Owasso Public Schools
Owasso Board of Education Regular Meeting
Independent School District No. 11
Tulsa County, Oklahoma

As required by Section 311, Title 25 of the Oklahoma Statutes, notice is hereby given that the Board of Education of Independent School District No. 11, Tulsa County, Oklahoma will hold Owasso Board of Education Regular Meeting on Monday, October 6, 2025, at 6:30 PM, Board of Education Conference Room of the Dale C. Johnson Education Service Center, 1501 N Ash St., Owasso, Oklahoma 74055
Meeting Link: https://youtube.com/live/w6ylBCKUBwI

I. **Call to Order and Roll Call**
II. **Special Recognition/Pledge of Allegiance** - Ms. Rylee Zaragoza, Madison Crawford and Noah Rowan
III. **Special Recognition** - Mr. Zach Duffield - Leslie Van Meter - Owasso Varsity Cheer
IV. **Reports to the Board**
    A. Superintendent - Dr. Margaret Coates
    B. Teaching and Learning - Mr. Mark Officer
    C. District Services - Mr. Kerwin Koerner
    D. Continuous Strategic Improvement (CSI) - Mr. Zach Duffield - Goal Area #3 Ram Community Culture
V. **Comments from the Public Regarding Agenda Items**
    Each individual will have five (5) minutes to share their remarks related to the specific agenda item identified by the individual when signing up to speak. The total time allotted to comments from the public regarding the agenda will not exceed fifteen (15) minutes.
VI. **Consent Agenda:** Board to consider and take possible action on the following consent agenda items. (Dr. Coates)
    A. Minutes of Regular Meeting September 8, 2025
    B. Minutes of Special Meeting September 22, 2025
    C. Teaching and Learning
        i. Out of State Student Activity Trips
        ii. Purchase Agreement with Solution Tree, Inc. for Julie Schmidt to present Professional Development for the 2025-2026 school year at a cost of $7,500.00, as outlined in the attachment and authorize the Superintendent or Purchase Agreement
    D. Finance
        i. Purchase orders (encumbrances) and changes to encumbrances for September 2025
        ii. Activity Financial Report for September 2025
    E. Human Resources
        i. Transitions
VII. **Communications/Superintendent** - Dr. Margaret Coates

A. Board to consider and take possible action on the 2026 School Board Election Resolution

VIII. **Teaching and Learning** - Mark Officer

A. Board to review Policy # 1.61 for first reading. Edits, changes, and additions to the policy are outlined in the attachment

IX. **District Services -** Kerwin Koerner

A. Board to review for first reading the Hazard Mitigation Plan for the City of Owasso, and Owasso Public Schools

B. Board to consider and take possible action on a contract with Nabholz Construction Corporation for construction management services for the Owasso 5th Grade Elementary Center at a cost of $62,500 for pre-construction work and a set fee of 3.5% of work after the Guaranteed Maximum Price (GMP) is set, as outlined in the attachment and authorize the Superintendent or designee to execute the contract

X. **Technology** - Dr. Michelle Baker

A. Board to consider and take possible action on the Owasso Public Schools Distance Learning Framework to be utilized as the virtual instructional plan if the need arises within the 2026-2027 school year

XI. **Finance** - Phillip Storm

A. Board to consider and take possible action on the Treasurer's Report for September 2025

B. Board to Consider and Take Possible Action on the Proposed Operating Budget for Fiscal Year 2025-2026

C. Board to consider and take possible action on the Contract with John Wawrzonek (Inspire Financial) for an advertising sponsorship for the 2025-2026 school year at a cost of $1,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement

XII. **New Business**

XIII. **Comments from the Public Regarding Non-Agenda Items**

Each individual will have five (5) minutes to share their remarks related to the specific non-agenda item received in writing by the board minutes clerk seven (7) days prior to the board meeting date. The total time allotted to comments from the public regarding non-agenda items will not exceed fifteen (15) minutes.

A. Mr. Doug Hall

XIV. **Vote to Adjourn**

This agenda was posted prior to 6:30 p.m. on Friday, October 3, 2025, at the entrance of the Board of Education Room, located in the Dale C. Johnson Education Service Center, Owasso Public Schools, 1501 N. Ash, Owasso, Oklahoma.

OWASSO PUBLIC SCHOOL BOARD OF EDUCATION

Renae Klein, Clerk

Owasso Board of Education Regular Meeting
Monday, September 8, 2025 6:30 PM Central

Board of Education Conference Room of the
Dale C. Johnson Education Service Center
1501 N Ash St.
Owasso, Oklahoma 74055

I. **Call to Order and Roll Call**
Attendance Taken at 6:30 PM.

Brent England:	Present
Neal Kessler:	Present
Rhonda Mills:	Absent
Stephanie Ruttman:	Present
Forrest Turpen:	Present

Present: 4, Absent: 1.

II. **Special Recognition/Pledge of Allegiance** - Mr. Nick Hughes, Cooper Kelly and Mateo Hernandez Burciaga

III. **Special Recognition -** Dr. Chris Barber - Shelly Collins, Mr. Kerwin Koerner - Jon Beckloff

IV. **Reports to the Board**

A. Superintendent - Dr. Margaret Coates Dr. Coates shared information regarding the upcoming student investment plan bond issue being voted on by the community this week.

B. Teaching and Learning - Mr. Mark Officer Mr. Officer reported on the new teacher PLC training held last week. There will be a Collaboration day on 10/13/25 and a Professional Development day on 10/14/25.

C. District Services - Mr. Kerwin Koerner Mr. Koerner shared we had a great start to the beginning of the school year. A few roofing projects are still in progress.

D. Continuous Strategic Improvement (CSI) - Goal Area #2 Ram Team, Mr. Phillip Storm Mr. Storm shared information regarding several action steps currently in place for recruiting and retaining employees, including conducting and attending job fairs within Oklahoma.

V. **Comments from the Public Regarding Agenda Items**
Each individual will have five (5) minutes to share their remarks related to the specific agenda item identified by the individual when signing up to speak. The total time allotted to comments from the public regarding the agenda will not exceed fifteen (15) minutes.
There were no comments from the public regarding agenda items.

VI. **Consent Agenda:** Board to consider and take possible action on the following consent agenda items. (Dr. Coates)
Motion to approve consent agenda items VI.A. through VI.E.i. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent

Stephanie Ruttman: Yea
Forrest Turpen: Yea
Yea: 4, Nay: 0, Absent: 1

A. Minutes of Regular Meeting August 11, 2025

B. Teaching and Learning

i. Out of State Student Activity Trips

ii. Memorandum of Understanding (MOU) with Rogers State University for on-site educational experiences for candidates in educator preparation programs for the 2025-2026 through the 2027-2028 school year at a cost of $-0-, as outlined in the attachment and authorize the Superintendent or designee to execute the MOU

iii. Contract with Oklahoma Department of Career and Technology Education for Secondary Career and Technology Education Program(s) for the 2025-2026 school year at a cost of $-0-, as outlined in the attachments and authorize the Superintendent or designee to execute the Contract

iv. Contract with Amira Learning for the Screener/Tutor for the 2025-2026 school year at a cost of $0, as outlined in the attachment and authorize the Superintendent or designee to execute the contract

v. Contract for Services with Lauren Lunsford dba Rainbowland Arts for teaching artist services for the 2025-2026 school year at a cost of $12,220.00, as outlined in the attachment and authorize the Superintendent or designee to execute the Contract for Services

vi. Contract with Pre-Employment Transition Services Coordination (Pre-ETS) for Transition Services for the 2025-2026 school year at no cost to the District, as outlined in the attachment and authorize the Superintendent or designee to execute the Contract

vii. Rental Agreement with Cain's Ballroom for the Owasso High School Prom on April 17, 2027, for the 2026-2027 school year at a cost of $9,000.00, as outlined in the attachment and authorize the Superintendent or designee to execute the rental agreement

viii. Contract with Incredible Pizza for the Owasso High School Grad Bash 2026 for the 2025-2026 school year at a cost of $35 per student for approximately 500 students, as outlined in the attachment and authorize the Superintendent or designee to execute the Contract

ix. Agreement with Casino Nights for Homecoming Dance Entertainment hosted by Student Council for the 2025-2026 school year at a cost of $2,505.00, as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement

x. Contract with DJ Connection for OHS School Dance for the 2025-2026 school year at a cost of $1,500.00 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract

xi. Memorandum of Understanding with Tulsa Technology Center for students earning high school academic and elective credits for the 2025-2026 school year at a cost of $-0-, as outlined in the attached signed Memorandum of Understanding dated June 20, 2022 by the

Owasso Public Schools Board President. This memorandum of understanding will continue from year to year until either party issues notice of the other of the intent to terminate the agreement or a party seeks to amend the agreement and the parties enter a new agreement

C. Technology

i. Current capacity numbers for transfer students

ii. Agreement with T-Mobile for T-Mobile Project 10Million for Hotspots for the 2025-2026 school year at a cost of $13,320.00, as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement

D. Finance

i. Purchase orders (encumbrances) and changes to encumbrances for August 2025
2025-2026 General Fund #481-651 (Vendors) $233,425.82
2025-2026 General Fund Net Change Orders $608.00
2025-2026 Building Fund #64-70 (Vendors) $100,126.21
2025-2026 Child Nutrition Fund #34-36 (Vendors) $133,298.06
2025-2026 Bond Fund 31 #205-250 (Vendors) $451,969.19
2025-2026 Bond Fund 31 Net Change Orders $8,675.00
2025-2026 Bond Fund 39 #5-6 (Vendors) $5,600.00

ii. Activity Financial Report for August 2025

iii. Activity Account Budgets

iv. Sanctioning Applications

E. Human Resources

i. Transitions

VII. **Communications/Superintendent** - Dr. Margaret Coates

A. Board to consider and take possible action on a Memorandum of Understanding with Owasso Education Association to add OTEP grant funding to extra-duty stipends for the roles listed in the attachment for the 2025-2026 School Year
Motion to approve a Memorandum of Understanding with Owasso Education Association to add OTEP grant funding to extra-duty stipends for the roles listed on the attachment for the 2025-2026 School Year. This motion, made by Forrest Turpen and seconded by Neal Kessler, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

VIII. **Teaching and Learning** -Mark Officer

A. 2023 College Remediation Report

B. 2024 Comprehensive Drop Out Reports - 7th Grade Center, 8th Grade Center and Owasso High School

C. Board to consider and take possible action on the proposed edits, changes, and additions to the 2025-2026 Elementary Student Handbook as outlined in the attachments
Motion to approve the proposed edits, changes and additions to the 2025-2026 Elementary Student handbook as outlined in the attachment. This motion, made by Neal Kessler and seconded by Forrest Turpen, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

IX. **Technology** - Dr. Michelle Baker

A. Board to consider and take possible action on the proposed edits, changes and additions to Policy #5.20 as outlined in the attachment
Motion to approve the proposed edits, changes and additions to Policy #5.20 as outlined in the attachment. This motion, made by Forrest Turpen and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

X. **Finance** - Phillip Storm

A. Board to consider and take possible action on the Treasurer's Report for August 2025
Motion to approve the Treasurer's Report for August 2025. This motion, made by Neal Kessler and seconded by Forrest Turpen, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

B. Board to Consider and Take Possible Action on 2025-2026 Estimate of Needs
Motion to approve the 2025-2026 Estimate of Needs. This motion, made by Brent England and seconded by Neal Kessler, passed.

Brent England:	Yea

Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

C. Board to consider and take possible action on the Contract with Pathway Church for an advertising sponsorship for the 2025-2026 school year at a donation of $400 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract
Motion to approve a Contract with Pathway Church for an advertising sponsorship for the 2025-2026 school year at a donation of $400 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

D. Board to consider and take possible action on the Contract with Bryan Smith-State Farm Agent for an advertising sponsorship for the 2025-2026 school year at a donation of $2,000 as outlined in the attachment and authorize the
Superintendent or designee to execute the Contract
Motion to approve a Conntract with Bryan Smith-State Farm Agent for an advertising sponsorship for the 2025-2026 school year at a donation of $2,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Forrest Turpen and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

E. Board to consider and take possible action on the Contract with Mowery Funeral Service for an advertising sponsorship for the 2025-2026 school year at a donation of $1,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract
Motion to approve a Contract with Mowery Funeral Service for an advertising sponsorship for the 2025-2026 school year at a donation of $1,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Forrest Turpen and seconded by Neal Kessler, passed.

Brent England:	Yea

Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

F. Board to consider and take possible action on the Contract with Restoration Chiropractic for an advertising sponsorship for the 2025-2026 school year at a donation of $2,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract
Motion to approve a Contract with Restoration Chiropractic for an advertising sponsorship for the 2025-2026 school year at a donation of $2,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

G. Board to consider and take possible action on a Contract with Bru for an advertising sponsorship for the 2025-2026 school year at a donation of $500 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract
Motion to approve Contract with Bru for an advertising sponsorship for the 2025-2026 school year at a donation of $500 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

H. Board to consider and take possible action on the Contract with Waldo's for an advertising sponsorship for the 2025-2026 school year at a cost of $5,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement
Motion to approve a Contract with Waldo's for an advertising sponsorship for the 2025-2026 school year at a cost of $5,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement. This motion, made by Forrest Turpen and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent

Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

I. Board to consider and take possible action on the Agreement with Trident Aquatics Swim Facility for the use of their pool for the 2025-2026 school year at a cost of $25,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract
Motion to approve an Agreement with Trident Aquatics Swim Facility for the use of their pool for the 2025-2026 school year at a cost of $25,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Contract. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

J. Board to consider and take possible action on the Contract with Zach and Kimberly King for an advertising sponsorship for the 2025-2026 school year at a cost of $5,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement
Motion to approve a contract with Zach and Kimberly King for an advertising sponsorship for the 2025-2026 school year at a cost of $5,000 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement. This motion, made by Neal Kessler and seconded by Brent England, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

K. Board to consider and take possible action on the Contract with First Church for an advertising sponsorship for the 2025-2026 school year at a cost of $800 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement
Motion to approve a Contract with First Church for an advertising sponsorship for the 2025-2026 school year at a cost of $800 as outlined in the attachment and authorize the Superintendent or designee to execute the Agreement. This motion, made by Brent England and seconded by Neal Kessler, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

XI. **New Business** There was no New Business.

XII. **Comments from the Public Regarding Non-Agenda Items**
Each individual will have five (5) minutes to share their remarks related to the specific non-agenda item received in writing by the board minutes clerk seven (7) days prior to the board meeting date. The total time allotted to comments from the public regarding non-agenda items will not exceed fifteen (15) minutes.

A. Mr. Doug Hall

B. Ms. Kylie Killion

XIII. **Vote to Adjourn**
Motion to adjourn at 7:48p.m. This motion, made by Neal Kessler and seconded by Forrest Turpen, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Absent
Stephanie Ruttman:	Yea
Forrest Turpen:	Yea

Yea: 4, Nay: 0, Absent: 1

Owasso Board of Education Special Meeting
Monday, September 22, 2025 12:00 PM Central

Board of Education Conference Room of the Dale C. Johnson Education Service Center
1501 N Ash St.
Owasso, Oklahoma 74055

I. **Call to Order and Roll Call**
Attendance Taken at 12:00 PM.

Brent England:	Present
Neal Kessler:	Present
Rhonda Mills:	Present
Stephanie Ruttman:	Present
Forrest Turpen:	Absent

Present: 4, Absent: 1.

II. Board to consider and take possible action on a resolution determining the maturities of, and setting a date, time and place for the sale of the$7,400,000 General Obligation Building Bonds of the School District
Motion to approve a resolution determining the maturities of, and setting a date, time and place for the sale of the$7,400,000 General Obligation Building Bonds of the School District. This motion, made by Brent England and seconded by Rhonda Mills, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Yea
Stephanie Ruttman:	Yea
Forrest Turpen:	Absent

Yea: 4, Nay: 0, Absent: 1

III. Consider and Approve an Agreement for Bond Counsel Services with Hilborne and Weidman
Motion to approve an Agreement for Bond Counsel Services with Hilborne and Weidman. This motion, made by Brent England and seconded by Neal Kessler, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Yea
Stephanie Ruttman:	Yea
Forrest Turpen:	Absent

Yea: 4, Nay: 0, Absent: 1

IV. Discussion and Possible Action to Approve a Resolution Authorizing a Local Development Act Tax Incentive Agreement related to Project Clydesdale, a multi-phased data center development in Tulsa County, between the Board of County Commissioners of Tulsa County, Oklahoma, the Board of Education of Independent School District No. I-11 of Tulsa County, Oklahoma, the Board of Education of the Tulsa Technology Center, the Board of Commissioners

of the Tulsa City-County Library System, the Board of Regents of Tulsa Community College, the Board of the Tulsa City-County Health Department, and Quartz Mountain Properties LLC
Motion to approve a Resolution Authorizing a Local Development Act Tax Incentive Agreement related to Project Clydesdale, a multi-phased data center development in Tulsa County, between the Board of County Commissioners of Tulsa County, Oklahoma, the Board of Education of Independent School District No. I-11 of Tulsa County, Oklahoma, the Board of Education of the Tulsa Technology Center, the Board of Commissioners of the Tulsa City-County Library System, the Board of Regents of Tulsa Community College, the Board of the Tulsa City-County Health Department, and Quartz Mountain Properties LLC. This motion, made by Neal Kessler and seconded by Rhonda Mills, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Yea
Stephanie Ruttman:	Yea
Forrest Turpen:	Absent

Yea: 4, Nay: 0, Absent: 1

V. Board to consider and take possible action on a Transitions Report
Motion to approve the transitions report. This motion, made by Neal Kessler and seconded by Rhonda Mills, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Yea
Stephanie Ruttman:	Yea
Forrest Turpen:	Absent

Yea: 4, Nay: 0, Absent: 1

VI. **Vote to Adjourn**
Motion to adjourn at 12:27p.m. This motion, made by Rhonda Mills and seconded by Neal Kessler, passed.

Brent England:	Yea
Neal Kessler:	Yea
Rhonda Mills:	Yea
Stephanie Ruttman:	Yea
Forrest Turpen:	Absent

Yea: 4, Nay: 0, Absent: 1

MINUTES AND RESOLUTION AUTHORIZING SALE OF BONDS

The Board of Education of Independent School District Number 11 of Tulsa County, Oklahoma, met in Special Session at the Conference Room, Dale C. Johnson Education Service Center, Owasso Public Schools, 1501 North Ash, Owasso, Oklahoma, in said School District on the 22nd day of September, 2025, at 12:00 o'clock p.m.

PRESENT: STEPHANIE RUTTMAN, President; RHONDA MILLS, Vice President; NEAL KESSLER, Clerk and Member; BRENT ENGLAND, Member

ABSENT: FORREST J. TURPEN, Member

Notice of this special meeting was given in writing to the County Clerk of Tulsa County, Oklahoma at 2:22 o'clock p.m. on the 11th day of September, 2025, forty-eight (48) hours or more prior to this meeting, and public notice of this meeting, setting forth the date, time, place and agenda was posted at the entrance of the Board of Education Room located in the Dale C. Johnson Education Service Center, in prominent view and open to the public twenty-four (24) hours each day, seven (7) days each week at 11:00 o'clock a.m. on the 19th day of September, 2025, being twenty-four (24) hours or more prior to this meeting, excluding Saturdays, Sundays, and State designated legal holidays, all in compliance with the Oklahoma Open Meeting Act (as attached hereto).

(OTHER PROCEEDINGS)

Thereupon **RUTTMAN** introduced a Resolution which was read in full by the Clerk and upon motion by **ENGLAND**, seconded by **MILLS**, was adopted by the following vote:

AYE: RUTTMAN, MILLS, KESSLER, ENGLAND

NAY: None

Said Resolution was thereupon signed by the President, attested by the Clerk, sealed with the seal of said School District, and is as follows:

RESOLUTION

A resolution fixing the amount of bonds to mature each year, fixing the time and place the bonds are to be sold, and authorizing the clerk to give notice of said sale as required by law.

WHEREAS, the issuance of $169,180,000 of General Obligation Building Bonds by Independent School District Number 11 of Tulsa County, Oklahoma, has been duly authorized at an election held on the 9th day of September, 2025, for that purpose; and

WHEREAS, the Board of Education of Independent School District Number 11 of Tulsa County, Oklahoma, having determined at the time that the election was called to authorize the $169,180,000 of General Obligation Building Bonds, that it would issue the bonds in separate series, with the first series of $7,400,000 to be issued immediately;

Now, therefore, be it resolved by the Board of Education of Independent School District Number 11 of Tulsa County, Oklahoma:

SECTION 1.

That the $7,400,000 of General Obligation Building Bonds of Independent School District Number 11 of Tulsa County, Oklahoma, voted on the 9th day of September, 2025, shall be offered for sale at the Conference Room, Dale C. Johnson Education Service Center, Owasso Public Schools, 1501 North Ash, Owasso, Oklahoma, on the 22nd day of October, 2025, at 11:30 o'clock a.m.; said Bonds to become due:

$50,000 in two years from their date, and $3,675,000 annually each year thereafter until paid.

SECTION 2.

That the Clerk of the Board of Education is hereby ordered and directed to cause notice of the sale of said Bonds to be given as required by law.

ADOPTED this 22nd day of September, 2025.

President, Board of Education

ATTEST:

Clerk, Board of Education

(SCHOOL DISTRICT SEAL)



October 6, 2025 Overnight/Out of State Student Activity Requests

- **November 1-3, 2025 - Student Council State Convention - OHS Student Council - Ponca City, OK**
- **November 27-29, 2025 - Hoopfest - OHS Boys Basketball - Duncanville, TX**
- **December 17-19, 2025 - Kansas City Stampede - OHS Girls Wrestling - Kansas City, MO**

Docusign Envelope ID: 4E33F95F-EC58-4120-AB56-9D5C3C32AD67

Solution Tree, Inc.
Purchase Agreement

Effective September 16, 2025, Solution Tree, Inc. ("Solution Tree") located at 555 N. Morton St., Bloomington, IN 47404 and Owasso Public Schools ("Customer") located at 1501 N. Ash St., Owasso, OK 74055 agree as follows:

1. **Summary of Products and Services:** Customer will purchase the following Solution Tree products and services ("Products"). Additional Products may be added in a mutually agreed upon written Addendum.

Products and Services	Total
Onsite Professional Development	$7,500.00
Total	$7,500.00

2. **Payment Terms:** Customer will provide Solution Tree with a purchase order made out to Solution Tree, 555 N. Morton St., Bloomington, IN 47404, for the full amount due under this Agreement upon execution of this Agreement (the "Purchase Order Due Date"). A non-refundable deposit of 20% of the total amount due will be invoiced upon execution of this Agreement. The total includes any travel, lodging, and incidental expenses incurred by Solution Tree. All payments are due net 30 days from the actual date of invoice. All past due invoices are subject to a finance charge of 1.5% monthly. Solution Tree will invoice Customer off of the purchase order based on the following schedule:

Description	Payment	Expected Invoice Date
20% Deposit (non-refundable)	$1,500.00	Upon execution of Agreement
Onsite Professional Development	$6,000.00	October 13, 2025

3. **Onsite Professional Development**

   3.1. Description of Services: Solution Tree agrees to provide a speaker, Julie Schmidt ("Associate"), to disseminate information for Customer on the topic of *PLC at Work®* on October 13, 2025.

   3.2. Presentation Materials: Customer will reproduce any handouts and other print materials related to the services and will notify the Associate directly of any deadlines for reproduction.

   3.3. Venue and Audio/Visual Equipment: Customer will provide a venue, audio/video equipment, and technical support for all sessions.

Docusign Envelope ID: 4E33F95F-EC58-4120-AB56-9D5C3C32AD67

4. General Terms

4.1. Intellectual Property: Customer acknowledges that Solution Tree or Associate owns the copyrights to all tangible or electronic presentation materials, handouts, and/or program books used in conjunction with services performed under this Agreement and that no materials will be developed specifically for Customer. Solution Tree will retain all copyrights owned prior to entering this Agreement, and Customer may not reproduce any materials not designated reproducible without the express written permission of Solution Tree. All audio, video, and digital recording of the services by Customer is prohibited.

4.2. Force Majeure: If an event beyond the parties' control makes performance impossible, illegal, or commercially impracticable (a "Force Majeure Event"), the parties will proceed as follows:

- **a.** If a Force Majeure Event prevents services from occurring onsite, the parties will arrange for the affected services to be delivered virtually on the scheduled dates.
- **b.** If a Force Majeure Event prevents services from occurring as scheduled, the parties will use best efforts to reschedule or make substitutions for affected services or products.
- **c.** If a Force Majeure Event prevents performance entirely, neither party will have any further liability to the other party for the prevented performance.
- **d.** All obligations unaffected by a Force Majeure Event will remain in place.

4.3. Termination: Solution Tree may terminate this Agreement if Solution Tree has not received a purchase order by the Purchase Order Due Date.

- **a. Onsite Professional Development:** If Customer cancels any Onsite Professional Development Services within 90 days of the scheduled date for any reason but Force Majeure, Customer will reimburse Solution Tree for any reasonable business expenses incurred in anticipation of performance of this Agreement that exceed the amount of the deposit. If events beyond the parties' control make performance on the scheduled dates impossible, the parties will use best efforts to reschedule the Onsite Professional Development Services.

4.4. Entire Agreement: This Agreement and any exhibits attached hereto constitute the entire agreement of the parties and supersede any prior or contemporaneous written or oral understanding or agreement. No waiver or modification of any of the terms of the Agreement will be effective unless made in writing and signed by both parties, and the unenforceability, invalidity, or illegality of any provision of this Agreement will not render the other provisions unenforceable, invalid, or illegal. Any waiver by either party of any default or breach hereunder will not constitute a waiver of any provision of this Agreement or of any subsequent default or breach of the same or a different kind.

Docusign Envelope ID: 4E33F95F-EC58-4120-AB56-9D5C3C32AD67

This Agreement is acknowledged and accepted by Customer and Solution Tree:

	Date

Owasso Public Schools Board of Education

DocuSigned by: Ali Cummins AC5A6CA77B4C485...	9/16/2025
Ali Cummins	Date

Sr. Director of PD Operations

Solution Tree, Inc.

CERTIFICATE OF APPROVAL

October 6, 2025

Purchase Orders to be approved by the Board of Education:

2025-2026 General Fund

		P.O. Nos.	
VENDORS		652-839	179,717.45
VENDORS	Change Orders		27,487.10
			$ 207,204.55

2025-2026 Building Fund

		P.O. Nos.	
VENDORS		71-78	187,293.00
VENDORS	Change Orders		0.00
			$ 187,293.00

2025-2026 Child Nutrition Fund

		P.O. Nos.	
VENDORS		37-39	28,570.95
VENDORS	Change Orders		0.00
			$ 28,570.95

2025-2026 Bond Fund 31

		P.O. Nos	
VENDORS		251-270	433,733.71
VENDORS	Change Orders		0.00
			$ 433,733.71

2025-2026 Bond Fund 33

		P.O. Nos	
VENDORS			0.00
VENDORS	Change Orders		0.00
			$ -

2025-2026 Bond Fund 35

		P.O. Nos.	
VENDORS		2	17,865.00
VENDORS	Change Orders		0.00
			$ 17,865.00

2025-2026 Bond Fund 39

		P.O. Nos.	
VENDORS			0.00
VENDORS	Change Orders		0.00
			$ -

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
652	09/05/2025	20214	MAGNOLIA STL LLC	Hotel AASL National Conference Oct 16-19, 2025	2,772.27
653	09/05/2025	15921	JAMIE FLEMING	Per Diem Reimbursement - AASL Conference	210.00
654	09/05/2025	15102	ANGELA GREENLEE	Per Diem Reimbursement - AASL Conference	210.00
655	09/05/2025	87845	JESSICA BRIANNA RAMSEY	Per Diem Reimbursement - AASL Conference	210.00
656	09/05/2025	86708	MICHELLE CLAIRE FARABOUGH	Per Diem Reimbursement - AASL Conference	210.00
657	09/05/2025	18152	CHASE/STAFF TRAVEL EXPENSES	Parking/Gas - AASL Conf. - Oct 16-19 St Louis MO	420.00
658	09/05/2025	20210	AMERICAN LIBRARY ASSOCIATION	Registration-AASL Conference Oct 16-18, 2025	2,140.00
659	09/05/2025	3521	OAAC, INC.	Academic Bowl Teams registration	160.00
660	09/05/2025	20211	COUNSELING & RECOVERY SVCS OF OK	Prof Development for counselor	50.00
661	09/05/2025	20211	COUNSELING & RECOVERY SVCS OF OK	TRAINING FOR COUNSELOR - ETHICS OF SCHOOL BASED	50.00
662	09/05/2025	11351	AMAZON	Supplies for students at Stone Canyon	125.00
663	09/05/2025	276	WALMART #168	Classroom Supplies for Sarah Wingard's Room	100.00
664	09/05/2025	19908	THE MANDT SYSTEM, INC	Mandt Train The Trainer Oct 6-9	2,995.00
665	09/05/2025	19908	THE MANDT SYSTEM, INC	Mandt Shield and Pads for Sites	5,191.32
666	09/05/2025	14855	GORDAN N STOWE AND ASSOCIATES	Replacement parts for Audiometer at Hodson	95.00
667	09/05/2025	14079	PLANBOOKEDU LLC	Subscription Renewal	888.00
668	09/05/2025	4999	OFFICE DEPOT	Classroom Supplies - Blanket PO	600.00
669	09/05/2025	11709	WESTCO LAMINATOR SERVICE	Lamintor	1,500.00
670	09/05/2025	11351	AMAZON	Office Supplies	150.00
671	09/05/2025	17106	GENERATION GENIUS, INC.	Renew Subscriptions	435.00
672	09/05/2025	4999	OFFICE DEPOT	OPEN: Office supplies	250.00
673	09/05/2025	11351	AMAZON	King - Props/Makeup/Costumes	2,000.00
674	09/05/2025	11351	AMAZON	King - Props/Makeup/Costumes	1,000.00
675	09/05/2025	18996	LITERACY RESOURCES, LLC	Daily Phonological Instruction Book	100.00
676	09/05/2025	20207	HIGHWAY MAN SIGNS LLC	Wall Wrap Lettering for Bailey	300.00
677	09/05/2025	11351	AMAZON	Basketball nets for the playground	50.00
678	09/05/2025	11351	AMAZON	headphone bags/step stool	100.00
679	09/05/2025	19384	QUALITY CPR LLC	CPR/AED certification course for principal	15.00
680	09/09/2025	11771	SUPERNAW'S	Instructional Classroom Supplies	100.00
681	09/09/2025	9608	HOBBY LOBBY #25	Paper	150.00
682	09/09/2025	7203	OFFICE DEPOT	Tech Supplies	150.00
683	09/09/2025	16011	CRYSTAL HANNA	Clay Presentation - 9/9/2025	200.00
684	09/09/2025	276	WALMART #168	Instructional Classroom Supplies	150.00
685	09/09/2025	7203	OFFICE DEPOT	Office Supplies	100.00
686	09/09/2025	5545	CONTINENTAL PRESS	EL Curriculum Materials	0.00

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
687	09/09/2025	11351	AMAZON	Refurbished Classroom Phones	1,000.00
688	09/09/2025	10180	BEST BUY #1401	Tech Supplies	2,500.00
689	09/09/2025	13170	KATHY SAMPLEY	Cherokee Language & Culture Instruction	2,000.00
690	09/09/2025	11443	WENDY STOKES	Cherokee Language & Culture Instruction	2,000.00
691	09/09/2025	166	QUILL CORPORATION	WALSH/COUNSELING OFFICE SUPPLIES	600.00
692	09/09/2025	166	QUILL CORPORATION	WALSH/COUNSELING OFFICE SUPPLIES. REQUEST 2	375.00
693	09/09/2025	13989	TEACHERS SYNERGY LLC	JAMES/TEACHING AND CLASSROOM RESOURCES	288.80
694	09/09/2025	19894	OKLAHOMA TECHNOLOGY STUDENT ASSOC	FRY/TECHNOLOGY STUDENT ASSOC ANNUAL MEMBERSHIP	500.00
695	09/09/2025	3211	PITSCO EDUCATION LLC	FRY/FIRST TECH CHALLENGE ANNUAL REGISTRATION	325.00
696	09/09/2025	18310	ESTES INDUSTRIES	FRY/ROCKET ENGINE BULK PACKS	450.00
697	09/09/2025	166	QUILL CORPORATION	MAIN OFFICE/OPEN PO/GENERAL OFFICE SUPPLIES	1,000.00
698	09/09/2025	13327	STAPLES INC	MAIN OFFICE/OPEN PO/GENERAL OFFICE SUPPLIES.	350.00
699	09/09/2025	4999	OFFICE DEPOT	MAIN OFFICE/OPEN PO/GENERAL OFFICE SUPPLIES.	350.00
700	09/09/2025	10483	SAM'S CLUB	Membership for Sam's Club	50.00
701	09/09/2025	2578	SOUTHWEST TULSA TROPHY	Teacher of the Year Plaque	150.00
702	09/09/2025	11351	AMAZON	PETTY/HANGING DECOR	115.00
703	09/09/2025	11351	AMAZON	K Classr & STEM supp / Off of the Principal supp	470.00
704	09/09/2025	445	THE PROPHET CORPORATION	latex free pool noodles for student	175.00
705	09/09/2025	20204	CHARLES SZASZ	School Psychological Report Writer	450.00
706	09/09/2025	7809	LEAH SCHUSTER	Per Diem for 2025 Oklahoma Autism Conf 10/2-10/3	82.50
707	09/09/2025	20229	OREGON OWL PELLETS	2nd Grade Owl Pellets	164.20
708	09/09/2025	13825	OKLAHOMA SCIENCE AND	Robotics Competition Registrations	700.00
709	09/09/2025	17164	JAMES GREGORY BILBY	Stickball Presentations - 9/29/2025	300.00
710	09/09/2025	17164	JAMES GREGORY BILBY	Stickball Presentations - 10/2/2025	300.00
711	09/09/2025	276	WALMART #168	Instructional Classroom and Tech Supplies	425.00
712	09/09/2025	19707	PATRICIA Y LAUGHLIN	Beading Presentation - 9/12/2025	200.00
713	09/11/2025	20166	DEPT OF HEALTH AND HUMAN SERVICES	WAIVER CERTIFICATE FEE	248.00
714	09/11/2025	11351	AMAZON	4th Grade Science Supplies	66.86
715	09/11/2025	276	WALMART #168	4th Grade Science Supplies	100.00
716	09/11/2025	9537	OSU EXTENSION-TULSA COUNTY	3rd Grade Master Gardener/Exploring Insect	200.00
717	09/11/2025	18354	SCHOOL SPECIALTY LLC	Paper for art closet	569.82

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
718	09/11/2025	10501	TULSA TECHNOLOGY CENTER	Reservation for Tulsa Tech Post Oak Room	1,346.87
719	09/11/2025	11351	AMAZON	Ator Family Engagement	79.93
720	09/11/2025	16522	JOYLABZ LLC	STEM Classroom Set	712.26
721	09/11/2025	5538	TSA	National and State Membership Fees and Advisor Fee	500.00
722	09/11/2025	12696	OKACTE	Conference Dues and Registration Fees	315.00
723	09/11/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	OKSTE 2025 Convention Registration 11/5/25-11/6/25	175.00
724	09/11/2025	11351	AMAZON	Office supplies-push pins, lanyards, etc.	300.00
725	09/12/2025	1626	UNITED SUBURBAN SCHOOLS ASSOC.	Annual Membership	1,650.00
726	09/15/2025	10483	SAM'S CLUB	Phonics Awareness - Kdg and primary curr 9/30	75.00
727	09/15/2025	10483	SAM'S CLUB	Give a Moose a Muffin Phonics lesson 10/2	200.00
728	09/15/2025	276	WALMART #168	Phonics Awareness - Kdg Letter "A" apples	125.00
729	09/15/2025	11351	AMAZON	Apples Lesson	100.00
730	09/15/2025	11351	AMAZON	Brackets for storage/edge protector for AED box	75.00
731	09/15/2025	276	WALMART #168	Whitches Brew Lesson	100.00
732	09/15/2025	11351	AMAZON	items for October lessons	100.00
733	09/15/2025	1687	ORIENTAL TRADING CO., INC.	items for skeletal Math Graphing	50.00
734	09/15/2025	276	WALMART #168	Items for 1st grade prog 10/24	50.00
735	09/15/2025	11351	AMAZON	basket ball nets and replacment hoop	75.00
736	09/15/2025	10440	SOLUTION TREE	Professional Development - October 13, 2025	7,500.00
737	09/15/2025	13935	FIRST ROBOTICS	25-26 Team First Lego League Registration	975.90
738	09/15/2025	13825	OKLAHOMA SCIENCE AND	Robotics Competition Registrations	70.00
739	09/15/2025	11351	AMAZON	Cultural Craft Supplies	200.00
740	09/15/2025	5545	CONTINENTAL PRESS	Curriculum Materials - 7GC	876.85
741	09/15/2025	10483	SAM'S CLUB	JOM After School Snack Incentive	250.00
742	09/15/2025	19707	PATRICIA Y LAUGHLIN	Staff Training - Beading - 9/19/2025	250.00
743	09/15/2025	9608	HOBBY LOBBY #25	Cultural Craft Supplies	150.00
744	09/15/2025	11351	AMAZON	photography supplies for yearbook class	120.00
745	09/15/2025	276	WALMART #168	Supplies for Students at 7GC	150.00
746	09/15/2025	11351	AMAZON	Supplies for Classrooms at Stone Canyon	235.00
747	09/15/2025	11351	AMAZON	Supplies for Classrooms at Morrow Elementary	250.00
748	09/15/2025	276	WALMART #168	Supplies and Materials for Students at High School	300.00

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
749	09/15/2025	16317	UNITED RENTALS	Blanket PO for Rental Equipment	8,000.00
750	09/15/2025	19231	CHRISTIAN RANGEL	Native American Group Dance - 9/18/2025	300.00
751	09/15/2025	10167	LAURIE HALL	Gorham - Marching Music Tech	4,000.00
752	09/15/2025	18441	David M. Hall	Band - Marching Percussion Tech	1,500.00
753	09/17/2025	12178	OAEA	Bratcher - OAEA Memberships	200.00
754	09/17/2025	19553	ZBARBERDESIGNS LLC	Gorham - OPEN PO - Color Guard Design	10,500.00
755	09/17/2025	13016	RICHARD HINSHAW	Gorham - Visual Design/Drill	5,000.00
756	09/17/2025	19261	PAGEANTRY SOLUTIONS, LLC	Gorham - OPEN PO - Marching Sound Design	5,000.00
757	09/17/2025	16304	DEREK DEPAUL HIGHFIELD	Gorham - Color Guard Tech	5,000.00
758	09/17/2025	7785	KIMBERLY ANN VENTO	Gorham - Color Guard Consult	6,000.00
759	09/17/2025	19397	ISABELLA ROSE ZAFAR	Gorham - Winter Guard Tech	2,000.00
760	09/17/2025	11351	AMAZON	Baptist Children's Home Supplies	2,581.21
761	09/17/2025	11351	AMAZON	KANNETT/ENGLISH CLASS STUDENT WRITING NOTEBOOKS	425.00
762	09/17/2025	12033	APPLE EDUCATION STORE	Apps for Speech Paths	16.94
763	09/19/2025	20163	JEREMIAH TIEWS	Paper Cutter Sharpening	75.00
764	09/19/2025	15689	REALLY GREAT READING	HD Word Online Subscription	99.00
765	09/19/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	OKSTE 2025 EdTech Conference Registration Fees	525.00
766	09/19/2025	11351	AMAZON	Step stool with handles for student to reach	125.00
767	09/19/2025	11351	AMAZON	Files folders and tape gun	75.00
768	09/19/2025	1432	OSSBA	Title IX Training	200.00
769	09/19/2025	11351	AMAZON	Office supplies	70.00
770	09/19/2025	11351	AMAZON	Classroom supplies for ART	900.00
771	09/19/2025	9608	HOBBY LOBBY #25	Lounge Decor	300.00
772	09/19/2025	276	WALMART #168	Decor and Paper Goods for Teacher's Lounge	200.00
773	09/19/2025	276	WALMART #168	1st Quarter Science Supplies	254.00
774	09/19/2025	11351	AMAZON	Chairs for Front Office & AP Office	600.00
775	09/19/2025	11351	AMAZON	FIREPROOF SAFE FOR FILE ROOM	155.00
776	09/19/2025	14367	CORNERSTONE HARDWARE	Blanket PO for Hardware Supplies	1,000.00
777	09/22/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	REJOICE-OKSTE Conference Registration	2,000.00
778	09/23/2025	17498	T-MOBILE USA INC	Hotspot Data Services	13,320.00
779	09/23/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	OKSTE Registration Fee - Nov 5-6, 2025	1,225.00
780	09/24/2025	276	WALMART #168	JOM Meeting Refreshments/Food	40.00
781	09/24/2025	10483	SAM'S CLUB	Food/Food Service Supplies	100.00
782	09/24/2025	16168	FIRE MOUNTAIN GEMS & BEADS INC	Cultural Craft Supplies	750.00
783	09/24/2025	5545	CONTINENTAL PRESS	Curriculum Materials - 7GC	266.00
784	09/24/2025	11351	AMAZON	Paper	125.00
785	09/24/2025	17037	OWASSO CHARACTER COUNCIL	DOTSON/OWASSO CHARACTER COUNCIL PD LUNCHEON	40.00

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
786	09/24/2025	5414	FAMILY, CAREER & COMMUNITY	LEANDER/FCCLA ADVISOR MEMBERSHIP	24.00
787	09/24/2025	4751	BIO CORPORATION	ROBISON/SCIENCE CLASS SUPPLIES	1,000.00
788	09/24/2025	7704	CAROLINA BIOLOGICAL SUPPLY CO	ROBISON/SCIENCE CLASS SUPPLIES	600.00
789	09/24/2025	14065	OUTBACK LABORATORIES	DAVID/LIVESTOCK EQUIPMENT	8,000.00
790	09/24/2025	11351	AMAZON	ROBERTS/DESK ORGANIZER MONITOR STAND	25.00
791	09/24/2025	11351	AMAZON	NURSE BOLING/MONITOR PRIVACY SCREENS	95.98
792	09/24/2025	1759	MCPHERRIN ENTERPRISES CO	Hodson school flags	251.40
793	09/24/2025	11351	AMAZON	Flagpole for cafetorium	77.99
794	09/24/2025	11351	AMAZON	STEM activities for classrooms	920.47
795	09/24/2025	276	WALMART #168	Blanket PO - FACS, food for class labs	500.00
796	09/24/2025	3144	HOME DEPOT	STEM & Innovation hour class supplies	1,406.29
797	09/24/2025	11351	AMAZON	HEADPHONES FOR AMIRA AND BAGS	730.00
798	09/24/2025	5486	CDW GOVERNMENT, INC	Supplies for Classroom Stone Canyon	66.13
799	09/24/2025	11351	AMAZON	Classroom supplies for DRAMA	330.00
800	09/24/2025	6813	AASA REGISTRATION/EXPOEXCHANGE	AASA National Conference On Education Registration	3,000.00
801	09/24/2025	18825	SOONER EMERGENCY SERVICE INC	oil disposal	3,500.00
802	09/24/2025	20193	REPUTATION SERVICES & MFG LLC	Auto glass replacement/repair	10,000.00
803	09/24/2025	15689	REALLY GREAT READING	Kindergarten Countdown Wall Cards	241.92
804	09/26/2025	12178	OAEA	Bratcher - Conference Registration	290.00
805	09/26/2025	19568	REESE TRAILER REPAIR INC	Barber - OPEN PO - Trailer Repairs	1,000.00
806	09/26/2025	17505	ARTSOK INC	Bratcher - Teacher PD	300.00
807	09/29/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	OKSTE Conference Registration	1,925.00
808	09/29/2025	11482	CARDSDIRECT LLC	Printed Sympathy Cards for District Use	250.00
809	09/29/2025	11351	AMAZON	Paints for PreK for art in the classroom	175.00
810	09/29/2025	10483	SAM'S CLUB	Television Display for Conference Room	600.00
811	09/29/2025	5732	SAM'S CLUB	Mount for Conf Room TV	75.00
812	09/30/2025	9404	PROMOZ SCREEN PRINTING INC.	Uniforms for District Services	3,498.00
813	09/30/2025	84965	ASHLEY D HEARN	Parking Reimbursement OKSTE Conference	20.00
814	09/30/2025	83372	SARAH D VANN	Parking Reimbursement OKSTE Conference	20.00
815	09/30/2025	6886	LESLIE J. WRIGHT	Parking Reimbursement OKSTE Conference	20.00
816	09/30/2025	86909	NAOMI ANN WOLFE JAYNES	Parking Reimbursement OKSTE Conference	20.00

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 11 - GENERAL, Date Range: 9/4/2025 - 10/2/2025, PO Range: 652 - 839

PO No	Date	Vendor No	Vendor	Description	Amount
817	09/30/2025	12374	RYAN COOPER	Parking Reimbursement OKSTE Conference	20.00
818	09/30/2025	10468	ELIZABETH REED	Parking Reimbursement OKSTE Conference	20.00
819	09/30/2025	86383	MITCHELL JAMES HAUN	Parking Reimbursement OKSTE Conference	20.00
820	09/30/2025	88116	ALLISON RAEANNE TERRY	Parking Reimbursement OKSTE Conference	20.00
821	09/30/2025	87556	AUSTIN STEELE HIGGS	Parking Reimbursement OKSTE Conference	20.00
822	09/30/2025	86177	CHRISTOPHER W ALLEN	Parking Reimbursement OKSTE Conference	20.00
823	10/02/2025	11351	AMAZON	LEANDER/CLASS BOOK	75.00
824	10/02/2025	276	WALMART #168	HALL/HANGERS, BAGS, WAGON	150.00
825	10/02/2025	11613	OK SOCIETY FOR TECHNOLOGY IN EDU	BAKER/OKSTE EDTECH CONFERENCE	175.00
826	10/02/2025	276	WALMART #168	SMITH/OPEN PO/PERISHABLES	500.00
827	10/02/2025	11351	AMAZON	VRSKA/NOISE CANCELING HEADPHONES FOR 504 STUDENT	25.00
828	10/02/2025	11351	AMAZON	FRY/GLUE STICKS, MOUSE PADS, DONGLES, RC PLANES...	882.65
829	10/02/2025	11351	AMAZON	SMITH/OFFICE & CLEANING SUPPLIES, PAPER GOODS,	500.00
830	10/02/2025	11351	AMAZON	light covers, chair bands and replacement clips	100.00
831	10/02/2025	11351	AMAZON	Farm Puppets for Music	50.00
832	10/02/2025	445	THE PROPHET CORPORATION	Training Volleyball for PE	100.00
833	10/02/2025	19384	QUALITY CPR LLC	Online CPR Training for Principal & Counselor	29.90
834	10/02/2025	10116	OTICON	Wireless remote mirophone system	1,259.99
835	10/02/2025	4987	KAGAN PUBLISHING INC	REJOICE Kagan Registration	2,988.00
836	10/02/2025	20250	PLAUD INC	Plaud Note and AI Annual Pro Plan	1,200.00
837	10/02/2025	17302	ASBO INTERNATIONAL	CONFERENCE REGISTRATION - P STORM	1,049.00
838	10/02/2025	86393	PHILLIP S STORM	PER DIEM - ASBO INT'L 10/20-24	270.00
839	10/02/2025	18152	CHASE/STAFF TRAVEL EXPENSES	HOTEL-ASBO INTERN'L P. STORM	1,275.00
				Non-Payroll Total:	**$179,717.45**
				Payroll Total:	**$0.00**
				Report Total:	**$179,717.45**

Owasso Public Schools

Change Order Listing

Options: Fund(s): 11 - GENERAL, Year: 2025-2026, ReferenceDate: PO Date, Date Range: 9/4/2025 - 10/2/2025, PO Range: 1 - 651, Minimum Percentage Change: 20.00%, Include Negative Changes: False

PO No	Date	Vendor No	Vendor	Description	Amount
36	07/01/2025	14920	OKLAHOMA SCHOOLS INSURANCE GROUP	Auto/Bus Liability Insurance Deductible	15,522.52
48	07/01/2025	18825	SOONER EMERGENCY SERVICE INC	Oil Disposal	1,675.00
167	07/01/2025	2300	TULSA COUNTY ELECTION BOARD	ELECTION SERVICES	10,289.58

Non-Payroll Total:	**$27,487.10**
Payroll Total:	**$0.00**
Report Total:	**$27,487.10**

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 21 - BUILDING, Date Range: 9/4/2025 - 10/2/2025, PO Range: 71 - 78

PO No	Date	Vendor No	Vendor	Description	Amount
71	09/09/2025	15842	HD SUPPLY FACILITIES MAINTENANCE	Blanket PO for Paper Towels/Toilet Paper	95,014.00
72	09/09/2025	15842	HD SUPPLY FACILITIES MAINTENANCE	Blanket PO for District Wide Handwash Soap	25,844.00
73	09/09/2025	7009	TRANE	Blanket PO for District Wide HVAC Parts / Repairs	15,000.00
74	09/09/2025	19928	ALL-PRO PLUMBING LLC	Blanket PO District Emergency Plumbing Repairs	20,000.00
75	09/19/2025	19928	ALL-PRO PLUMBING LLC	Hodson Downspouts	9,935.00
76	09/19/2025	19928	ALL-PRO PLUMBING LLC	RAM Academy Underground Storm	7,500.00
77	09/24/2025	15933	NORTHWEST CRANE SERVICE	Crane Services District Wide	9,000.00
78	10/02/2025	16490	MCCOLLOUGH ENTERPRISES, INC	Blanket PO for District Wide Leak Discovery	5,000.00

Non-Payroll Total:	**$187,293.00**
Payroll Total:	**$0.00**
Report Total:	**$187,293.00**

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 22 - CHILD NUTRITION, Date Range: 9/4/2025 - 10/2/2025, PO Range: 37 - 39

PO No	Date	Vendor No	Vendor	Description	Amount
37	09/15/2025	20219	VRTKL INC	Hydroponic Garden	7,000.00
38	09/19/2025	20230	VENDNOVATION LLC	Vending Machine Software License	900.00
39	10/01/2025	19535	OSWALT EQUIPMENT COMPANY	Stone Canyon Steamer	20,670.95

Non-Payroll Total:	**$28,570.95**
Payroll Total:	**$0.00**
Report Total:	**$28,570.95**

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 31 BOND - 2022, Date Range: 9/4/2025 - 10/2/2025, PO Range: 251 - 270

PO No	Date	Vendor No	Vendor	Description	Amount
251	09/04/2025	18941	Library Journals, LLC	Library Journal Subscription District Wide	509.60
252	09/05/2025	247	BOUND TO STAY BOUND BOOKS	Books for Media Center	1,600.00
253	09/05/2025	2514	PERMA-BOUND	Books for Media Center	1,800.00
254	09/05/2025	336	BSN SPORTS	BOND 31: G.WR UNIFORMS	2,500.00
255	09/08/2025	11345	MATLOCK SECURITY SERVICES	Access Control for Hodson's New Addition	9,745.00
256	09/11/2025	20100	TURNER ROOFING SERVICES LLC	Roof Renovation	188,376.00
257	09/11/2025	11345	MATLOCK SECURITY SERVICES	Mills intercom replacement damaged during storm	48,182.00
258	09/11/2025	17622	OVERDRIVE, INC.	E-books and audio books for the media center	500.00
259	09/15/2025	16285	BRIDGEPOINT ELECTRIC INC	Safety and security lights	9,565.00
260	09/19/2025	19026	EEI GROUP LLC	NEW RTU FOR 8GC	56,471.00
261	09/19/2025	9205	FOLLETT SCHOOL SOLUTIONS, INC	REPLACING DAMAGED LIBRARY BOOKS	1,321.86
262	09/19/2025	11345	MATLOCK SECURITY SERVICES	AVIGILON CAMERA SYSTEM	64,874.00
263	09/19/2025	336	BSN SPORTS	BOND 31: B.WR UNIFORMS	2,215.00
264	09/19/2025	11351	AMAZON	Library Books	300.00
265	09/22/2025	8300	WALLACE DESIGN COLLECTIVE PC	FFA Fence Survey & Staking	1,200.00
266	09/24/2025	11404	DECKER EQUIPMENT	Blanket PO for Furniture & Fixtures District Wide	5,000.00
267	09/24/2025	13869	CENGAGE LEARNING	CENTURY 21 ACCOUNTING GENERAL JOURNAL 6YR-OHS	11,534.25
268	09/24/2025	5355	BEAR COMMUNICATIONS INC	Hand Held Radios and Mics	2,000.00
269	09/30/2025	19124	VICENTE MANDUJANO VASQUEZ	REMODEL OF BUS BARN ROOM	2,500.00
270	10/01/2025	19140	CSS INC	Rework roof curbs	23,540.00

Non-Payroll Total:	**$433,733.71**
Payroll Total:	**$0.00**
Report Total:	**$433,733.71**

Owasso Public Schools

Purchase Order Register

Options: Year: 2025-2026, Fund(s): 35 BOND - 2017, Date Range: 9/4/2025 - 10/2/2025, PO Range: 2 - 2

PO No	Date	Vendor No	Vendor	Description	Amount
2	09/17/2025	12357	STANDARD & POOR'S FINANCIAL SVC,LLC	RATING FEE FOR BOND SALE	17,865.00

Non-Payroll Total:	**$17,865.00**
Payroll Total:	**$0.00**
Report Total:	**$17,865.00**

Owasso Public Schools

Cash Balances

Options: Fiscal Years: 2026, Funds: 60, As Of Date: 9/30/2025, Account Types: All

Cash By Account and Fund

AC 0110	ROGERS COUNTY BANK			
2026	60	60 - ACTIVITY FUND		$3,700,212.75
			Total AC 0110	$3,700,212.75
				$3,700,212.75

Cash By Fund

2026	60	60 - ACTIVITY FUND	$3,700,212.75
			$3,700,212.75

Owasso Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 7/1/2025 - 9/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
801 ESC ACTIVITY FUND	$0.00	$25,276.23	$212,412.54	$15,306.77	$222,382.00	$17,936.38	$204,445.62
804 CN REFUND SUB ACCT	$0.00	$10,000.00	$0.00	$2,165.10	$7,834.90	$51.95	$7,782.95
805 OHS ACTIVITY	$0.00	$18,865.00	$144,060.05	$9,591.64	$153,333.41	$1,950.00	$151,383.41
806 HS AP	$0.00	$0.00	$36,807.13	$0.00	$36,807.13	$646.00	$36,161.13
807 HS NATIONAL HONOR SOCIETY	$0.00	$1,955.00	$19,775.00	$1,071.92	$20,658.08	$700.00	$19,958.08
808 HS STUDENT COUNCIL	$0.00	$21,440.00	$78,420.45	$2,273.30	$97,587.15	$16,005.00	$81,582.15
809 HS SPEECH/DEBATE	$0.00	$0.00	$4,345.40	$0.00	$4,345.40	$0.00	$4,345.40
810 OHS - TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$3,000.00	$328.98	$2,671.02	$1,071.02	$1,600.00
811 HS YOUTH ALIVE	$0.00	$0.00	$805.69	$0.00	$805.69	$0.00	$805.69
812 HS YEARBOOK	$0.00	$407.00	$12,024.96	$494.76	$11,937.20	$512.82	$11,424.38
814 HS ACADEMIC BOWL	$0.00	$0.00	$409.86	$0.00	$409.86	$0.00	$409.86
815 HS EQUALITY CLUB	$0.00	$0.00	$178.43	$0.00	$178.43	$0.00	$178.43
816 HS BAND	$0.00	$207,267.57	$214,405.99	$15,127.43	$406,546.13	$11,436.32	$395,109.81
817 5TH GRADE HONOR CHOIR-DISTRICTWIDE	$0.00	$0.00	$4,071.82	$0.00	$4,071.82	$0.00	$4,071.82
818 HS FFA	$0.00	$44,891.58	$35,358.35	$1,196.00	$79,053.93	$24,600.00	$54,453.93
819 HS EAST - THE RAM RESERVE - SCHOOL STORE	$0.00	$1,467.00	$297.51	$345.07	$1,419.44	$729.72	$689.72
820 HS STEM CLUB	$0.00	$0.00	$79.25	$0.00	$79.25	$0.00	$79.25
821 HS COUNSELORS	$0.00	$0.00	$2,892.15	$34.25	$2,857.90	$0.00	$2,857.90
822 HS ART	$0.00	$8,190.00	$1,905.54	$1,400.45	$8,695.09	$165.00	$8,530.09
824 HS STAGECRAFT	$0.00	$0.00	$405.18	$0.00	$405.18	$0.00	$405.18
825 HS LIBRARY	$0.00	$5,336.36	$14,013.73	$2,895.84	$16,454.25	$6,548.57	$9,905.68
826 HS SENIOR CLASS	$0.00	$7,499.43	$38,449.06	$1,756.10	$44,192.39	$4,285.00	$39,907.39
827 HS UNIFIED CLUB	$0.00	$0.00	$866.54	$0.00	$866.54	$0.00	$866.54
828 HS JUNIOR CLASS	$0.00	$0.00	$52,900.73	$54.95	$52,845.78	$2,450.00	$50,395.78
830 SPARK	$0.00	$228,471.35	$186,776.27	$123,886.89	$291,360.73	$54,062.39	$237,298.34
831 E-SPORTS	$0.00	$2,222.00	$1,232.74	$0.00	$3,454.74	$650.00	$2,804.74
834 HS FCA - FELLOWSHIP OF CHRISTIAN ATHLETES	$0.00	$0.00	$115.00	$0.00	$115.00	$0.00	$115.00
835 HS HISTORY CLUB	$0.00	$0.00	$430.62	$0.00	$430.62	$0.00	$430.62
836 HS WORLD TRAVEL CLUB	$0.00	$0.00	$605.57	$0.00	$605.57	$0.00	$605.57
837 HS ROBOTICS	$0.00	$0.00	$1,018.72	$0.00	$1,018.72	$0.00	$1,018.72
838 OHS LARP CLUB	$0.00	$0.00	$139.99	$0.00	$139.99	$0.00	$139.99
839 HS DRAMA/PRODUCTIONS	$0.00	$3,945.00	$14,821.99	$2,755.09	$16,011.90	$2,750.00	$13,261.90
840 8GC TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,500.00	$0.00	$1,500.00	$0.00	$1,500.00
841 EIGHTH GRADE ACTIVITY	$0.00	$40.00	$19,303.72	$0.00	$19,343.72	$0.00	$19,343.72
842 EIGHTH GRADE STUDENT COUNCIL	$0.00	$0.00	$6,631.07	$0.00	$6,631.07	$1,550.00	$5,081.07
844 EIGHTH GRADE FACS	$0.00	$825.00	$3,386.66	$0.00	$4,211.66	$0.00	$4,211.66
845 EIGHTH GRADE YEARBOOK	$0.00	$43.00	$3,503.73	$119.83	$3,426.90	$0.00	$3,426.90
848 EIGHTH GRADE ART	$0.00	$2,055.00	$1,624.01	$0.00	$3,679.01	$3,000.00	$679.01
849 EIGHTH GRADE FOREIGN LANGUAGE	$0.00	$680.00	$1,687.77	$123.43	$2,244.34	$0.00	$2,244.34
851 EIGHTH GRADE ROBOTICS	$0.00	$0.00	$24.62	$0.00	$24.62	$0.00	$24.62
853 EIGHTH GRADE COMPUTER	$0.00	$130.00	$441.42	$0.00	$571.42	$0.00	$571.42
855 EIGHTH GRADE ENGLISH	$0.00	$0.00	$114.52	$0.00	$114.52	$0.00	$114.52
856 EIGHTH GRADE TEACHERS WELFARE	$0.00	$0.00	$913.12	$0.00	$913.12	$450.00	$463.12
857 7TH GRADE STEM	$0.00	$1,190.00	$92.81	$372.69	$910.12	$0.00	$910.12
858 EIGHTH GRADE FCCLA	$0.00	$1,080.00	$8,075.87	$1,125.00	$8,030.87	$620.00	$7,410.87
859 EIGHTH GRADE STRENGTH & CONDITIONING / PE	$0.00	$200.00	$924.98	$0.00	$1,124.98	$887.62	$237.36
860 EIGHTH GRADE STEM	$0.00	$110.00	$591.09	$0.00	$701.09	$0.00	$701.09
861 SEVENTH GRADE ACTIVITY	$0.00	($1.00)	$24,418.94	$2,187.66	$22,230.28	$0.00	$22,230.28
862 SEVENTH GRADE YEARBOOK	$0.00	$0.00	$5,212.49	$0.00	$5,212.49	$0.00	$5,212.49
863 SEVENTH FOREIGN LANGUAGE	$0.00	$891.00	$522.08	$350.00	$1,063.08	$215.00	$848.08
864 SEVENTH GRADE STUDENT COUNCIL	$0.00	$1,326.00	$2,447.06	$0.00	$3,773.06	$1,200.00	$2,573.06
866 SEVENTH GRADE SCIENCE	$0.00	$0.00	$137.11	$0.00	$137.11	$0.00	$137.11

Owasso Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 7/1/2025 - 9/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
868 SEVENTH GRADE PHYS ED	$0.00	$435.00	$3,378.28	$0.00	$3,813.28	$0.00	$3,813.28
869 7GC FACS	$0.00	$5,347.00	$207.71	$0.00	$5,554.71	$990.00	$4,564.71
870 7GC TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,500.00	$69.20	$1,430.80	$100.00	$1,330.80
872 SEVENTH GRADE NATL JR HON SOC	$0.00	$0.00	$1,991.74	$100.00	$1,891.74	$500.00	$1,391.74
874 SEVENTH GRADE LIBRARY	$0.00	$235.14	$2,958.82	$0.00	$3,193.96	$525.00	$2,668.96
875 BARNES ACTIVITY	$0.00	$1,263.00	$32,993.92	$3,682.57	$30,574.35	$4,033.63	$26,540.72
876 BARNES ALL IN	$0.00	$0.00	$750.90	$0.00	$750.90	$750.90	$0.00
877 BARNES LIBRARY	$0.00	$0.00	$22,802.73	$655.55	$22,147.18	$4,300.00	$17,847.18
879 SEVENTH GRADE ART	$0.00	$2,995.00	$1,516.61	$181.11	$4,330.50	$1,420.00	$2,910.50
880 BARNES TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$284.85	$715.15	$27.96	$687.19
881 BARNES MUSIC	$0.00	$0.00	$34.30	$0.00	$34.30	$0.00	$34.30
882 ATOR LIBRARY	$0.00	$1,838.74	$4,001.01	$2,692.68	$3,147.07	$1,100.00	$2,047.07
883 ATOR ACTIVITY	$0.00	$0.00	$13,045.16	$0.00	$13,045.16	$846.75	$12,198.41
884 ATOR PHYSICAL EDUCATION	$0.00	$0.00	$1,594.70	$0.00	$1,594.70	$0.00	$1,594.70
887 MILLS ACTIVITY	$0.00	$252.00	$14,500.37	$1,211.45	$13,540.92	$3,673.16	$9,867.76
888 STUDENT LEADERSHIP	$0.00	$0.00	$1,457.64	$0.00	$1,457.64	$0.00	$1,457.64
889 MILLS TEACHER WELFARE	$0.00	$501.00	$3,899.71	$0.00	$4,400.71	$0.00	$4,400.71
890 MILLS TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$151.16	$848.84	$348.84	$500.00
891 MILLS LIBRARY	$0.00	$14.00	$7,949.13	$1,001.31	$6,961.82	$1,638.69	$5,323.13
892 SMITH TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$0.00	$1,000.00	$20.00	$980.00
893 SMITH ACTIVITY	$0.00	$1,784.50	$27,143.58	$918.99	$28,009.09	$3,267.18	$24,741.91
894 SMITH LIBRARY	$0.00	$4,160.15	$10,298.10	$3,249.78	$11,208.47	$2,800.00	$8,408.47
895 SMITH RUN CLUB	$0.00	$0.00	$23.00	$0.00	$23.00	$0.00	$23.00
897 SMITH TEACHERS WELFARE	$0.00	$975.00	$1,883.37	$570.00	$2,288.37	$751.00	$1,537.37
898 HODSON ACTIVITY	$0.00	$693.00	$37,409.06	$3,372.21	$34,729.85	$5,267.79	$29,462.06
899 HODSON TEACHER WELFARE	$0.00	$0.00	$294.02	$127.03	$166.99	$0.00	$166.99
900 HODSON TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$0.00	$1,000.00	$500.00	$500.00
901 HODSON LIBRARY	$0.00	$296.20	$11,437.61	$476.18	$11,257.63	$276.76	$10,980.87
902 HODSON PHYS ED	$0.00	$0.00	$813.26	$0.00	$813.26	$0.00	$813.26
903 HODSON MUSIC	$0.00	$930.00	$817.08	$450.00	$1,297.08	$659.07	$638.01
904 NORTHEAST TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$129.60	$870.40	$670.40	$200.00
905 NORTHEAST ACTIVITY	$0.00	$0.00	$35,668.85	$549.48	$35,119.37	$3,441.00	$31,678.37
906 NORTHEAST TEACHERS WELFARE	$0.00	$0.00	$220.54	$0.00	$220.54	$0.00	$220.54
907 NORTHEAST LIBRARY	$0.00	$5,192.96	$33,208.79	$1,442.21	$36,959.54	$9,291.87	$27,667.67
911 BAILEY ACTIVITY	$0.00	$1,118.50	$18,903.96	$507.66	$19,514.80	$684.00	$18,830.80
912 BAILEY TEACHERS WELFARE	$0.00	$325.00	$190.56	$100.33	$415.23	$40.00	$375.23
914 BAILEY LIBRARY	$0.00	$5,519.33	$7,489.55	$1,554.99	$11,453.89	$1,350.00	$10,103.89
915 BAILEY TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$0.00	$1,000.00	$175.00	$825.00
924 EIGHTH GRADE LIBRARY	$0.00	$1,457.86	$3,088.76	$0.00	$4,546.62	$2,000.00	$2,546.62
926 EIGHTH GRADE NATL JR HONOR SOC	$0.00	$960.00	$2,659.25	$248.13	$3,371.12	$0.00	$3,371.12
927 EIGHTH GRADE SCIENCE	$0.00	$0.00	$24.07	$0.00	$24.07	$0.00	$24.07
929 SPECIAL ED PROGRAMS	$0.00	$0.00	$213,953.11	$246.44	$213,706.67	$5,261.67	$208,445.00
930 ATOR TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$62.94	$937.06	$0.00	$937.06
932 SPEC OLYMPICS - DIST WIDE	$0.00	$300.00	$80,295.51	$0.00	$80,595.51	$2,600.00	$77,995.51
933 RAM ACADEMY	$0.00	$1,825.60	$6,673.95	$959.89	$7,539.66	$2,771.62	$4,768.04
934 INDIAN EDUCATION ACTIVITY	$0.00	$0.00	$9,615.83	$2,104.57	$7,511.26	$2,429.70	$5,081.56
937 GRANTS (EXCEPT OEF-SEE 936)	$0.00	$10,000.00	$5,451.56	$3,744.11	$11,707.45	$5,003.36	$6,704.09
938 STAFF APPRECIATION-DISTRICT SERVICES-FOOD ONLY	$0.00	$0.00	$5,726.55	$1,083.34	$4,643.21	$100.00	$4,543.21
941 ATHLETICS	$0.00	$259,995.83	$492,714.48	$205,724.02	$546,986.29	$150,047.94	$396,938.35
942 RAM PARTNERS	$0.00	$166,670.00	$140,827.16	$20,167.30	$287,329.86	$90,190.61	$197,139.25

Owasso Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 7/1/2025 - 9/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
944 VIRTUAL/SUMMER SCHOOL	$0.00	($25.00)	$31,025.00	$0.00	$31,000.00	$0.00	$31,000.00
946 DISTRCT FINE ARTS	$0.00	$31,670.50	$117,100.13	$10,161.81	$138,608.82	$18,475.91	$120,132.91
947 OPERATIONS WELFARE FUND	$0.00	$0.00	$179.58	$0.00	$179.58	$0.00	$179.58
949 HEALTH SERVICES	$0.00	$0.00	$106.29	$0.00	$106.29	$0.00	$106.29
951 RAM TEACHER WELFARE	$0.00	$0.00	$4,327.98	$0.00	$4,327.98	$0.00	$4,327.98
953 HS FACS	$0.00	$4,510.00	$6,806.67	$702.36	$10,614.31	$600.00	$10,014.31
957 HS VOCAL	$0.00	$33,596.85	$49,060.12	$3,594.49	$79,062.48	$35,625.00	$43,437.48
960 STEM - 6GC	$0.00	$1,040.00	$1,642.53	$0.00	$2,682.53	$0.00	$2,682.53
962 STUDENT HOLDING ACCOUNT	$0.00	($9,576.64)	$107,318.26	$0.00	$97,741.62	$0.00	$97,741.62
963 HS LIBERTY COMMITTEE	$0.00	$0.00	$6,028.21	$0.00	$6,028.21	$1,590.00	$4,438.21
965 HS TEACHERS WELFARE	$0.00	$862.34	$15,016.22	$127.93	$15,750.63	$1,307.07	$14,443.56
968 MORROW ACTIVITY	$0.00	$430.93	$33,289.80	$200.00	$33,520.73	$5,486.39	$28,034.34
969 MORROW TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$0.00	$1,000.00	$750.00	$250.00
970 RAM ACADEMY TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$300.00	$122.94	$177.06	$0.00	$177.06
971 HS FCCLA	$0.00	$2,345.50	$4,912.89	$1,158.79	$6,099.60	$3,136.00	$2,963.60
972 MORROW TEACHER WELFARE	$0.00	$1,368.00	$5,650.22	$0.00	$7,018.22	$1,400.00	$5,618.22
973 HS FOREIGN LANGUAGE CLUB	$0.00	$450.00	$10,476.94	$483.88	$10,443.06	$0.00	$10,443.06
974 MORROW LIBRARY	$0.00	$6,803.72	$12,485.68	$986.94	$18,302.46	$5,728.00	$12,574.46
975 SIXTH GRADE ACTIVITY	$0.00	$0.00	$21,273.25	$820.40	$20,452.85	$1,025.00	$19,427.85
976 SIXTH GRADE PHYS ED	$0.00	$20.00	$936.98	$0.00	$956.98	$0.00	$956.98
977 SIXTH GRADE STUDENT COUNCIL	$0.00	$0.00	$5,343.45	$0.00	$5,343.45	$650.00	$4,693.45
978 SIXTH GRADE YEARBOOK	$0.00	$35.00	$20,065.94	$0.00	$20,100.94	$0.00	$20,100.94
979 SIXTH GRADE COMPUTER	$0.00	$0.00	$22.42	$0.00	$22.42	$0.00	$22.42
980 6GC TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,500.00	$0.00	$1,500.00	$0.00	$1,500.00
982 SIXTH GRADE SCIENCE	$0.00	$0.00	$117.39	$0.00	$117.39	$0.00	$117.39
983 SIXTH GRADE ART	$0.00	$3,375.00	$4,501.31	$287.37	$7,588.94	$0.00	$7,588.94
984 SIXTH GRADE TEACHERS WELFARE	$0.00	$0.00	$1,875.54	$678.30	$1,197.24	$0.00	$1,197.24
988 SIXTH GRADE SOCIAL STUDIES	$0.00	$0.00	$2,123.01	$0.00	$2,123.01	$0.00	$2,123.01
989 SIXTH GRADE LIBRARY	$0.00	$111.84	$14,992.74	$485.33	$14,619.25	$3,119.00	$11,500.25
990 STONE CANYON TEACHER/STAFF APPRECIATION-FOOD ONLY	$0.00	$0.00	$1,000.00	$140.89	$859.11	$200.00	$659.11
993 SIXTH GRADE E.S.C.	$0.00	$0.00	$1,572.00	$0.00	$1,572.00	$0.00	$1,572.00
994 STONE CANYON ACTIVITY	$0.00	$3,703.05	$20,333.71	$1,503.71	$22,533.05	$8,927.00	$13,606.05
995 STONE CANYON TEACHERS WELF	$0.00	$0.00	$971.97	$0.00	$971.97	$0.00	$971.97
997 STONE CANYON LIBRARY	$0.00	$8,902.03	$19,749.84	$9,873.00	$18,778.87	$10,986.88	$7,791.99
998 CHROMEBOOK INS/ACCESORIES	$0.00	$27,207.50	$31,910.08	$1,404.60	$57,712.98	$40,595.40	$17,117.58
Total	**$0.00**	**$1,187,717.95**	**$2,988,009.77**	**$475,514.97**	**$3,700,212.75**	**$603,928.34**	**$3,096,284.41**

BOARD OF EDUCATION ELECTION RESOLUTION

TO: **Tulsa** County Election Board

FROM: The **Owasso Public** School District, Independent School District No. **11** of **Tulsa**, County, Oklahoma

The Board of Education of the **Owasso Public** School District has approved the following resolution calling for an election to be submitted to the voters of the district.

Date of the Election:

A Board of Education Primary Election shall be held on February 10, 2026, only if three or more candidates file for the Board of Education position scheduled to be on the ballot or for a Board of Education position appearing on the ballot as an unexpired term. A Board of Education General Election shall be held on April 7, 2026, under the following circumstances: if only two candidates file for a position scheduled to be on the ballot or for a position on the ballot for an unexpired term or if no candidate in the Board of Education Primary Election receives more than 50% of the votes cast. The polling places shall be open from 7 a.m. to 7 p.m.

Board Member Position on Ballot:

The voters shall elect a board member for board position No. **1**, which has a **5**-year term of office.

Qualifications of Candidates for Office:

To be eligible to be a candidate for member of the board of education of a school district, a person must have resided in the district for at least six months preceding the first day of the filing period, and have been a registered voter registered with the county election board at an address located within the geographical boundaries of the district for six months preceding the first day of the filing period. In school districts that have been divided into election districts, a candidate must have resided in the district for six months preceding the first day of the filing period and have been a registered voter registered with the county election board at an address located within the geographical boundaries of the election district for six months preceding the first day of the filing period.

No person shall be eligible to be a candidate for or elected to be a member of the board of education of a school district unless the person has been awarded a high school diploma or certificate of high school equivalency.

A person who has been convicted of a misdemeanor involving embezzlement or a felony under the laws of this state or of the United States or who has entered a plea of guilty or nolo contendere to such misdemeanor involving embezzlement or felony or who has been convicted of a crime in another state which would have been a misdemeanor involving embezzlement or a felony under the laws of this state or has entered a plea of guilty or nolo contendere to such

crime shall not be eligible to be a candidate for or be elected to any school board office for a period of fifteen years following completion of his sentence or during the pendency of an appeal of such conviction or plea.

No person shall be eligible to be a candidate for or serve on a board of education if he or she is currently employed by the school district governed by the board of education or is related within the second degree by affinity or consanguinity to any other member of the board of education or to any employee of the school district. The following are relatives within the second degree: A candidate's spouse, child, parent, grandchild, grandparent, brother, sister, spouse's child, spouse's grandchild, spouse's brother, spouse's sister, spouse's grandparent, grandchild's spouse, parent's spouse, and child's spouse. The prohibitions in this paragraph shall not apply if the board member candidate is related within the second degree of affinity or consanguinity to an individual employed as a substitute teacher by the school district or as a temporary substitute support employee if the school district has an Average Daily Membership of less than five thousand (5,000).

Candidates must affirm that upon being elected as a new member of the Board of Education, within fifteen (15) months of election, they will complete at least twelve (12) hours of instruction on education issues, including school finance, Oklahoma education laws, and ethics, duties and responsibilities of district board of education members. Three (3) of these twelve (12) credits must be earned as follows: one (1) credit in ethics, one (1) credit in open meeting act and open records act, and one (1) credit in school finance. Incumbents must affirm that they will complete six (6) hours of instruction within fifteen (15) months of election emphasizing changes in school law. Three (3) of these six (6) credits must be earned as follows: one (1) credit in ethics, one (1) credit in open meeting act and open records act, and one (1) credit in school finance.

Voters Eligible to Vote:

To be eligible to vote, a voter must be registered with the county election board at an address within the geographical boundaries of the district.

Ballot Titles:

The ballot to be submitted to the voters shall call for the voters to:

1. Select one candidate for **Owasso Public** School Board Position No.**1**.

Approved by the **Owasso Public** Board of Education this **6th** day of **October, 2025**.

_____ _____

President of the Board of Education Clerk of the Board of Education

1.61 Wellness Policy Sept 2025 edit

Purpose

Owasso Public Schools (hereto referred to as the District) is committed to the optimal development of every student. The District believes that for students to have the opportunity to achieve personal, academic, developmental and social success, we need to create positive, safe and health-promoting learning environments at every level, in every setting, throughout the school year.

This policy outlines the District's approach to ensuring environments and opportunities for all students to practice healthy eating and physical activity behaviors throughout the school day while minimizing commercial distractions. Specifically, this policy establishes goals and procedures to ensure that:

- Students in the District have access to healthy foods throughout the school day – both through reimbursable school meals and other foods available throughout the school campus– in accordance with federal and state nutrition standards;
- Students receive quality nutrition education that helps them develop lifelong healthy eating behaviors;
- Students have opportunities to be physically active before, during and after school;
- Schools engage in nutrition and physical activity promotion and other activities that promote student wellness;
- School staff are encouraged and supported to practice healthy nutrition and physical activity behaviors in and out of school;
- The community is engaged in supporting the work of the District in creating continuity between school and other settings for students and staff to practice lifelong healthy habits; and
- The District establishes and maintains an infrastructure for management, oversight, implementation, communication about and monitoring of the policy and its established goals and objectives.

This policy applies to all students, staff and schools in the District. Specific measureable goals and outcomes are identified within each section below.

I. School Wellness Committee

Committee Role and Membership

The District will convene a representative district wellness committee (hereto referred to as the DWC or work within an existing school health committee) that meets at least two times per year meeting once per semester to establish goals for and oversee school health and safety policies and programs, including development, implementation and periodic review and update of this district-level wellness policy (heretofore referred to as “wellness policy”).

The DWC membership will represent all school levels (elementary and secondary schools) and include (to the extent possible), but not be limited to: parents and caregivers; students; representatives of the school nutrition program (e.g., school nutrition director); physical education teachers; health education teachers; school health professionals (e.g., health education teachers, school health services staff [e.g., nurses, physicians, dentists, health educators, and other allied health personnel who provide school health services], and mental health and social services staff [e.g., school counselors, psychologists, social workers, or psychiatrists]; school administrators (e.g.., superintendent, principal, vice principal), school board members; health professionals (e.g., dietitians, doctors, nurses, dentists); and the general public. When possible, membership will also include Supplemental Nutrition Assistance Program Education coordinators (SNAP-EDEDSNAP-Ed). To the extent possible, the DWC will include representatives from each school building and reflect the diversity of the community.

If you would like to be involved with the Wellness committee please email Ram.Meals@Owassops.org. Our Child Nutrition team will help connect you with your established building committee as well as provide details on the publicly accessible District Wellness Committee. Community participation is important in helping us promote the health and wellness of our students and community.

Each school within the District will establish an ongoing School Wellness Committee (SWC) that convenes to review school-level issues, in coordination with the DWC.]

Leadership

The Superintendent or designee(s) will convene the DWC and facilitate the development of and updates to the wellness policy, and will ensure each school's compliance with the policy.

The designated official for oversight is the Assistant Superintendent of Teaching and Learning.

The name(s), title(s), and contact information (email address is sufficient) of this/these individual(s) is (are):

Name	Title / Relationship to the School or District	Email address	Role on Committee
Bryce Wood	Child Nutrition Specialist	bryce.wood@owassops.org	Meeting Coordinator Contributor
Haley Schlepp	Nurse	Haley.schlepp@owassops.org	Contributor

Rickey Peaker	Secondary PE	rickey.peaker@owassops.org	Contributor
Kristen Knowles	Elementary PE	kristen.knowles@owassops.org	Contributor

Each school will designate a school wellness policy coordinator, who will ensure compliance with the policy. Refer to Owassops.org for a list of school-level wellness policy coordinators.

II. Wellness Policy Implementation, Monitoring, Accountability and Community Engagement

Implementation Plan

The District will develop and maintain a plan for implementation to manage and coordinate the execution of this wellness policy. The plan delineates roles, responsibilities, actions and timelines specific to each school; and includes information about who will be responsible to make what change, by how much, where and when; as well as specific goals and objectives for nutrition standards for all foods and beverages available on the school campus, food and beverage marketing, nutrition promotion and education, physical activity, physical education and other school-based activities that promote student wellness. It is recommended that the school use the *Healthy Schools Program online tools* to complete a school-level assessment based on the Centers for Disease Control and Prevention's School Health Index, create an action plan that fosters implementation and generate an annual progress report.

This wellness policy and the progress reports can be found at: *owassops.org*

Recordkeeping

- The District will retain records to document compliance with the requirements of the wellness policy at the Child Nutrition Office. Documentation maintained in this location will include but will not be limited to:
- The written wellness policy;
- Documentation demonstrating that the policy has been made available to the public;
- Documentation of efforts to review and update the Local Schools Wellness Policy; including an indication of who is involved in the update and methods the district uses to make stakeholders aware of their ability to participate on the DWC;
- Documentation to demonstrate compliance with the annual public notification requirements;
- The most recent assessment on the implementation of the local school wellness policy;
- Documentation demonstrating the most recent assessment on the implementation of the Local School Wellness Policy has been made available to the public.

Annual Notification of Policy

The District will actively inform families and the public each year of basic information about this policy, including its content, any updates to the policy and implementation status. The District will make this information available via the district website and/or district-wide communications. The District will provide as much information as possible about the school nutrition environment. This will include a summary of the District's and/or school events or activities related to wellness policy implementation. Annually, the District will also publicize the name and contact information of the District Leaders leading and coordinating committee, as well as information on how the public can get involved with the school wellness committee.

Triennial Progress Assessments

At least once every three years, the District will evaluate compliance with the wellness policy to assess the implementation of the policy and include:

- The extent to which schools under the jurisdiction of the District are in compliance with the wellness policy;
- The extent to which the District's wellness policy compares to the Alliance for a Healthier Generation's model wellness policy; and
- A description of the progress made in attaining the goals of the District's wellness policy.

The position/person responsible for managing the triennial assessment and contact information is Director of Child Nutrition.

The DWC, in collaboration with individual schools, will monitor schools' compliance with this wellness policy.

The District will actively notify households/families of the availability of the triennial progress report.

Revisions and Updating the Policy

The DWC will update or modify the wellness policy based on the results of the annual School Health Index and triennial assessments and/or as District priorities change; community needs change; wellness goals are met; new health science, information, and technology emerges; and new Federal or state guidance or standards are issued. The wellness policy will be assessed and updated as indicated at least every three years, following the triennial assessment.

Community Involvement, Outreach and Communications

The District is committed to being responsive to community input, which begins with awareness of the wellness policy. The District will actively communicate ways in which representatives of DWC and others can participate in the development, implementation and periodic review and update of the wellness policy through a variety of means appropriate for that district. The District will also inform parents of the improvements that have been made to school meals and compliance with school meal standards, availability of child nutrition programs and how to apply, and a description of and compliance with Smart Snacks in School nutrition standards. The District will use

electronic mechanisms, such as email or displaying notices on the district's website, as well as non-electronic mechanisms, such as newsletters, presentations to parents, or sending information home to parents, to ensure that all families are actively notified of the content of, implementation of, and updates to the wellness policy, as well as how to get involved and support the policy. The District will ensure that communications are culturally and linguistically appropriate to the community, and accomplished through means similar to other ways that the district and individual schools are communicating important school information with parents.

The District will actively notify the public about the content of or any updates to the wellness policy annually, at a minimum. The District will also use these mechanisms to inform the community about the availability of the annual and triennial reports.

III. Nutrition

School Meals

Our school district is committed to serving healthy meals to children, high in fiber, with plenty of fruits, vegetables, whole grains, and fat-free and low-fat milk; that are low in sodium, sugar and saturated fat, and have zero grams' *trans*-fat per serving (nutrition label or manufacturer's specification); and to meet the nutrition needs of school children within their calorie requirements. The school meal programs aim to improve the diet and health of school children, help mitigate childhood obesity, model healthy eating to support the development of lifelong healthy eating patterns and support healthy choices while accommodating cultural food preferences and special dietary needs.

All schools within the District participate in USDA child nutrition programs, including the National School Lunch Program (NSLP) and the School Breakfast Program (SBP). The District also operates additional nutrition-related programs and activities including Healthy High School Challenge and Future Chef's. All schools within the District are committed to offering school meals through the NSLP and SBP programs, and other applicable Federal child nutrition programs, that:

- Are accessible to all students;
- Are appealing and attractive to children;

- Are served in clean and pleasant and supervised settings.
- Meet or exceed current nutrition requirements and portion sizes established by local, state, and Federal statutes and regulations. (The District offers reimbursable school meals that meet USDA nutrition standards.)
- Students are encouraged to start the day with a healthy breakfast. Breakfast is available to all students at every site daily.
- Daily fruit options are displayed in a location in the line of sight and reach of students.
- A reimbursable meal can be created in any service area available to students (e.g., salad bars, snack rooms, etc.).
- Menus and nutritional information is available on a mobile app and website.
- Menus will be created and all meals reviewed by a Registered Dietitian or other certified nutrition professional.
- School meals are administered by a team of child nutrition professionals.
- The District child nutrition program will accommodate students with special dietary needs.
- Students are served lunch at a reasonable and appropriate time of day.
- Applications for reimbursable meal programs to families will be available on the district website at the start of the school year and throughout the year. Families will also receive applications through electronic methods as well as US Mail. The district will distribute materials to inform families of the availability and location of free Summer Food Service Program meals for students when school is not in session.
- The District will promote activities to involve students and parents in the lunch program.
- The District will allow students at least 10 minutes to eat breakfast and 20 minutes to eat lunch from the time they are seated and/or provide sufficient lunch periods that are long enough to give all students (K-12) adequate time to be served and eat their lunches.
- Promote healthy food and beverage choices using at least ten of the following marketing and merchandising techniques:
    - Whole fruit options are displayed in attractive bowls or baskets (instead of chafing dishes or hotel pans) at the secondary level.
    - Sliced or cut fruit is available daily.
    - All available vegetable options have been given creative or descriptive names.
    - Daily vegetable options are bundled into all grab-and-go meals available to students.

- All staff members, especially those serving, have been trained to politely prompt students to select and consume the daily vegetable options with their meal.
- White milk served in accordance with USDA regulations.
- Alternative entrée options (e.g., salad bar, yogurt parfaits, etc.) are highlighted on posters or signs within all service and dining areas.
- Student surveys and taste-testing opportunities are used to inform menu development, dining space decor, and promotional ideas.
- Daily announcements are used to promote and market menu options.
- Students will be allowed at least 10 minutes to eat breakfast and at least 20 minutes to eat lunch, counting from the time they have received their meal and are seated.
- Lunch will follow the recess period to better support learning and healthy eating when possible.
- Participation in Federal child nutrition programs will be promoted among students and families to help ensure that families know what programs are available in their children's school.
- Materials will be distributed to inform families of the availability and location of free Summer Food Service Program meals for students when school is not in session.
- The District will also offer breakfast using alternate meal service options such as Breakfast in the Classroom, Second Chance Breakfast, Breakfast at the Bell, and/or Grab and Go Breakfast carts in the hallway as applicable to each site.

Staff Qualifications and Professional Development

All school nutrition program directors, managers and staff will meet or exceed hiring and annual continuing education/training requirements in the *USDA professional standards for child nutrition professionals*. These school nutrition personnel will refer to USDA's Professional Standards for School Nutrition Standards website to search for training that meets their learning needs.

Water

To promote hydration, free, safe, unflavored drinking water will be available to all students without restriction throughout the school day* and throughout every school

campus* (“school campus” and “school day” are defined in the glossary). The District will make drinking water available where school meals are served during mealtimes.

- Water cups/jugs will be available in the cafeteria if a drinking fountain is not present.
- All water sources and containers will be maintained on a regular basis to ensure good hygiene and health safety standards. Such sources and containers may include drinking fountains, water jugs, hydration stations, water jets and other methods for delivering drinking water.
- Students will be allowed to bring and carry (approved) water bottles filled with only water with them throughout the day.
- Bottle fillers available at every site.

Competitive Foods and Beverages

The District is committed to ensuring that all foods and beverages available to students on the school campus* during the school day* support healthy eating. The foods and beverages sold and served outside of the school meal programs (e.g., “competitive” foods and beverages) will meet the USDA Smart Snacks in School nutrition standards, at a minimum. Smart Snacks aim to improve student health and well-being, increase consumption of healthful foods during the school day and create an environment that reinforces the development of healthy eating habits. A summary of the standards and information, as well as a Guide to Smart Snacks in Schools are available at: http://www.fns.usda.gov/school-meals/tools-schools-smart-snacks. The Alliance for a Healthier Generation provides a set of tools to assist with implementation of Smart Snacks available at http://www.healthiergeneration.org/.

To support healthy food choices and improve student health and well-being, all foods and beverages outside the reimbursable school meal programs that are *sold* to students on the school campus during the school day and ideally, the extended school day, will meet or exceed the USDA Smart Snacks nutrition standards. These standards will apply in all locations and through all services where foods and beverages are sold, which may include, but are not limited to, à la carte options in cafeterias, vending machines, school stores and snack or food carts. Only fundraisers that feature non-food items or foods and beverages that meet Smart Snack standards will be permitted.

In accordance with Oklahoma State Department of Education guidelines Owasso Public Schools allows up to 30 exempt fundraisers per semester/per site for the sale of non-Smart Snack compliant foods such as (but not limited to) bake sales, Blue & Gold sausage, and cookie dough.

Celebrations and Rewards

All foods *offered* on the school campus will meet or exceed the USDA Smart Snacks in School nutrition standards including ~~through~~:

1. Celebrations and parties. During the year there will be only two school-wide parties, Winter Holiday and Valentine's Day. Any refreshments brought to school for these parties must be store-bought. Parents may not bring birthday treats for the class. The district will provide a list of healthy party ideas to parents and teachers, including non-food celebration ideas. Healthy party ideas are available from the Alliance for a Healthier Generation and from the USDA.
2. Classroom snacks brought by parents. The District will provide to parents a list of foods and beverages that meet Smart Snacks nutrition standards.
3. Rewards and incentives. The District will provide teachers and other relevant school staff a list of alternative ways to reward children. Food and beverages will not be used as a reward, or withheld as punishment for any reason, such as for performance or behavior.

Fundraising

Foods and beverages that meet or exceed the USDA Smart Snacks in Schools nutrition standards may be sold through fundraisers on the school campus* during the school day*. The District will make available to parents and teachers a list of healthy fundraising ideas [*examples from the Alliance for a Healthier Generation and the USDA*].

Nutrition Promotion

Nutrition promotion and education positively influence lifelong eating behaviors by using evidence-based techniques and nutrition messages, and by creating food environments that encourage healthy nutrition choices and encourage participation in school meal programs. Students and staff will receive consistent nutrition messages throughout schools, classrooms, gymnasiums, and cafeterias. Nutrition promotion also includes marketing and advertising nutritious foods and beverages to students and is most effective when implemented consistently through a comprehensive and multi-channel approach by school staff, teachers, parents, students and the community.

The District will promote healthy food and beverage choices for all students throughout the school campus, as well as encourage participation in school meal programs. This promotion will occur through at least:

- Implementing at least ten or more evidence-based healthy food promotion techniques through the school meal programs using marketing and merchandising techniques; and
- Ensuring 100% of foods and beverages promoted to students meet the USDA Smart Snacks in School nutrition standards. Additional promotion techniques that the District and individual schools may use are available at http://www.healthiergeneration.org/.
- The District will promote healthy nutrition choices through exhibiting posters, signs, or other displays on the school campus.

Nutrition Education

The District will teach, model, encourage and support healthy eating by all students. Schools will provide nutrition education and engage in nutrition promotion that:

- Is designed to provide students with the knowledge and skills necessary to promote and protect their health;
- Is part of not only health education classes, but also integrated into other classroom instruction through subjects such as math, science, language arts, social sciences and elective subjects;
- Includes enjoyable, developmentally-appropriate, culturally-relevant and participatory activities, such as cooking demonstrations or lessons, promotions, taste-testing, farm visits and school gardens;

- Promotes fruits, vegetables, whole-grain products, low-fat and fat-free dairy products and healthy food preparation methods;
- Emphasizes caloric balance between food intake and energy expenditure (promotes physical activity/exercise);
- Highlights what it means to eat healthfully, consume proper nutrients, and maintain a wholesome and balanced diet.
- Links with school meal programs, cafeteria nutrition promotion activities, school gardens, Farm to School programs, other school foods and nutrition-related community services;
- Teaches media literacy with an emphasis on food and beverage marketing; and includes nutrition education training for teachers and other staff.

Essential Healthy Eating Topics in Health Education

The District will comply and support state learning objectives and standards, including those related to the Oklahoma Academic Standards for Health. The district will make available to students, their families, staff and the community, health education curriculum with a minimum of 6 of the following essential topics on healthy eating:

- Relationship between healthy eating and personal health and disease prevention
- Food guidance from MyPlate
- Reading and using FDA's nutrition fact labels
- Eating a variety of foods every day
- Balancing food intake and physical activity
- Eating more fruits, vegetables and whole grain products
- Choosing foods that are low in fat, saturated fat, and cholesterol and do not contain trans fat
- Choosing foods and beverages with little added sugars
- Eating more calcium-rich foods
- Preparing healthy meals and snacks
- Risks of unhealthy weight control practices
- Accepting body size differences
- Food safety
- Importance of water consumption
- Importance of eating breakfast
- Making healthy choices when eating at restaurants
- Eating disorders

- The Dietary Guidelines for Americans
- Reducing sodium intake
- Social influences on healthy eating, including media, family, peers and culture
- How to find valid information or services related to nutrition and dietary behavior
- How to develop a plan and track progress toward achieving a personal goal to eat healthfully
- Resisting peer pressure related to unhealthy dietary behavior
- Influencing, supporting, or advocating for others' healthy dietary behavior

Food and Beverage Marketing in Schools

The District is committed to providing a school environment that ensures opportunities for all students to practice healthy eating and physical activity behaviors throughout the school day while minimizing commercial distractions. The District strives to teach students how to make informed choices about nutrition, health and physical activity. These efforts will be weakened if students are subjected to advertising on District property that contains messages inconsistent with the health information the District is imparting through nutrition education and health promotion efforts. It is the intent of the District to protect and promote student's health by permitting advertising and marketing for only those foods and beverages that are permitted to be sold on the school campus, consistent with the District's wellness policy.

Any foods and beverages marketed or promoted to students on the school campus* during the school day* will meet or exceed the USDA Smart Snacks in School nutrition standards, such that only those foods that comply with or exceed those nutrition standards are permitted to be marketed or promoted to students.

Food and beverage marketing is defined as advertising and other promotions in schools. Food and beverage marketing often includes an oral, written, or graphic statements made for promoting the sale of a food or beverage product made by the producer, manufacturer, seller or any other entity with a commercial interest in the product.[1] This term includes, but is not limited to the following:

- Brand names, trademarks, logos or tags, except when placed on a physically present food or beverage product or its container.
- Displays, such as on vending machine exteriors
- Corporate brand, logo, name or trademark on school equipment, such as marquees, message boards, scoreboards or backboards (Note: immediate replacement of these items are not required; however, districts will replace or update scoreboards or other durable equipment when existing contracts are up for renewal or to the extent that is in financially possible over time so that items are in compliance with the marketing policy.)
- Corporate brand, logo, name or trademark on cups used for beverage dispensing, menu boards, coolers, trash cans and other food service equipment; as well as on posters, book covers, pupil assignment books or school supplies displayed, distributed, offered or sold by the District.
- Advertisements in school publications or school mailings.
- Free product samples, taste tests or coupons of a product, or free samples displaying advertising of a product.

As the District/school nutrition services/Athletics Department/PTA/PTO reviews existing contracts and considers new contracts, equipment and product purchasing (and replacement) decisions should reflect the applicable marketing guidelines established by the District wellness policy.

IV. Physical Activity

Children and adolescents should participate in at least 60 minutes of physical activity every day. A substantial percentage of students' physical activity can be provided through a comprehensive school physical activity program (CSPAP). A CSPAP reflects strong coordination and synergy across all of the components: quality physical education as the foundation; physical activity before, during and after school; staff involvement and family and community engagement; and the district is committed to providing these opportunities. Schools will ensure that these varied physical activity opportunities are in addition to, and not as a substitute for, physical education (addressed in "Physical Education" subsection). All schools in the district will be encouraged to successfully address all CSPAP areas.

Physical activity during the school day (including but not limited to recess, classroom physical activity breaks or physical education) will not be withheld as punishment for

any reason (*"This does not include participation on sports teams that have specific academic requirements*). Teachers and other school personnel will not use physical activity (e.g., running laps, push-ups) as punishment. The district will provide teachers and other school staff with a list of ideas for alternative ways to discipline students.

To the extent practicable, the District will ensure that its grounds and facilities are safe and that equipment is available to students to be active. The District will conduct necessary inspections and repairs.

Physical Education

The District will provide students with physical education, using an age-appropriate, sequential physical education curriculum consistent with national and state standards for physical education. The physical education curriculum will promote the benefits of a physically active lifestyle and will help students develop skills to engage in lifelong healthy habits, as well as incorporate essential health education concepts (discussed in the "*Essential Physical Activity Topics in Health Education*" subsection). The curriculum will support the essential components of physical education.

All students will be provided an equal opportunity to participate in physical education classes. The District will make appropriate accommodations to allow for equitable participation for all students and will adapt physical education classes and equipment as necessary.

All District elementary students in each grade will receive physical education in combination with recess for an average of 120 minutes per week throughout the school year.

All District secondary students (middle and high school, grades 6-12) are strongly encouraged to take the equivalent of one academic year of physical education.

The District physical education program will promote student physical fitness through individualized fitness and activity assessments and will use criterion-based reporting for each student.

- Students will engage in moderate to vigorous activity for more than 50% of class time in physical education class.
- During physical education classes, students will be given the opportunity to participate in many types of physical activity, including both cooperative and competitive games.
- When possible physical education classes will have a student/teacher ratio comparable to core subject classroom size
- All physical education classes in the district are taught by licensed teachers.

Essential Physical Activity Topics in Health Education

Health education will be required in all grades (elementary) and the district will require middle and high school students to take and pass at least one health education course. The District will include in the health education curriculum a minimum of 12 the following essential topics on physical activity:

- The physical, psychological, or social benefits of physical activity
- How physical activity can contribute to a healthy weight
- How physical activity can contribute to the academic learning process
- How an inactive lifestyle contributes to chronic disease
- Health-related fitness, that is, cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition
- Differences between physical activity, exercise and fitness
- Phases of an exercise session, that is, warm up, workout and cool down
- Overcoming barriers to physical activity
- Decreasing sedentary activities, such as TV watching
- Opportunities for physical activity in the community
- Preventing injury during physical activity
- Weather-related safety, for example, avoiding heat stroke, hypothermia and sunburn while being physically active
- How much physical activity is enough, that is, determining frequency, intensity, time and type of physical activity
- Developing an individualized physical activity and fitness plan
- Monitoring progress toward reaching goals in an individualized physical activity plan
- Dangers of using performance-enhancing drugs, such as steroids

- Social influences on physical activity, including media, family, peers and culture.
- How to find valid information or services related to physical activity and fitness.
- How to influence, support, or advocate for others to engage in physical activity.
- How to resist peer pressure that discourages physical activity.

Recess (Elementary)

All elementary schools will offer at least 20 minutes of recess on all days during the school year (*This policy may be waived on early dismissal or late arrival days*). If recess is offered before lunch, schools will have appropriate hand-washing facilities and/or hand-sanitizing mechanisms located just inside/outside the cafeteria to ensure proper hygiene prior to eating and students are required to use these mechanisms before eating. Hand-washing, as well as time to put away coats/hats/gloves, will be built into the recess transition period/time frame before students enter the cafeteria.

Outdoor recess will be offered when weather is feasible for outdoor play.

In the event that the school or district must conduct indoor recess, teachers and staff will develop and follow the indoor recess guidelines that promote physical activity for students, to the extent practicable.

Recess will complement, not substitute, physical education class. Recess monitors or teachers will encourage students to be active, and will serve as role models by being physically active alongside the students whenever feasible.

In order to increase food consumption, reduce waste and improve classroom attentiveness recess will be held before lunch when possible.

Classroom Physical Activity Breaks (Elementary and Secondary)

The District recognizes that students are more attentive and ready to learn if provided with periodic breaks when they can be physically active or stretch. Thus, students will be offered periodic opportunities to be active or to stretch throughout the day. The District recommends teachers provide to all students short (3-5-minute) physical activity breaks throughout the day to stretch, move around and break up their time spent sitting. These physical activities may take place during and/or between classroom times. These physical activity breaks will complement, not substitute, for physical education class, recess, and class transition periods.

Schools will allow teachers the opportunity to participate in or lead physical activities throughout the school day.

Active Academics

Teachers will incorporate movement and kinesthetic learning approaches into “core” subject instruction when possible (e.g., science, math, language arts, social studies and others) and do their part to limit sedentary behavior during the school day.

The District will support classroom teachers incorporating physical activity and employing kinesthetic learning approaches into core subjects by providing annual professional development opportunities and resources, including information on leading activities, activity options, as well as making available background material on the connections between learning and movement.

Teachers will serve as role models by being physically active alongside the students whenever feasible.

Before and After School Activities

The District offers opportunities for students to participate in physical activity either before and/or after the school day (or both) through a variety of methods. The District will encourage students to be physically active before and after school by: FOR Sports, Running Club, Secondary Band and Athletics.

Active Transport

The District will support active transport to and from school, such as walking or biking. The District will encourage this behavior by engaging in *six or more* of the activities below; including but not limited to:

- Promote activities such as International Walk to School Week, National Walk and Bike to School Week.
- Secure storage facilities for bicycles and helmets (e.g., shed, cage, fenced area, bike racks).
- Instruction on walking/bicycling safety provided to students.
- Promote safe routes program to students, staff, and parents via newsletters, websites, local newspaper and encourage parents to supervise groups of children who walk or bike to and from school.
- Use crossing guards.
- Use crosswalks on streets leading to schools.
- District will work with local officials to designate safe or preferred routes to school.

V. Other Activities that Promote Student Wellness

The District will integrate wellness activities across the entire school setting, not just in the cafeteria, other food and beverage venues and physical activity facilities. The District will coordinate and integrate other initiatives related to physical activity, physical education, nutrition and other wellness components so all efforts are complementary, not duplicative, and work towards the same set of goals and objectives promoting student well-being, optimal development and strong educational outcomes.

Schools in the District are encouraged to coordinate content across curricular areas that promote student health, such as teaching nutrition concepts in mathematics, with consultation provided by either the school or the District's curriculum experts.

All efforts related to obtaining federal, state or association recognition for efforts, or grants/funding opportunities for healthy school environments will be coordinated with and complimentary of the wellness policy, including but not limited to ensuring the involvement of the DWC/SWC.

All school-sponsored events will adhere to the wellness policy guidelines. All school-sponsored wellness events will include physical activity and healthy eating opportunities when appropriate.

Community Partnerships

The District will continue relationships with community partners (e.g., hospitals, universities/colleges, local businesses, SNAP-Ed providers and coordinators, etc.) in support of this wellness policy's implementation. Existing and new community partnerships and sponsorships will be evaluated to ensure that they are consistent with the wellness policy and its goals.

Community Health Promotion and Family Engagement

The District will promote to parents/caregivers, families, and the general community the benefits of and approaches for healthy eating and physical activity throughout the school year. Families will be informed and invited to participate in school-sponsored activities and will receive information about health promotion efforts.

As described in the "Community Involvement, Outreach, and Communications" subsection, the District will use electronic mechanisms (e.g., email or displaying notices on the district's website), as well as non-electronic mechanisms, (e.g., newsletters, presentations to parents or sending information home to parents), to ensure that all families are actively notified of opportunities to participate in school-sponsored activities and receive information about health promotion efforts.

Staff Wellness and Health Promotion

The district recognizes that employee health is essential to student health and creating healthy school environments. Accordingly, the district will implement an employee wellness program that promotes healthy eating. The District may partner with community agencies and organizations (e.g. local health departments, hospitals, health insurance companies, and local chapters of national organizations). The district may partner with community agencies and organizations to assist in providing education services and resources for staff.

Professional Learning

When feasible, the District will offer annual professional learning opportunities and resources for staff to increase knowledge and skills about promoting healthy behaviors in the classroom and school (e.g., increasing the use of kinesthetic teaching approaches or incorporating nutrition lessons into math class). Professional learning will help the District staff understand the connections between academics and health and the ways in which health and wellness are integrated into ongoing district reform or academic improvement plans/efforts.

Child Nutrition staff will receive training on basic nutrition, nutrition education, safe food preparation, and nutrition standards for healthy meals and snacks. In addition the Child Nutrition staff will organize and participate in educational activities that support healthy eating behaviors and food safety.

Glossary:

Extended School Day

The time during, before and after school that includes activities such as clubs, intramural sports, band and choir practice, drama rehearsals and more.

School Campus

Areas that are owned or leased by the school and used at any time for school-related activities, including on the outside of the school building, school buses or other vehicles used to transport students, athletic fields and stadiums (e.g., on scoreboards, coolers, cups, and water bottles), or parking lots.

School Day

The period of time between midnight the night before to 30 minutes after the end of the instructional day.

Competitive Foods and Beverages

Foods and beverages that are sold on campus outside of federal reimbursable school meals program during the school day (e.g., in vending machines or school stores)

Smart Snack Standards

Nutrition standards, issued by the USDA, that set limits on the amount of calories, salt, sugar, and fat in competitive foods and beverages

Triennial

Recurring every three years.

[1]

Amended October 2025
Amended March 2025
Amended October 2023
Amended October 2022
Amended November 2021
Amended December 2019
Amended August 2016
Adopted August 2006

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Summary of the Owasso 2025–2030 Hazard Mitigation Plan

The HMP is a joint effort between the **City of Owasso** and **Owasso Public Schools (OPS)** to reduce risks from natural and human-caused hazards. It identifies vulnerabilities (flooding, tornadoes, severe storms, drought, wildfire, earthquakes, etc.), sets goals, and outlines action plans for mitigation. Adoption of the plan keeps both the City and OPS eligible for FEMA hazard mitigation assistance funding .

Key strategies include:

- Strengthening building codes and infrastructure.
- Expanding safe rooms and protective facilities.
- Improving emergency operations and communications.
- Protecting critical facilities, schools, and lifelines.
- Aligning land use, zoning, and capital projects with hazard reduction goals.
- Ensuring educational continuity during disasters.

Owasso Public Schools' Responsibilities

OPS has specific roles and projects in the plan to safeguard students, staff, and facilities:

Emergency Preparedness & Safety

- Maintain a district-wide **Emergency Operations Plan**, including cardiac emergency response, CPR/AED training, and severe weather alert systems .
- Conduct **regular emergency drills** per state requirements.
- Subscribe to Perry Weather® for lightning and severe weather warnings.

Infrastructure & Facilities

OPS is responsible for several major mitigation projects:

1. **Safe Rooms** – Construct FEMA/ICC500-compliant safe rooms at all campuses .
2. **Communications System** – Expand a district-wide mass notification system.
3. **Emergency Power** – Install backup generators at key sites.
4. **Roofing Upgrades** – Replace and harden roofs against hail, wind, and severe storms.
5. **Protective Walkways** – Covered connections between buildings for weather safety
6. **Xeriscaping & Water Saving** – Drought-tolerant landscaping and water conservation features.
7. **Energy Efficient Windows & IT Upgrades** – Improve energy use and ensure digital continuity.
8. **Hail Guards on HVAC** – Protect systems from storm damage.

Floodplain & Land Use Compliance

- OPS must:
    - Obtain permits for construction in Special Flood Hazard Areas.
    - Coordinate with the City's Floodplain Administrator for compliance .
    - Harden access roads to ensure transportation continuity during floods .

Plan Adoption & Implementation

- The **OPS Board of Education must adopt the HMP by resolution**, direct staff to pursue mitigation projects, and submit the resolution with the City's to FEMA/Oklahoma for final approval .
- Adoption commits OPS to implementing assigned actions, as funding allows.

✅ **In short:** Owasso Public Schools is responsible for safeguarding students and facilities through structural projects (safe rooms, roofing, generators), compliance with floodplain rules, maintaining emergency operations and communication systems, training staff/students, and formally adopting and pursuing the HMP's priorities.

HAZARD MITIGATION PLAN FOR THE CITY OF OWASSO, OKLAHOMA AND OWASSO PUBLIC SCHOOLS 2025-2030

OWASSO
PUBLIC SCHOOLS

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OWASSO
REAL People • REAL Character • REAL Community

Chapter 1: Introduction

1.1 Plan Purpose and Scope

The purpose of this plan is to systematically identify, assess, and develop strategies to mitigate the risks posed by both natural and human-caused hazards that threaten the safety, health, and welfare of the Owasso community. By conducting a thorough evaluation of existing vulnerabilities and community capabilities, this plan aims to strengthen local resilience, minimize potential property and life losses, and promote sustainable development practices that support long-term community well-being.

This document functions as a strategic framework to guide policy decisions and coordinate mitigation efforts across various municipal departments, agencies, and community stakeholders. It ensures alignment with state and federal planning requirements, including those mandated by the Federal Emergency Management Agency (FEMA) through the Disaster Mitigation Act of 2000, thereby qualifying the city for related funding and technical support.

The scope of the plan encompasses the following key components:

- **Comprehensive Hazard Assessment:** Identification and detailed analysis of all natural and human-caused hazards with the potential to affect the jurisdiction, including but not limited to severe weather events, flooding, tornadoes, earthquakes, and technological incidents.
- **Evaluation of Local Capabilities:** Review of existing resources, infrastructure, emergency response capacity, community programs, and policies that support hazard mitigation and disaster response.
- **Prioritization of Mitigation Strategies:** Development and ranking of actionable mitigation projects and policies designed to reduce risk, protect vulnerable populations, and enhance overall community resilience.
- **Stakeholder Engagement:** Inclusive involvement of local government officials, emergency management personnel, community organizations, businesses, and residents to ensure broad community input and ownership of the plan's objectives.
- **Monitoring and Updating Procedures:** Establishment of a clear schedule and methodology for regular review, assessment, and revision of the plan to incorporate new data, lessons learned, and changing community conditions.

This plan is applicable to all geographic areas within the jurisdictional boundaries and addresses potential impacts to residential neighborhoods, commercial zones, institutional facilities, and public infrastructure. It serves as a critical tool for local government leaders, emergency managers, urban planners, and community partners committed to proactive hazard mitigation and building a safer, more resilient Owasso.

1.2 Geography

Owasso and the Owasso Public Schools district span both Tulsa and Rogers Counties in northeastern Oklahoma, located approximately 20 miles northeast of Downtown Tulsa. This location places Owasso within a dynamic region influenced by urban growth and suburban development linked closely to the Tulsa metropolitan area.

1.2.1 Historical Background

At the dawn of the 20th century, the Atchison, Topeka, and Santa Fe Railroad line terminated in a field northeast of Tulsa. This railroad terminus spurred the development of the surrounding area, initially known as Elm Creek, named after the nearby tributary of Bird Creek. The community later adopted the name Owasso, derived from the Osage Indian word meaning "the end" or "turnaround," reflecting its status as a railroad endpoint.

Owasso was first incorporated as a town in 1881 under the laws of Indian Territory, situated within the Cooweescoowee District of the Cherokee Nation. Its original town site was formally platted and renamed from Elm Creek to Owasso on March 6, 1904, following approval by the United States Secretary of the Interior. The early layout consisted of three streets running north-south and eight streets running east-west. The city later received its official charter under the State of Oklahoma on September 28, 1972, marking its transition into a modern municipality.

1.2.2 Geographic and Environmental Context

Owasso is part of the Osage Cuestas sub-region within the Great Plains ecoregion as defined by the U.S. Environmental Protection Agency (EPA). This ecoregion is characterized by gently rolling plains and low hills composed of sandstone, shale, and limestone formations. While much of the area is now developed, the native ecosystems historically consisted of grass prairies and oak-hickory forests, providing important natural habitats and green space.

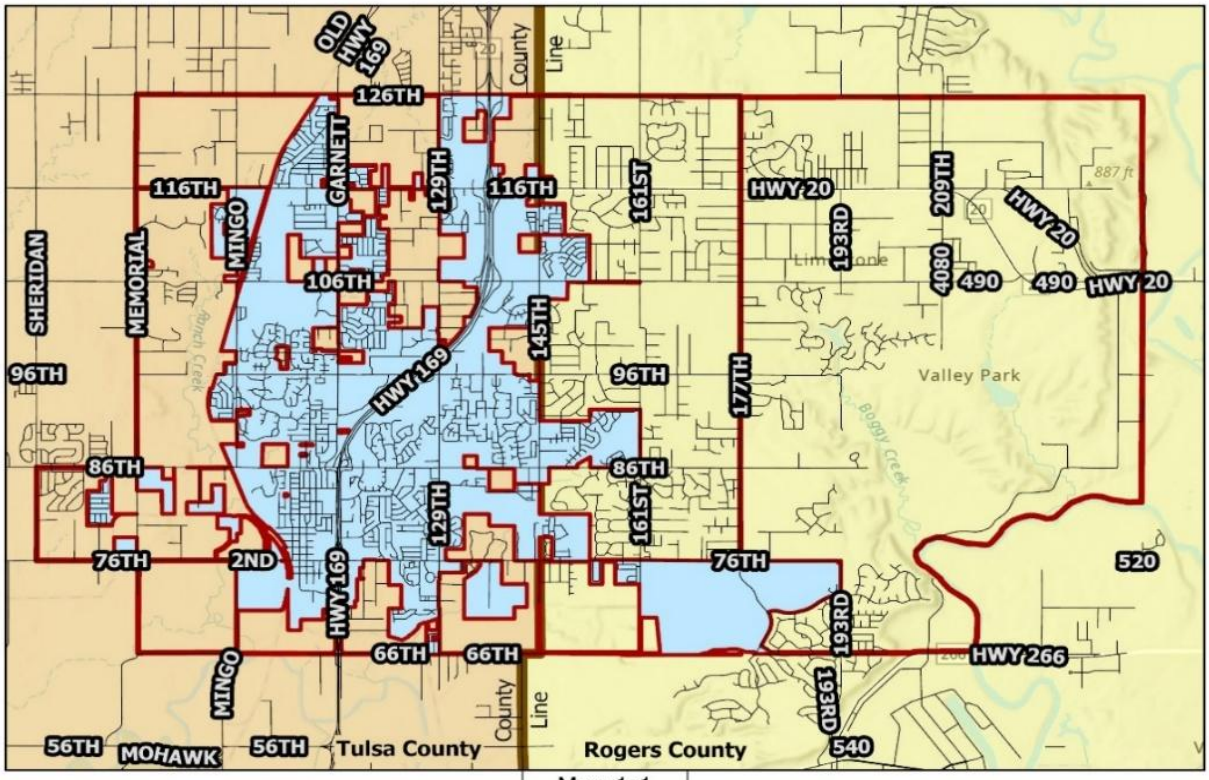
1.2.3 City Size and Demographics

Currently, Owasso covers an incorporated area of approximately 16.82 square miles, with an additional 58.53 square miles included within its fence-line jurisdiction. This expansive geographic footprint makes Owasso the third largest city by area within the Cherokee Nation. Additionally, Owasso ranks sixth in terms of the number of Cherokee individuals residing within its limits, with a Cherokee population of 5,710, reflecting the city's significant cultural and historical ties to the Cherokee Nation.

Summary

Owasso's rich historical roots, geographic location, and evolving community profile position it as a key city in northeastern Oklahoma. Its blend of suburban growth, cultural heritage, and ecological landscape shapes both its development trajectory and its ongoing planning efforts. The city's incorporation within two counties and its role within the Cherokee Nation also underscore the complexity and diversity of its governance and community identity.

City of Owasso
City Limits and Fenceline



Map 1:1

Owasso Area Statistics

Owasso encompasses an incorporated area of 16.82 square miles (as of February 2024).

Owasso fenceline encompasses 58 square miles.

Legend

- City Limits with Fenceline
- Streets

N

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Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, and ESRI.

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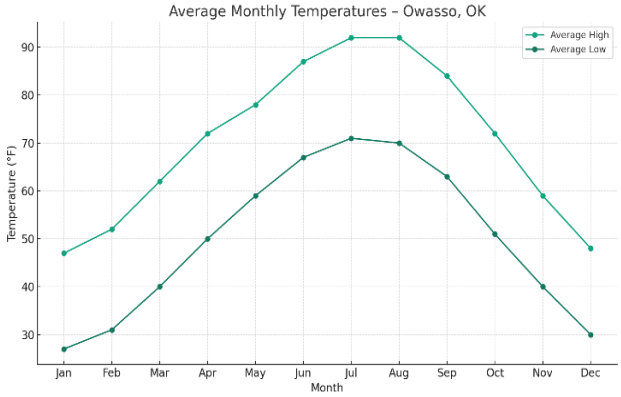
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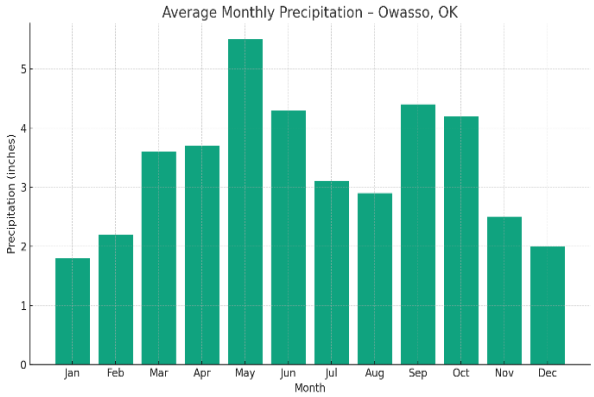
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1.3 Climate

Owasso, Oklahoma, experiences a humid subtropical climate, characterized by hot, humid summers and mild to cool winters. This climate type results in a wide range of seasonal weather patterns that influence the city's vulnerability to various natural hazards.

Annual temperatures in the region range from lows in the mid-20s (°F) during winter months to highs exceeding 95°F in summer. The area typically receives an average of 40 to 45 inches of precipitation annually, most of which falls during the spring and early summer months. Periods of intense rainfall can lead to flash flooding, particularly in low-lying areas and along creeks and drainage channels.





Severe weather is a defining feature of Owasso's climate. The region lies within "Tornado Alley," making it highly susceptible to severe thunderstorms, tornadoes, large hail, and damaging straight-line winds, particularly between March and June. The city also experiences winter storms, including freezing rain, sleet, and snow, which can disrupt transportation, damage infrastructure, and cause widespread power outages.

Drought is another recurring climatic concern. Extended periods of below-average precipitation, especially during summer, can affect water supply, agriculture, and increase the risk of grass and wildfires.

Climate trends and projections indicate a potential increase in extreme heat events, more intense rainfall episodes, and greater variability in seasonal weather, all of which may intensify local hazard vulnerabilities in the coming decades. These factors highlight the importance of adaptive planning and mitigation strategies that address both current and future climate conditions.

1.4 Demographics

The City of Owasso, situated in northeastern Oklahoma, is experiencing rapid growth and development, making it one of the dynamic communities in the region. With an estimated population of around 40,000 residents, Owasso has seen a consistent upward trend in population over the last two decades, driven primarily by its close proximity to Tulsa, attractive quality of life, and expanding economic opportunities.

1.4.1 Population Characteristics

- **Total Population:** Approximately 40,000 residents
- **Population Growth Rate (Past 10 Years):** Roughly 20% increase, indicating strong and sustained growth
- **Median Age:** About 35 years, reflecting a relatively young demographic with a significant number of young families
- **Average Household Size:** 2.8 persons per household, pointing to family-oriented living arrangements
- **Median Household Income:** Approximately $80,000, suggesting a relatively affluent community with economic stability
- **Poverty Rate:** Around 6%, which is below the national average, but still a vital consideration for community planning

1.4.2 Demographic Insights

Owasso's population is characterized by a youthful and family-centered demographic structure. A large proportion of the community consists of residents under 18 years old, highlighting the importance of schools, recreational facilities, and family services in the city's infrastructure planning. Additionally, the strong presence of working-age adults fuels the local economy and drives demand for housing, commercial development, and transportation improvements.

This growing population diversity necessitates continuous updates to community resources and hazard mitigation planning to ensure safety, resilience, and equitable access to services for all residents as the city expands.

1.4.3 Vulnerable Populations

Effective hazard mitigation and emergency planning require identifying and understanding the specific needs of populations that are disproportionately impacted by disasters. In Owasso, several groups have been recognized as particularly vulnerable due to factors such as age, health, economic status, language barriers, and housing stability. Addressing their unique challenges is critical to ensuring equitable safety and resilience across the community.

Key Vulnerable Groups

- **Elderly Residents (Age 65 and Over):**
  Older adults often face mobility limitations, chronic health conditions, and social isolation, which can hinder their ability to evacuate, access emergency services, or recover after a disaster. Ensuring their needs are met requires specialized transportation options, accessible shelter facilities, and health support during emergencies.
- **Individuals with Disabilities:**
  People with physical, sensory, cognitive, or other disabilities may require alternative methods for receiving emergency warnings, assistance with evacuation, and continuous access to medical devices or medications. Communication accessibility (e.g., sign language, Braille, simplified instructions) and barrier-free shelters are critical components of planning.
- **Low-Income Households:**
  Economic challenges can limit the ability of low-income residents to prepare for disasters, recover from damage,

or relocate if needed. Substandard housing, lack of insurance, and limited transportation compound these risks. Programs that provide financial assistance, emergency supplies, and targeted outreach help reduce disparities.

- **Non-English Speaking Populations:**
  Language barriers can obstruct timely access to critical emergency information and services. Owasso must ensure multilingual communication strategies, culturally appropriate outreach, and translation services during disaster response to reach these populations effectively.
- **Renters and Mobile Home Residents:**
  Renters often lack control over property modifications that improve hazard resistance. Mobile homes, in particular, are vulnerable to wind and flooding hazards. Outreach efforts tailored to these residents, including education on preparedness and evacuation, are essential.

1.4.4 Strategies for Equitable Planning

Recognizing these vulnerable populations allows Owasso to implement targeted measures, such as:

- **Tailored Outreach:**
  Developing educational materials and programs suited to the specific needs of each group, using accessible formats and diverse communication channels.
- **Accessible Sheltering:**
  Ensuring shelters accommodate mobility aids, service animals, language needs, and medical requirements, while also being located to serve vulnerable neighborhoods effectively.
- **Inclusive Communication:**
  Utilizing multiple languages, clear signage, and alternative communication methods to ensure all residents receive timely warnings and guidance.
- **Coordination with Community Partners:**
  Working with local nonprofits, health providers, advocacy groups, and faith-based organizations to reach vulnerable populations and deliver support before, during, and after disasters.

By integrating these considerations into hazard mitigation and emergency response plans, Owasso commits to protecting its most vulnerable residents and promoting community-wide resilience through inclusive, equitable approaches.

1.5 Land Use and Housing

Owasso's land use reflects a well-balanced blend of residential, commercial, and public infrastructure, shaped by ongoing suburban growth that continues to influence the city's physical and social landscape. This diverse land use pattern supports a range of community functions, from housing and employment to recreation and public services, forming the foundation for sustainable development and resilience.

1.5.1 Residential Development Trends

In recent years, housing development has accelerated significantly, accommodating a growing population through a variety of dwelling types, including:

- **Single-family homes:** Predominantly owner-occupied, these provide the primary housing stock in Owasso's suburban neighborhoods, often characterized by moderate to larger lot sizes.

- **Multi-family dwellings:** Apartments, townhomes, and condominiums offer more affordable and flexible housing options, supporting a portion of the population that may include younger adults, small families, and seniors.
- **Senior living communities:** Specialized housing facilities designed to meet the needs of elderly residents, including assisted living and independent living options, are increasingly present to support the aging population.

This diversity in housing types ensures options for various socioeconomic groups but also introduces different levels of vulnerability to hazard impacts, particularly for renters and elderly populations who may have fewer resources or mobility challenges.

1.5.2 Homeownership vs. Renting

While homeownership remains the dominant form of residence for most Owasso residents, it is estimated that 25–30% of the population are renters. Renters often face distinct vulnerabilities compared to homeowners, including:

- Limited ability to modify or retrofit their homes for hazard resistance (e.g., securing windows, reinforcing structures)
- Reduced access to emergency preparedness information tailored to rental housing
- Potential instability related to housing tenure, which may affect recovery and relocation after disaster events
- Financial constraints that limit resources for preparedness and recovery

These factors highlight the necessity for hazard mitigation strategies that are inclusive and equitable, addressing the particular needs of both homeowners and renters alike.

1.5.3 Importance of Demographic Profile in Planning

Understanding the age distribution of Owasso's population is fundamental to crafting effective hazard mitigation and emergency response plans. The community includes:

- **Youth:** Children and teenagers who require specialized education and outreach programs to foster awareness of hazards and preparedness behaviors. Schools and youth centers serve as key venues for such efforts.
- **Working-age adults:** This group represents the primary workforce and caregivers. Protection of their livelihoods and support for their emergency responsibilities (e.g., childcare, elder care) is vital during hazard events.
- **Seniors:** Older adults, especially those with mobility or health challenges, require targeted support, including accessible evacuation assistance, medical care continuity, and social services.

By analyzing population age data, the City can better allocate resources and design mitigation initiatives that effectively protect these distinct groups. For example, youth-centered educational campaigns can build long-term community resilience, while specialized programs for seniors can ensure their safety and well-being during emergencies.

1.5.4 Integrating Land Use and Demographics into Hazard Mitigation

Owasso's hazard mitigation planning recognizes the interplay between land use patterns and demographic characteristics. As the city continues to grow and diversify, mitigation efforts will focus on:

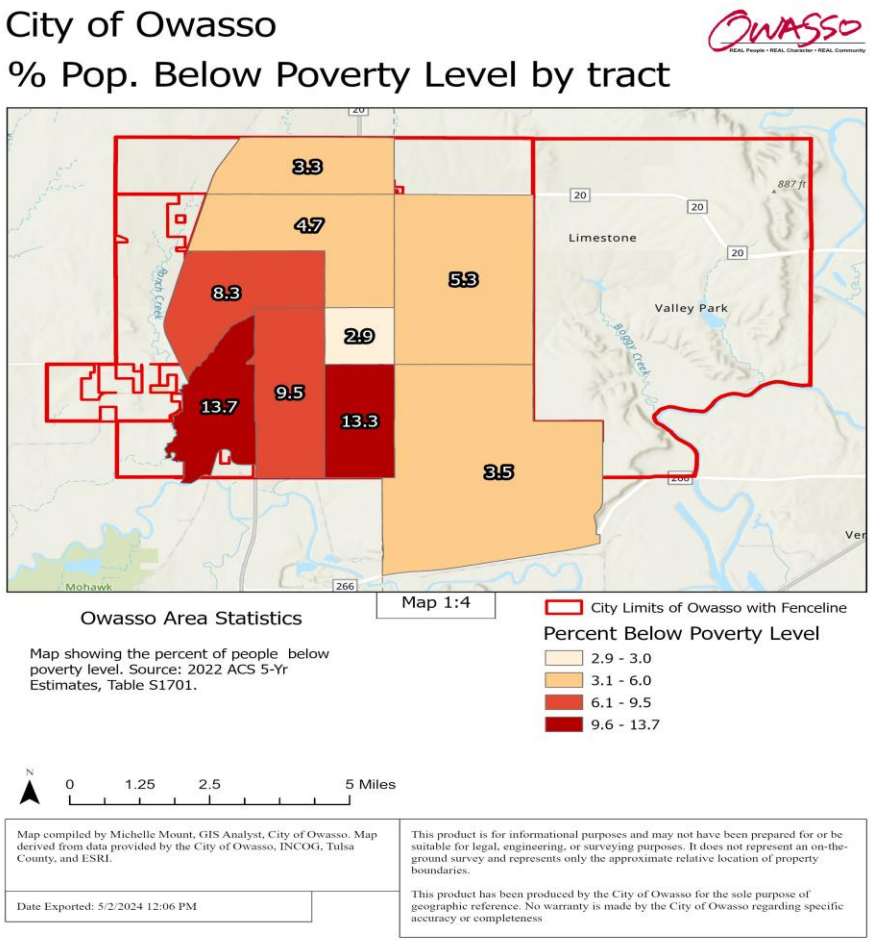
- Promoting safe building practices and land use controls that reduce risks in vulnerable areas

- Enhancing access to emergency information and preparedness resources for renters and low-income households
- Developing outreach and support programs tailored to the needs of youth, working adults, and seniors
- Coordinating with housing developers and property managers to integrate hazard resilience into new and existing housing stock

In conclusion, Owasso's land use and housing dynamics, coupled with its demographic profile, form critical components of a comprehensive hazard mitigation approach. Prioritizing inclusive strategies that address the diverse needs of the community's residents will strengthen the city's capacity to prepare for, respond to, and recover from disaster events effectively.

1.5.5 Individuals Living Below the Federal Poverty Line

Individuals and families living below the federal poverty level often face a range of challenges that elevate their vulnerability to natural hazards and complicate recovery efforts. According to the U.S. Census Bureau's 2022 American Community Survey (ACS) 5-Year Estimates (Table S1701), approximately 2,646 residents in Owasso, or about 7.1% of the total population, live below the poverty threshold.



1.5.6 Factors Increasing Vulnerability

- **Substandard Housing and Infrastructure:**
  Low-income households are more likely to reside in older, poorly maintained, or inadequately constructed housing that may not meet current building codes or hazard-resistant standards. These homes are often less resilient to extreme weather events such as tornadoes, hailstorms, floods, or earthquakes, resulting in a higher likelihood of structural damage and increased risk to occupants.
- **Location in High-Risk Areas:**
  Economic constraints may force low-income residents to live in neighborhoods more prone to natural hazards, such as floodplains, areas with limited drainage infrastructure, or locations near industrial sites. These areas may also lack adequate emergency infrastructure and services, increasing residents' exposure and reducing their capacity to respond to disasters.
- **Limited Access to Preparedness Resources:**
  Financial hardship often restricts access to emergency supplies, hazard mitigation measures (such as storm proofing or flood-proofing homes), and transportation needed to evacuate when necessary. Additionally, awareness campaigns and preparedness programs may not effectively reach these populations, especially if language barriers, literacy levels, or mistrust of authorities exist.
- **Health and Social Services Barriers:**
  Low-income populations frequently face challenges in accessing healthcare, mental health services, and social supports before and after disaster events. Chronic health conditions, disabilities, or lack of insurance can worsen disaster impacts and delay recovery.

1.5.7 Recovery Challenges

- **Prolonged Recovery Periods:**
  Financial limitations reduce the ability to quickly repair or rebuild damaged property, replace lost belongings, or temporarily relocate. Many low-income families rely on limited savings, and may have difficulty accessing insurance or disaster assistance programs due to application complexities or eligibility issues. This can result in longer displacement periods and increased economic instability.
- **Economic and Employment Disruption:**
  Disasters can interrupt employment opportunities, particularly for those in low-wage or hourly jobs without paid leave or job security. This loss of income further exacerbates financial strain during recovery.

1.5.8 Disproportionate Impacts and the Need for Equity

Research consistently shows that low-income populations, especially when intersecting with communities of color, bear disproportionate burdens during and after disasters. These groups often live in older, denser, and higher-risk neighborhoods with poorer housing quality and reduced access to essential services, leading to increased vulnerability to:

- Property damage
- Injury and illness
- Psychological trauma
- Loss of life

Recognizing these disparities underscores the critical importance of incorporating equity into hazard mitigation and emergency planning. This means:

- Prioritizing investments in infrastructure and hazard-resistant improvements in vulnerable neighborhoods
- Ensuring emergency communication and preparedness education are accessible, culturally appropriate, and effectively disseminated
- Facilitating access to financial assistance and recovery resources for low-income residents
- Engaging these populations directly in planning processes to address their unique needs and barriers

Conclusion

Addressing the vulnerabilities faced by individuals living below the poverty line is essential for building a safer, more resilient Owasso. Equitable hazard mitigation strategies that intentionally focus on the needs of low-income populations can reduce risks, improve preparedness and response outcomes, and foster a more inclusive recovery process that benefits the entire community.

1.5.9 Multilingual Public Education and Hazard Outreach

Residents who speak a language other than English may require multilingual outreach to understand hazard warnings and respond effectively. According to the U.S. Census Bureau's 2022 ACS 5-Year Estimates (Table S0601), 7.4% of Owasso's population over the age of five speaks a language other than English at home. Among children under the age of five, 2.2% were reported to speak English "less than very well." These figures highlight the importance of providing hazard communication and emergency information in multiple languages. Incorporating multilingual outreach into Owasso's hazard mitigation planning ensures that all residents, including non-English speakers, have access to critical safety guidance and can take appropriate actions during emergencies. underscore the importance of inclusive communication strategies in emergency preparedness and response planning.

Multilingual Hazard Communication

- **Issue:** Residents who speak a language other than English may not fully understand hazard warnings.
- **Data:** 7.4% of Owasso residents over age five speak a non-English language at home; 2.2% of children under five speak English "less than very well" (2022 ACS).
- **Action:** Develop multilingual outreach materials for hazard warnings, emergency alerts, and preparedness guidance.
- **Expected Outcome:** All residents, including non-English speakers, can understand and respond effectively to hazards, improving community resilience.

1.5.10 Educational Attainment and Community Preparedness

Educational attainment in Owasso reflects a well-educated population relative to state and national averages. According to the U.S. Census Bureau's 2022 American Community Survey (ACS) 5-Year Estimates, approximately 86% of residents aged 25 and older have earned a high school diploma or higher, while around 32% hold a bachelor's degree or higher. The city is served by the Owasso Public School District, which offers a range of educational programs from pre-kindergarten through high school. Several nearby institutions of higher education also contribute to the community's access to post-secondary opportunities. Educational attainment influences residents' access to information, risk awareness, and ability to respond to emergency communications, making it an important factor in hazard mitigation planning.

1.5.11 Racially Marginalized Populations

- **Intersection with Other Vulnerabilities:**
  Racially marginalized groups often face compounded challenges that increase their vulnerability during disasters and emergencies. These challenges frequently overlap with other socioeconomic factors identified by the planning team, including:
  - **Poverty:** Economic hardship can limit access to safe housing, transportation, healthcare, and recovery resources.
  - **Limited Educational Opportunities:** Lower educational attainment can reduce awareness of hazard risks, preparedness measures, and available assistance programs.
- **Historical and Systemic Barriers:**
  Longstanding systemic inequalities and historical marginalization have led to reduced access to critical resources and services for many racial minorities. This may include:
  - Limited economic opportunities
  - Reduced political representation and influence
  - Barriers to healthcare and social services
  - Housing in higher-risk or underserved neighborhoods
- **Impact on Mitigation and Recovery Efforts:**
  Due to historical experiences and ongoing disparities, some racially marginalized populations may exhibit:
  - **Distrust of Authorities:** Past injustices and discrimination can foster mistrust toward government agencies or emergency responders, which may hinder participation in mitigation programs, evacuation orders, or recovery initiatives.
  - **Communication Barriers:** Language differences or lack of culturally appropriate messaging can limit the effectiveness of hazard communications and emergency alerts.
- **Community Strengths and Resources:**
  Despite these challenges, many racially marginalized communities, including Native American Tribal citizens, possess unique cultural strengths and community networks that can be valuable assets in reducing vulnerability and supporting resilience:
  - Tribal governments and organizations often have established emergency plans and mutual aid agreements tailored to their community's specific needs.
  - Strong inter-community ties can facilitate rapid sharing of information and resources during disasters.
  - Traditional knowledge and practices may contribute to sustainable land and hazard management.
- **Planning Implications:**
  Effective hazard mitigation planning should:
  - Recognize and address the historic and systemic inequities faced by racially marginalized populations.
  - Engage these communities in planning processes through trusted community leaders and culturally sensitive outreach.
  - Ensure emergency communications are accessible, multilingual, and culturally relevant.
  - Partner with tribal governments and organizations to leverage their resources and expertise.

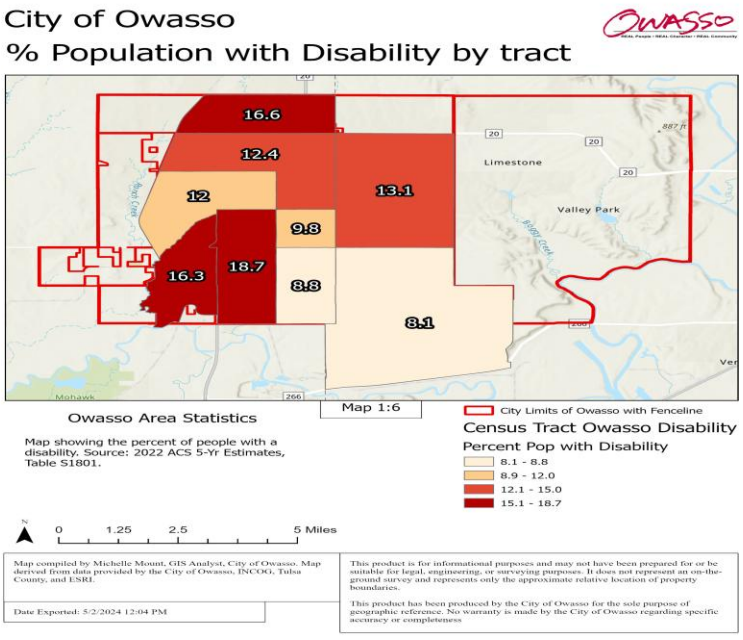
This comprehensive approach can help reduce disparities in disaster impacts and improve equitable access to mitigation, preparedness, and recovery resources across all populations in Owasso.

1.5.12 People with Disabilities

- **Definition of Disability:**
  According to the American Community Survey (ACS), disability includes a range of functional difficulties such as:
  - Hearing impairments

  - Vision impairments
  - Ambulatory (mobility) challenges
  - Cognitive limitations
  - Difficulties with self-care
  - Challenges with independent living
- **Population Estimates:**
  - Based on the U.S. Census Bureau's 2022 ACS 5-Year Estimates (Table 1810), approximately **4,934 individuals** in the City of Owasso are reported to have a disability.
  - This number represents about **13.1%** of Owasso's total population.
- **Emergency Support Needs:**
  People with disabilities may require specialized support during emergencies, including but not limited to:
  - **Alternative Warning Systems:** Standard emergency alerts may not be accessible to all; some individuals may need visual, auditory, or tactile alerting methods.
  - **Assistance During Isolation:** During disasters, people with disabilities might face challenges related to isolation or mobility that necessitate additional care or communication.
  - **Continuous Power Supply:** Many individuals rely on life-sustaining medical or assistive equipment that requires uninterrupted electricity. Power outages can pose severe risks.
  - **Evacuation Assistance:** Evacuation plans must account for those with mobility or cognitive challenges, ensuring accessible transportation and support during evacuation procedures.
- **Planning Considerations:**
  Emergency preparedness and response efforts in Owasso should incorporate the needs of people with disabilities to enhance safety and resilience, including:
  - Inclusive communication strategies
  - Coordination with disability service organizations
  - Training of emergency personnel on disability awareness
  - Accessible shelters and resources

This overview highlights the importance of inclusive emergency planning that addresses the unique vulnerabilities and needs of individuals with disabilities within the community.



1.5.13 Unhoused Population

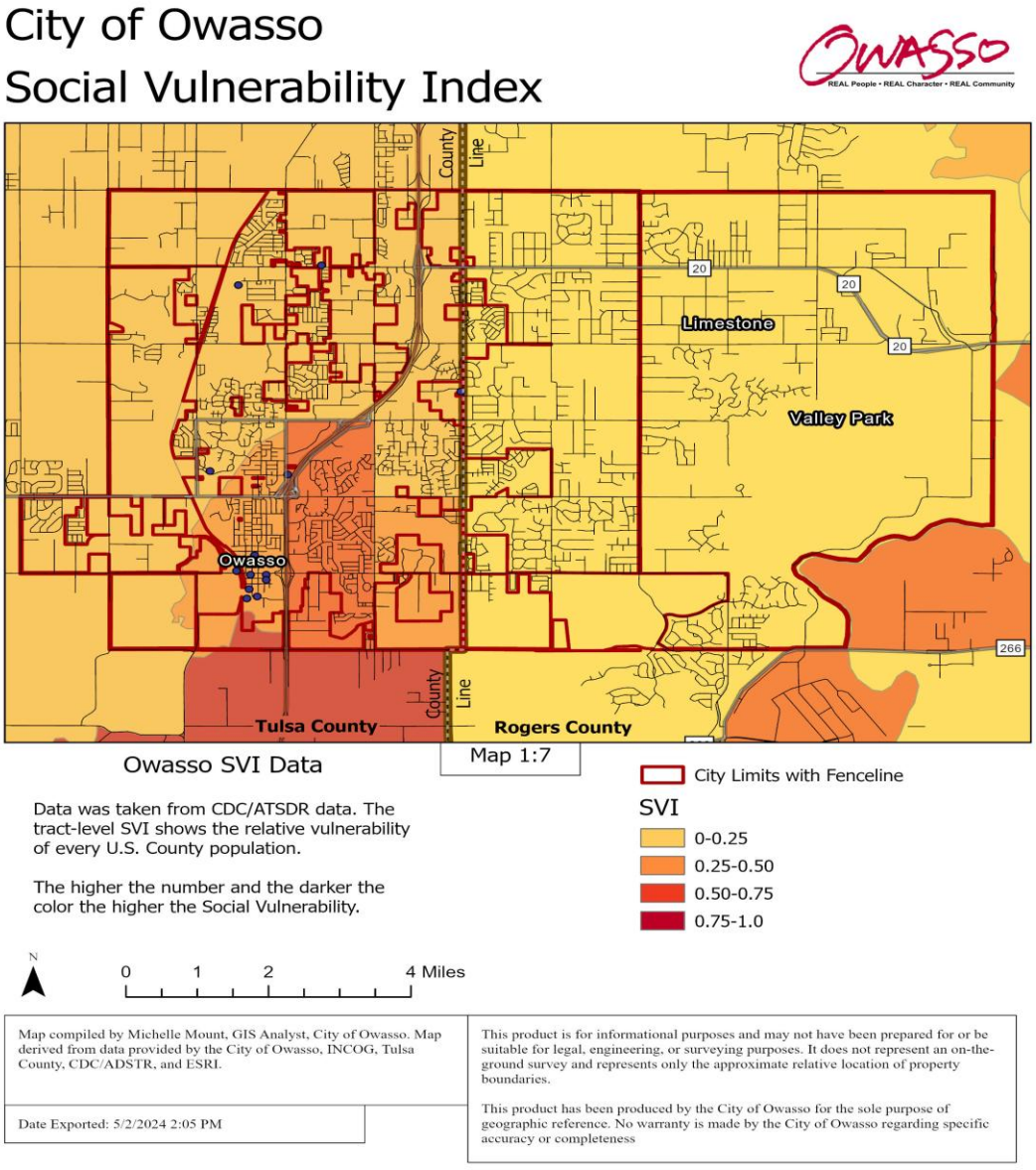
- **Estimated Number:** Approximately 80 individuals in Owasso are estimated to be unhoused.
- **Data Source and Methodology:**
  - This estimate is based on data from the U.S. Department of Housing and Urban Development (HUD).
  - The percentage of unhoused persons in Tulsa County was applied proportionally to Owasso's population to arrive at this figure.
- **Limitations of Estimate:**
  - The figure may be overstated due to the differences in the urban characteristics of Tulsa County compared to Owasso's predominantly suburban setting.
  - Additionally, there is no specific data for Rogers County, which is more rural and includes parts of Owasso's city limits, potentially affecting accuracy.
  - Despite these limitations, this estimate represents the best available determination based on current data.
- **Risks for Unhoused Individuals:**
  - They face heightened risks during disasters due to:
    - Limited access to safe shelter and stable housing.
    - Reduced availability of reliable transportation options.
    - Challenges in receiving timely and accurate emergency information.
  - These factors contribute to increased exposure to environmental hazards and limited access to healthcare and recovery resources.
  - Both immediate disaster response and long-term recovery efforts are more difficult for this vulnerable group.

1.5.14 Social Vulnerability Index (SoVI)

- **Definition:**
  Social vulnerability refers to the characteristics of a community that influence its capacity to prepare for, respond to, and recover from disasters. It encompasses a range of social factors that affect how populations experience and cope with hazards.
- **Key Social Factors Considered:**
  - Age
  - Race and ethnicity
  - Gender
  - Education levels
  - Access to transportation
  - Crowded or inadequate housing conditions
  - Disabilities
  - Financial resources
  - Housing status
- **Importance of Social Vulnerability:**
  - Populations with higher social vulnerability are at increased risk during public health emergencies and disasters.
  - They often have fewer resources and less capacity to mitigate harm or recover quickly.
- **Social Vulnerability Index (SoVI):**
  - Developed by the U.S. Centers for Disease Control and Prevention (CDC) in collaboration with the Department of Health and Human Services.

- Utilizes Census data to measure and rank social vulnerability at the U.S. Census tract level based on 15 social factors.
- SoVI is a comparative tool that highlights geographic variations in social vulnerability across counties and regions.

- **Uses of SoVI:**
  - Helps policymakers and emergency management practitioners identify areas with uneven preparedness and response capacity.
  - Guides allocation of resources to communities where vulnerability is highest and mitigation efforts are most needed.
  - Serves as an indicator for differential recovery rates among communities post-disaster, assisting in targeted recovery planning.



Chapter 2:
The Planning Process

2.1 Planning Process Activities, Timeline and Milestones

The City of Owasso and Owasso Public Schools Hazard Mitigation Planning Team was formed to provide guidance and review during the preparation of this plan. The initial plan was adopted in August of 2004. An updated version of the plan was adopted in July, 2014.

A series of meetings were held during the period from April, 2019 to September, 2019 to work on plan updates. Public outreach was also conducted during that period to solicit input from citizens. Appendix 2 contains meeting attendance records and minutes for this period. A public survey was also placed on the City's website. Two Hundred and Twenty-five responses were received. Results of this survey are included as Appendix 3.

Prior to the development of a draft updated plan in 2019, the Covid-19 Pandemic swept across the United States and the ability to continue in-person meetings was suspended. While most of the time and efforts of the planning team members were devoted to the everyday management of the pandemic, some members did manage to continue to keep refreshed on the plan contents. During this period, the planning team experienced changes in personnel as did the partnering and stakeholder organizations.

Beginning in 2021, the City of Owasso's Emergency Management met individually with selected stakeholders and planning team members to re-start the process of research and plan drafting.

In September, 2023, the Planning Team was rejuvenated and began diligent work on this revised plan. The steps outlined in Federal Emergency Management Agency (FEMA) publication *Local Mitigation Planning Handbook May 2023* were followed in the development of this plan. A series of meetings were held during the period from February, 2024 to September, 2024 to work on plan updates. Public outreach was also conducted during that period to solicit input from citizens. Appendix 2 contains meeting attendance records and minutes for this period. A public survey was also placed on the City's website. Two Hundred and Twenty-five responses were received. Results of this survey are included as Appendix 4.

2.2 Involvement and Coordination with Agencies and Stakeholders during the Planning Process

The Owasso Emergency Management contacted City Department Directors, their deputies/assistants, and key staff members and invited them along with School representatives to a briefing which was held on February 8, 2024. This briefing presented an overview of the existing plan and processes that had been previously implemented as well as current planning requirements and capabilities. Members were given the opportunity to update the jurisdiction and identify hazards and their impact on the community.

2024 Planning Team Members and their contributions to the process are listed in the following table:

Name	Organization	Position	How they contributed to the planning process
Atchison, Jeff	City of Owasso	Risk Management Director	Participated in planning team meetings, providing input on hazards and risk management. Provided information on critical city facilities
Beemer, Alexa	City of Owasso	Planning Manager	Attended Planning Team meetings. Provided planning and zoning information.
Blundell, Travis	City of Owasso	Assistant Public Works Director	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.
Boatman, Nick	City of Owasso	Police Lieutenant	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.
Coates, Dr. Margaret	Owasso Public Schools	Superintendent of Schools	Provided school policy guidance. Shepherded the plan through the adoption process by the School Board.
Croft, Paul	Owasso Public Schools	Director of Safety and Security	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.
Dempster, Brian	City of Owasso	Community Development Director	Attended Planning Team meetings, facilitate briefing and input from City Planning Com-mission; provided input on hazard/risk assessment and strategy.
Dossett, JJ	City of Owasso	Assistant to City Manager	Attended planning Team meetings; assisted with outreach to and input from civic groups and the public.
Fowler, Jerry	City of Owasso	Strong Neighborhoods Coordinator	Attended planning Team meetings; assisted with outreach to and input from neighborhood groups.
Garrett, Chris	City of Owasso	City Manager	Provided city policy guidance. Shepherded the plan through the adoption process by the City Council.
Goldstein, Arami	City of Owasso	Assistant Fire Chief	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.
Haddaway, Art	City of Owasso	Marketing & Communication Specialist	Provided input on strategy and served as a link to community organizations & citizens.
Henderson, Dwayne	City of Owasso	City Engineer, Floodplain Manager	Attended Planning Team Meetings; provided assistance and information related to floodplains and floodplain management; assisted with strategy development
Hinkle, Marilyn	City of Owasso	Historical Museum Coordinator	Provided information on cultural and historical properties in the planning area.

Hurst, David	City of Owasso	Fire Chief	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items
Lynch, Donald	City of Owasso	Emergency Management	Team Leader; led discussion of the planning process and team actions/input; author of the plan document.
Knowlton, Mark	Owasso Public Schools	Director of Construction	Attended Planning meetings and provided input on Mitigation actions and projects for schools.
Kramer, Wendy	City of Owasso	City Planner	Attended Planning team Meetings. Provided land use data and other technical data and input on projects
Mount, Michelle	City of Owasso	GIS Specialist	Provided mapping and GIS technical assistance.
Neyman, Andrew	City of Owasso	Information Technology Director	Attended Planning Team meetings; providing input and technical assistance on technology hazards/impacts.
Novozinsky, Carly	City of Owasso	Finance Director	Attended Planning Team meetings and provided input on financial considerations for projects.
Stevens, Julieann	City of Owasso	City Clerk	Attended Planning Team meetings, provided assistance with scheduling and recording public meetings.
Stevens, Roger	City of Owasso	Public Works Director	Attended Planning Team Meetings, provided input on Hazards/Severity Ranking and action Items.
Trout-Lombardi, Julie	City of Owasso	City Attorney	Provided legal review of document
Yancey, Daniel	City of Owasso	Police Chief	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.
Yokley, Brad	Owasso Public Schools	Director of Operations	Attended Planning Team meetings; provided input on Hazards/Severity Ranking and action items.

The Planning Team Coordinator contacted neighboring communities, Native American tribes, local, State, and Federal agencies, businesses, private, and non-profit organizations, hereinafter referred to as Stakeholders. Representatives of these organizations were invited to review their existing studies, reports, technical information, goals, and needs and provide input to the draft plan.

The following agencies were requested to provide subject matter regarding their existing studies and information for their own hazard profiles:

Name	Organization	Position	How they Were Invited	How they contributed to the planning process
Browning, Savannah	Medxcel (Ascension St. John's Hospital - Owasso Campus)	Safety Officer	E-Mail Invitation	

Cowling, Randy	Owasso Community Resources	Executive Director	E-mail Invitation	
Davis, Keith	Owasso Mission Center	Missions Pastor	E-Mail Invitation	
Dunbar, Cole	Bailey Medical Center	Operations Specialist	E-Mail Invitation	
Fowler, Daren	Medxcel (Ascension St. John's Hospital - Owasso Campus)	Regional Emergency Management Officer	E-Mail Invitation	
Gardner, Dwayne	Tulsa Technology Center Owasso Campus	Assistant Director	E-Mail Invitation	
Krilachek, Joe	Tulsa Area Emergency Management Agency	Executive Director	E-Mail Invitation	Provided a copy of their plan for review and consultation.
Levo-Feary, Chelsea	Owasso Chamber of Commerce	President and CEO	E-Mail Invitation	.
McGeady, Kendra	Pelivan Transit	Transit Director	E-Mail Invitation	
Stokes, Scotty	Rogers County Emergency Management	Director	E-Mail Invitation	Provided a copy of their plan for review and consultation.
Tanner, Amy	Cherokee Nation of Oklahoma	Emergency Management Director	Personal Contact	Provided information on tribal strategies and a copy of their plan.
Waters, Rev. Chris	St. Paul's Anglican Church of Owasso	Pastor	E-Mail Invitation	Provided outreach to Owasso Ministerial Association and consulted on strategy as an Owasso citizen

The following State and Federal Officials were contacted to contribute to the planning process:

Name	Title	Agency Represented	How They Were Contacted	Contributions to the Plan
Sugang, Yohannes	NFIP State Coordinator	Oklahoma Water Resources Board	Telephone Call	Provided list of High-Hazard Dams affecting the jurisdiction and copies of certain dam breach emergency action plans not currently on file

Cox, Shel	Chief of Emergency Management	Tulsa District, U.S. Army Corps of Engineers	Personal Contact by EM	Supplied updated Dam Breach Emergency Action Plans for Corps of Engineers Projects Also provided input on review of strategy.
Calianese, Ed	Warning Coordination Meteorologist	Tulsa National Weather Service Forecast Office	Personal Contact by EM	Provided/Reviewed information on weather hazards Also provided input on review of strategy as a citizen of our community.

2.3 Community Involvement

During the 2024 period, the public was invited to attend the Planning Team meetings. All public meetings were designed to encourage and invite input from private citizens and local officials. The public was invited to attend through postings on the city website and at City Hall. Attendance rosters and minutes from these meetings is included as Appendix 2.

A presentation was made to the Owasso Strong Neighborhoods Initiative. The plan background and hazard analysis were discussed, and an invitation was issued to those in attendance to participate in the Planning Team meetings and/or provide input to the team. No feedback was received.

A public survey was placed on the City of Owasso's website in 2024.

The public was invited to participate in the process via a page posted on the City's Emergency Management website, where they could take a survey about how hazards had affected their neighborhood; review the draft plan; contribute pictures for use in the draft; and learn about public meetings they could attend. Continuing to solicit public feedback is a critical component of plan implementation. Citizens of Owasso and patrons of Owasso Public schools shall be invited to comment on the plan and shall be given an opportunity for on-line feedback as well as contact information for the Emergency Management. Social media, newsletters, and websites will be used to invite the public to participate. Planning Team meetings will be open to the public. Meeting notices will be published through the City Clerk's Office in accordance with the Oklahoma Open Meetings Act when those meetings are held.

2.4 Bibliography of Literature Used in Planning

References and Source Materials

A wide range of literature and resources were consulted to identify mitigation measures for each hazard. These references include both items directly used in preparing this plan and materials of potential interest to the Planning Team. The inclusion of a resource does not imply endorsement.

1. Birch Lake Dam Emergency Action Plan. Tulsa District, U.S. Army Corps of Engineers, Tulsa, OK. June 2022.
This Emergency Action Plan was reviewed to understand dam safety protocols and potential downstream inundation. Information on inundation zones supported the dam failure hazard profile and reinforced Owasso's planning for

cascading impacts on utilities and transportation routes.
Sections: 3.3.1 Dam Failure Profile

2. City of Tulsa Hazard Mitigation Plan. City of Tulsa, Tulsa, OK. 2024.
The Tulsa HMP provided regional context for hazard trends and best practices in mitigation actions. Owasso's plan integrated lessons learned on stormwater management and community outreach for flooding and tornado hazards.
Sections: 3.3.4 and 3.3.7

3. Cleveland County Hazard Mitigation Plan. Cleveland County, Norman, OK. 2020.
This plan informed the comparative hazard ranking approach and methodology used in Owasso's Risk Assessment. Hazard definitions and vulnerability assessment techniques were adapted for local use.
Sections: 3.3.5

4. Disaster Mitigation Guide for Business and Industry (FEMA-190). FEMA, Washington, DC. 1990.
Although dated, this guide provided examples of private-sector preparedness and continuity planning. Elements were incorporated into mitigation actions encouraging business resilience.
Sections: 4.4 Mitigation Actions

5. FEMA Region 6 Oklahoma Mitigation Assistance Resource Guide. FEMA Region 6, Denton, TX. November 2020.
This guide outlined funding mechanisms available to Oklahoma communities. It was used to identify potential grant opportunities for priority projects.
Sections: 4.4 Mitigation Actions

6. Flood Insurance Rate Maps (FIRMs) and Risk MAP Products. FEMA, Washington, DC. Accessed 2023.
FIRMs and Risk MAP depth grids were incorporated directly into the flood hazard profile. Floodplain boundaries and base flood elevations supported exposure analysis of critical facilities and vulnerable populations.
Sections: 3.3.4

7. GrOwasso 2035 Land Use Master Plan. City of Owasso, Owasso, OK. August 2022.
Future land use designations were overlaid with hazard layers to evaluate where growth may intersect with floodplains and severe weather exposure. This shaped mitigation actions addressing resilient growth management.

8. Hazard Identification and Risk Assessment. Cleveland County Health Department, Norman, OK. 2021.
This assessment provided methodological insight for hazard profiling and public health considerations. It informed the approach to Owasso's hazard analysis, particularly for extreme heat and infectious disease hazards.
Sections: Chapter 3

9. Hazard Mitigation Planning Guide. American Planning Association, Washington, DC. 2020.
This guide reinforced best practices for linking hazard mitigation planning with comprehensive planning. It influenced integration of mitigation strategies with zoning, subdivision, and land use regulations.
Sections 2.1

10. Hazard Mitigation Policy Guide. APA, Washington, DC. July 2020.
Policy recommendations helped align Owasso's plan with national mitigation priorities and guided policy recommendations on resilient development standards.
Sections/Figures: 7.1

11. Lifestyle Owasso Magazine. Owasso Chamber of Commerce, Owasso, OK. 2021.
Provided insights into community character and economic drivers, informing the vulnerability assessment of local businesses and cultural assets.

12. Local Mitigation Planning Handbook. FEMA, Washington, DC. May 2023.
Served as the primary federal reference for plan structure and review requirements, guiding both the planning process and risk assessment framework.

13. Local Mitigation Planning Policy Guide. FEMA, Washington, DC. April 11, 2025.
The 2025 policy guide provided current guidance for federal compliance, influencing Section 5.0 Mitigation Strategy formatting.

14. Mitigation: Federal Interagency Operational Plan. FEMA, Washington, DC. August 2016.
Provided a federal interagency perspective on mitigation coordination, reflected in the stakeholder engagement process.

15. Mitigation Ideas. FEMA, Washington, DC. 2013.
Served as a source for developing Owasso's menu of potential mitigation actions, particularly for flood, severe weather, and drought hazards.
Sections: 3.3.2

16. Oklahoma Mitigation Assistance Resource Guide. FEMA, Washington, DC. November 2020.
Used to identify state-level technical assistance and financial support options, guiding prioritization of projects for HMGP and BRIC funding.
Sections: 7.1

17. Oologah Lake Dam Emergency Action Plan. Tulsa District, U.S. Army Corps of Engineers, Tulsa, OK. February 2023.
Reviewed for downstream inundation potential and emergency response coordination.
Sections/Figures: 3.3.1 Dam Failure Profile; Fig. 3.3.1

18. Owasso Capital Improvement Plan. City of Owasso, Owasso, OK. 2022.
Cross-referenced to align proposed mitigation projects with capital priorities, improving feasibility of flood and drainage actions.
Sections: 5.1.2

19. Owasso Economic Development Strategy. City of Owasso, Owasso, OK. February 2018.
Highlighted economic growth areas and business priorities, informing vulnerability assessment of critical economic facilities.
Sections: 5.1.3

20. Owasso Master Drainage Plan. City of Owasso, Owasso, OK. October 2019.
Hydraulic modeling provided baseline data for local flood profiles; peak flow estimates compared against FIRMs for exposure analysis.
Sections: 5.5.4

21. Owasso Subdivision Regulations. City of Owasso, Owasso, OK. 2023.
Evaluated existing resilience criteria; recommendations propose enhanced subdivision design standards.
Sections: 5.1.5

22. Owasso Transportation Master Plan. City of Owasso, Owasso, OK. August 2015.
Transportation infrastructure priorities cross-checked against hazard maps to identify lifeline vulnerabilities.
Sections: 5.1.1

23. Owasso Zoning Code. City of Owasso, Owasso, OK. 2023.
Zoning districts overlaid with hazard layers to assess land use compatibility with hazard zones.
Sections/Figures: 5.1.6

24. Regional Hazards & Vulnerabilities Assessment. Region 7 Health Care Coalition, Tulsa, OK. December 2021.
Identified vulnerabilities of healthcare facilities, integrated into lifeline vulnerability assessment.
Sections: 4.1

25. Rogers County Hazard Mitigation Plan. Rogers County Emergency Management, Claremore, OK. 2019.
Provided neighboring hazard priorities and mitigation actions for regional consistency and partnership opportunities.
Sections: 4.1

26. Simple Planning Tool for Oklahoma Climate Hazards. Southern Climate Impacts Planning Program, Norman, OK. January 2023.
Provided climate projections and hazard data, informing extreme heat and drought hazard sections.
Sections/Figures: 1.3

27. Skiatook Lake Dam Emergency Action Plan. Tulsa District, U.S. Army Corps of Engineers, Tulsa, OK. July 2023.
Reviewed for dam failure hazard implications and emergency response protocols.
Sections: 3.3.1

28. State of Oklahoma Hazard Mitigation Plan. Oklahoma Department of Emergency Management, Oklahoma City, OK. January 2024.
Provided statewide hazard profiles and mitigation priorities, aligning Owasso's plan with state goals.

29. Stone Canyon Lake Dam Emergency Action Plan. Kellogg Engineering, Tulsa, OK. December 2018.
Consulted for dam hazard identification in northern Owasso; informed potential inundation impacts.
Sections: 3.3.1

30. Tribal Hazard Mitigation Plan. Cherokee Nation of Oklahoma, Tahlequah, OK. January 2023.
Reviewed to ensure coordination with tribal jurisdictions and culturally-appropriate mitigation strategies.

31. Understanding Your Risks: Identifying Hazards and Estimating Losses (FEMA 386-2). FEMA, Washington, DC. August 2001.
Provided risk assessment methodology; concepts of hazard probability, magnitude, and vulnerability applied in hazard ranking.

32. Virtual Local Hazard Mitigation Planning Workshop Student Manual. FEMA, Washington, DC. August 2023.
Provided updated training content on local hazard mitigation planning, influencing outreach and stakeholder

engagement.
Sections 2.1

33. Yahola Lake Dam Emergency Action Plan. City of Tulsa, Tulsa, OK. December 2021.
Reviewed for dam hazard assessment; inundation mapping helped identify downstream risks affecting Owasso.
Sections: 3.3.1



Chapter 3:
Hazard Identification and Risk Assessment

3.1 Hazard Overview and List of Declared Events

Through the planning process it was decided the following natural hazards would be profiled in the City Plan:

Dam Failure	*Severe Storms (Hail, Lightning)*
Drought	*Soil Hazards (Earthquake, Landslides, Expansive Soils/Soil Subsidence)*
Extreme Heat	*Tornado*
Flooding	*Wildfire*
High Winds	*Winter Storms (Freezing Rain, Ice, and Snow)*

These hazards are listed in alphabetical order, and not prioritized in order of risk and vulnerability. Included within certain hazard profiles are generally accepted methods in various disciplines of that hazard's measurement, impact, or scale. Probability and occurrence data were retrieved for each hazard and was considered to best reflect the hazard and its periodicity to the planning area. Specific events and occurrences were included in certain profiles as a benchmark to reference occurrences of that hazard.

3.2 Probability and Risk Analysis Criteria Element

Each hazard in the City Plan was analyzed using probability, severity, warning time, and duration data to calculate the Calculated Priority Risk Index (CPRI). This multi-faceted approach enables users of the City Plan to prioritize the effects of each hazard in a more complete way.

Calculated Priority Risk Index (CPRI)

The vulnerability assessment builds upon the previously developed hazard information by identifying the community assets and development trends and intersecting them with the hazard profiles to assess the potential amount of damage that could be caused by each hazard event.

CPRI Formula

CPRI = (Probability Score x .45) + (Magnitude Severity Score x .30) + (Warning Time Score x .15) + (Duration Score x .10)

Definitions of CPRI Categories

Probability – a guide to predict how often a random event will occur. Annual probabilities are expressed between 0.001 or less (unlikely) up to 1 (highly likely). An annual probability of 1 predicts that a natural hazard will occur at least once per year. Assigned weighting factor is 45%.
Impact – indicates the impact to a community through potential fatalities, injuries, property loss, and/or losses of services. The vulnerability assessment gives information that is helpful in making this determination for each community. Assigned weighting factor is 30%.

Warning Time – plays a factor in the ability to prepare for a potential disaster and to warn the public. The assumption is that more warning time allows for more emergency preparations and public information. Assigned weighting is 15%.

Duration – relates to the span of time local, state, and/or federal assistance will be necessary to prepare, respond, and recover from a potential disaster event. Assigned weighting factor is 10%.

Probability

Score	Description	Explanation
1	Unlikely	Less than 10% probability in any given year (below 1 in 10 chance of occurring), history of events is less than 10% likely or the event is unlikely but there is a possibility of its occurrence.
2	Possible	Between 10% and 19% probability in any given year (less than 1 in 5 chance of occurring), history of events is greater than or equal to 10% but less than 20%, or the event is possible to occur
3	Likely	Between 20% and 33% probability in any given year (up to 1 in 3 chance of occurring), history of events is greater than or equal to 20% and but less than 33%, or the event is likely to occur
4	Highly Likely	More than 33% probability in any given year (event has up to a 1 in 1 chance of occurring), history of events is greater than 33% likely or the event is highly likely to occur.

Impact

Score	Description	Explanation
1	Negligible	Less than 10% of property severely damaged, shutdown of facilities and services for less than 24 hours, and/or injuries/illnesses treatable with first aid
2	Limited	10% to 25% of property severely damaged, shutdown of facilities and services for more than a week, and/or injuries/illnesses that do not result in permanent disability

3	Critical	More than 25% and up to 50% of property severely damaged, shutdown of facilities and services for at least 2 weeks, and/or injuries/illnesses that result in permanent disability.
4	Catastrophic	More than 50% of property severely damaged, shutdown of facilities and services for more than 30 days, and/or multiple deaths

Warning Time

Score	Description
1	More than 24 hours warning time
2	12 to up to 24 hours warning time
3	6 to up to 12 hours warning time
4	Minimal or no warning (Less than 6 hours warning)

Duration

Score	Description
1	6 hours or less
2	Up to 1 day
3	Up to 1 week
4	More than 1 week

Overall Hazard Ranking

Low: The event has a minimal impact on the planning area.

Moderate: The event's impacts on the planning area are noticeable but not devastating.

High: The criteria consistently fall in the high classifications and the event is likely/highly likely to occur with severe strength over a significant to extensive portion of the planning area.

Natural Hazard	Probability	CPRI	Overall Ranking*
Dam Failure	Unlikely	2.50	Low

Drought	Likely	2.80	High
Extreme Heat	Likely	2.30	High
Flood	Highly Likely	3.75	High
High Wind	Possible	1.85	Moderate
Severe Storm	Highly Likely	3.05	High
Soil Hazards	Possible	1.90	Low
Tornado	Possible	2.15	Moderate
Wildfire	Possible	2.10	Moderate
Winter Storm	Possible	1.95	Moderate

*The overall hazard ranking was compiled by utilizing the probability score, CPRI and discussion between the Owasso Hazard Mitigation Planning Team Meetings.

3.2.1 Owasso Disaster Declarations 2012-2022

Disaster#	Declaration Date	Incident Type
EM-3308	01/30/2010	Severe Winter Storm
DR-1876	02/25/2010	Severe Winter Storm
DR-1883	-3/05/2010	Severe Winter Storm
DR-1985	5/13/2011	Winter snow Storm
EM-3316	22/2011	Winter Storm
DR-4222	5/26/2015	Tornado=Flooding
DR-4315	7/7/2017	Severe Storms, Tornadoes, Flooding
DR-4438	6/1/2019	Severe Storms, Straight-line Winds, Tornadoes, and Flooding
EM-3411	5/25/2019	Flooding
DR-4530	04/05/2020	Covid-19 Pandemic
EM-3555	02/17/21	Severe Winter Storm
DR-4721	09/07/2023	Severe Storms, Straight-Line Winds, and Tornadoes

3.3 Hazard Profiles Elements

The following data will be discussed in each hazard profile:

HAZARD PROFILE ELEMENTS	DATA TO BE DISCUSSED
DESCRIPTION	A brief explanation of each hazard.
LOCATION	A description of which areas of the city experience this hazard. When needed, maps will accompany the narrative description.
PREVIOUS OCCURRENCES	Previous occurrence events that are relevant and information of the hazard.
PROBABILITY AND RISK CALCULATION	A summary of the probability, impact, warning time, and duration of the event. Narrative regarding if the risk from the hazard is expected to increase or decrease in the future.
VULNERABILITY AND IMPACT	A summary of jurisdictions and/or regions most threatened by each hazard and a summary of jurisdictions most susceptible to damage and loss from hazard events related to population and assets (such as infrastructure, critical facilities, systems, and potential dollar losses).

3.3.1 Dam Failure

For all dams profiled in this document, potential impacts would extend to both the City of Owasso and Owasso Public Schools.

Description

The Federal Emergency Management Agency (FEMA) defines a dam as "an artificial barrier that has the ability to impound water, wastewater, or any liquid-borne material for the purpose of storage or control of water." Dams typically are constructed of earth, rock, concrete, or tailings (chaff) from mining operations. A dam failure is the collapse, breach, or other failure resulting in downstream flooding. The amount of water impounded in the reservoir behind a dam is measured in acre-feet. As a function of upstream topography, even a very small dam may impound or detain many acre-feet or millions of gallons of water.

A break in a dam produces an extremely dangerous flood situation because of the high velocities and large volumes of water. In the event of a dam failure, the potential energy of the water stored behind even a small dam can cause great property damage, as well as loss of life if there are people downstream from the dam. The extent of this inundation may be minimal to uninhabited farmland or catastrophic in an urban environment.

Dam failures are most likely to happen for one of these reasons:

• Overtopping caused by water spilling over the top of a dam

• Structural failure of materials used in dam construction

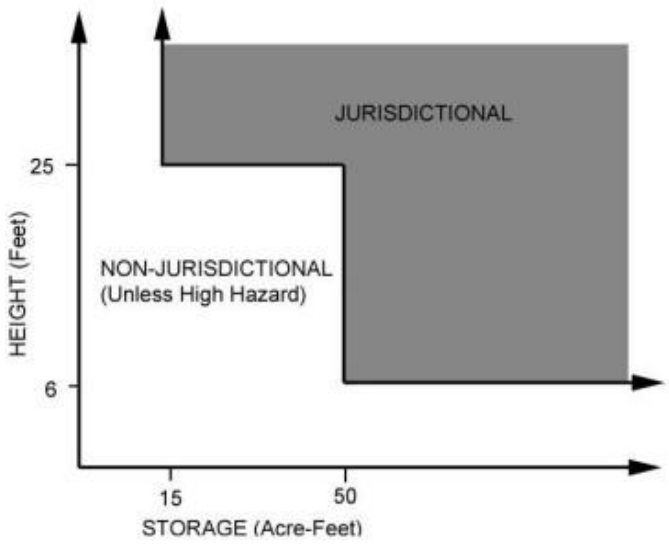
• Cracking caused by movements like the natural settling of a dam

• Inadequate maintenance and upkeep.

• Piping when seepage through a dam is not properly filtered and soil particles continue to progress and form sinkholes in the dam.

• Geological instability caused by changes to water levels during filling or poor surveying.

• Human, computer or design error.



OWRB Jurisdictional Sizes of Dams

Flooding can occur downstream from a dam without the structure being breached. Sometimes, to prevent overtopping and catastrophic failure, dams are forced to make emergency releases of large amounts of water, which can cause downstream flooding.

Any dam that has a height of 25 feet or more from the natural streambed and/or 50 acre-feet or more of storage capacity, is under the jurisdiction of the Oklahoma Water Resources Board (OWRB).

The OWRB also classifies dams as high hazard, significant-hazard, and low hazard, depending on the downstream populations and infrastructure. The hazards are based on first, potential for loss of life from a breach and secondly from the level of economic damage that will occur downstream from a breach. *Figure 1* identifies the risk and required inspection frequency for these dams.

Location

The inundation zones for these dams affect the planning area.

Skiatook Lake Dam is located on Hominy Creek in Osage County approximately 4 miles west of the town of Skiatook or 14 miles upstream from the confluence of Hominy Creek and Bird Creek.

Oologah Lake Dam is located on the Verdigris River in Rogers County approximately 1.5 miles southeast of the town of Oologah.

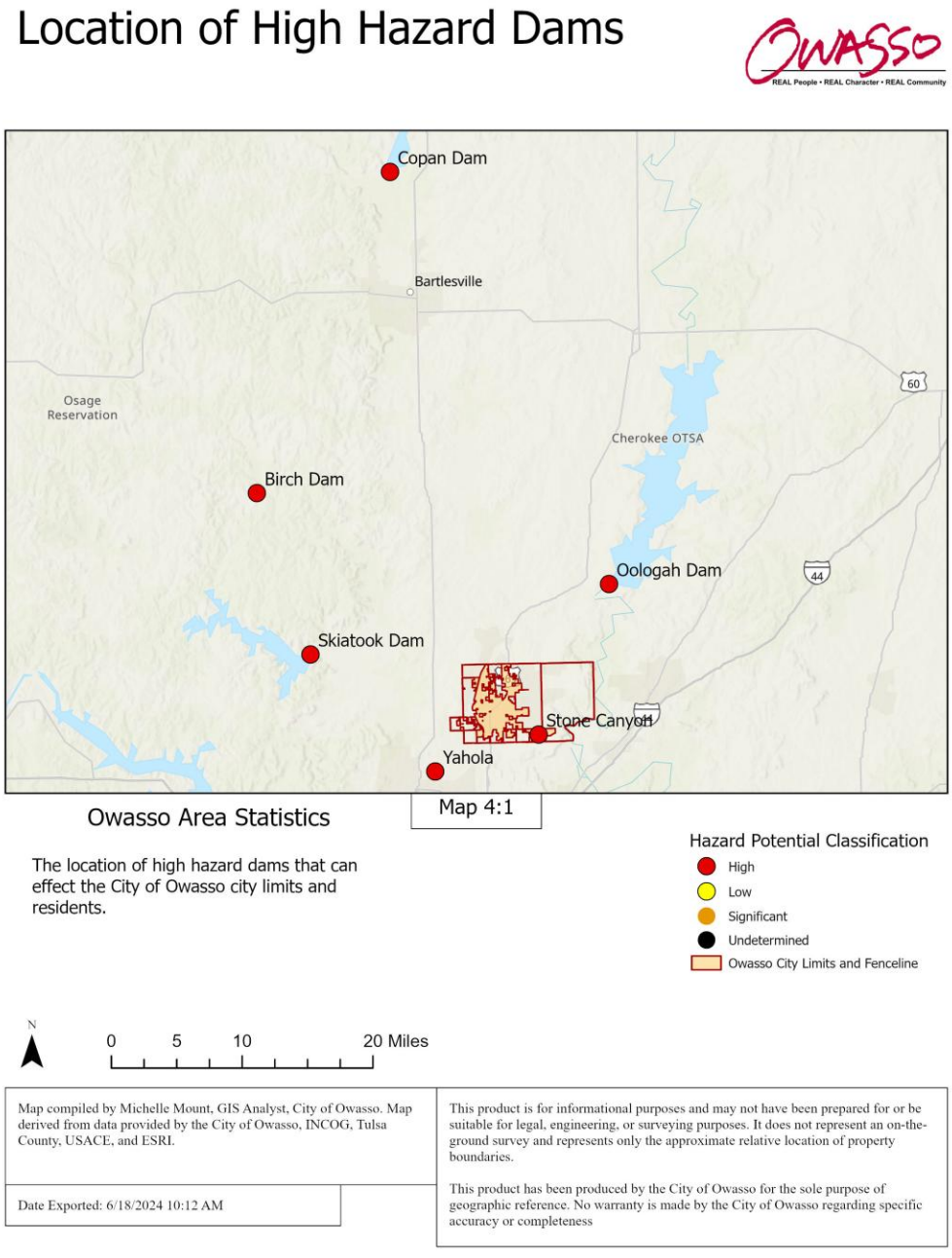
Skiatook Lake and Oologah Lake Dams are Federally regulated High Hazard dams which are operated by the U.S. Army Corps of Engineers.

Stone Canyon Dam is located on an unnamed creek in Rogers County. It is south of 76th Street North and west

of 177th East Avenue in the Stone Canyon Addition. Stone Canyon Lake Dam is a privately-owned High Hazard Dam located in the Stone Canyon Addition. Flood depth ranges are not available as no gauge is at this location.

The Tyann Dam is located in Tulsa County south of 96th Street North and West of 129th East Avenue. The Tyann Lake Dam is privately owned and the Region Detention Facility Dam .

The 96th Street Detention Facility Dam is located in Tulsa County south of 96th Street North and west of Garnett Road. Flood depth ranges are not available as no gauge is at this location.



Hazard-Potential Classification	Risk Involved with Dam Failure	Inspection Frequency
High	probable loss of human life	annually, by a registered professional engineer
Significant	no probable loss of human life but can cause economic loss or disruption of lifeline facilities	every three years by a registered professional engineer
Low	no probable loss of human life and low economic loss	every five years

SKIATOOK LAKE **Purpose:** Flood control, water quality, water supply, recreation, and fish and wildlife management.	ELEVATION	INCREMENT STORAGE		CUMULATIVE STORAGE	
	(feet)	(inches)	(acre-feet)	(inches)	(acre-feet)
Flood Control Pool:	729.00	9.41	177,692	26.43	499,099
Conservation Pool:	714.00	16.42	310,085	17.02	321,407
Inactive Pool:	657.00	.06	11,321	.06	11,321

OOLOGAH LAKE **Purpose:** Flood control, water quality, water supply, recreation, and fish and wildlife management.	ELEVATION	INCREMENT STORAGE		CUMULATIVE STORAGE	
	(feet)	(inches)	(acre-feet)	(inches)	(acre-feet)
Surcharge Pool:	666.00	2.46	299,753	13.99	1,705,142
Flood Control Pool:	661.00	7.78	948,228	11.53	1,405,388
Conservation Pool:	638.00	3.73	455,081	3.75	457,159
Inactive Pool:	592.00	.02	2,078	.02	2,078

Previous Occurrence

There is no comprehensive list of dam failures or incidents that have occurred in Owasso.

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
Dam Failure	Unlikely	2.50	Low

Vulnerability and Impact

Vulnerability and Impact – City of Owasso

Structural:
The City's sewer treatment plant could be inundated by floodwaters, resulting in damage to operational equipment. City parks, municipal buildings, and public equipment may also be damaged when creek and river channels overflow. Roads, water and sewer lines, and electrical infrastructure are vulnerable to damage from moving water. Flood events could also result in the loss of power generation from any equipped dams.

Human:
Individuals residing within the floodplain who do not evacuate in time face a risk of injury or loss of life. The number of people affected depends on the population within the inundation zone, the amount of advance warning, and the level of pre-event education and preparedness. A catastrophic loss of the municipal water supply is also possible.

Social/Political:
No direct impacts identified.

Cultural/Organizational:
Flooding could lead to the loss of recreational opportunities in parks and lake areas within the city.

Resource/Informational:
Some residents may not receive evacuation notices, as no combination of communication methods can guarantee 100% coverage.

Economic:
Local businesses and commerce may experience losses due to lack of access, water damage to facilities, or disruption of utilities.

Environmental:
Damage to the sewer treatment plant could result in untreated sewage discharging into Bird Creek, impacting downstream areas including the Bird Creek and Verdigris River habitats. Severe loss of flood control and damage reduction capability is also possible.

Impact on Utilities

Electricity
The Grand River Dam Authority (GRDA) is a non-profit agency established by the Oklahoma state legislature in 1935 to control, develop, and maintain the Grand River waterway. Headquartered in Vinita, Oklahoma, GRDA is self-funded through the sale of electricity and water. According to its 2022 Annual Report, GRDA reported nearly $670 million in operating revenue, up from approximately $397 million in 2020. GRDA operates three hydroelectric facilities and two reservoirs—Grand Lake, Lake Hudson, and the Salina Pumped Storage Project, which includes Lake W. R. Holway. Additionally, GRDA owns and operates the GRDA Energy Center (formerly the Coal-Fired Complex). GRDA's service area spans 24 counties in northeastern Oklahoma, transmitting and delivering electricity through an extensive energy delivery system. It serves three main customer classes: municipals, electric cooperatives, and industries.

Gas
Transmission pipelines in the region are vulnerable to damage from natural disasters. Uprooted trees can fall onto pipelines within their dripline, and flooding or soil erosion may expose pipelines, increasing the risk of breaches.

Transportation Systems
Significant flooding resulting from dam failures or high water releases can lead to regional highway flooding, limiting access to affected areas. Bridges crossing nearby rivers and creeks are at risk of being overtopped, further restricting ground transportation. In counties such as Mayes County, virtually all major access routes—including State Highways 20, 28, 82, and U.S. Highways 69 and 412—are vulnerable to dam failure-related flooding.

Regional Electrical Service
The Southwestern Power Administration (SWPA), a federal agency within the Department of Energy established in 1943, markets hydroelectric power from 24 U.S. Army Corps of Engineers multipurpose dams across Arkansas, Kansas, Louisiana, Missouri, Oklahoma, and Texas. SWPA primarily supplies public bodies such as rural electric cooperatives and municipal utilities, serving over eight million end-use customers. The agency operates and maintains 1,380 miles of high-voltage transmission lines, substations, and a communications network that includes microwave, VHF radio, and fiber optics.

Extent

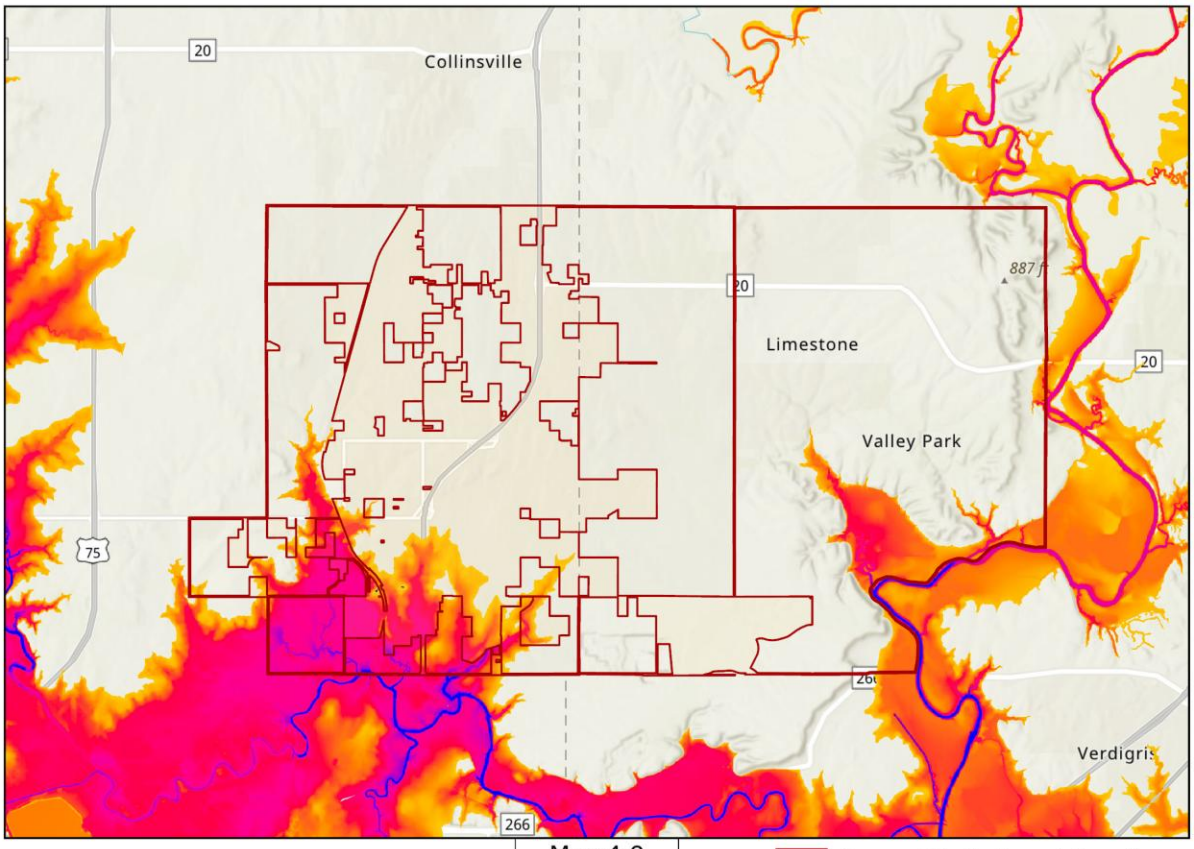
The planning area could experience a range of impacts from dam failure, including minor flooding, property damage, infrastructure damage, and potential loss of life. Based on available inundation maps and flood gauge data for each dam, flood depths in affected areas are as follows:

Dam Name	Flood Depth Range (ft)	Notes / Data Limitations	Jurisdictions Affected
Skiatook	82.5218 – 104.586	Based on inundation maps and available flood gauges	City of Owasso, Owasso PS
Oologah	74.3487 – 113.0517	Based on inundation maps and available flood gauges	City of Owasso, Owasso PS
Stone Canyon	N/A	Flood depth data unavailable due to lack of gauges and insufficient modeling	City of Owasso, Owasso PS
Tyann	N/A	Flood depth data unavailable due to lack of gauges and insufficient modeling	City of Owasso, Owasso PS

Where flood depth data are unavailable, this is due to the absence of gauge measurements or insufficient hydrologic modeling for the site.

In the event of a dam failure, the planning area could experience a range of impacts, from localized flooding and property damage to widespread structural damage and potential loss of life. The severity would depend on factors such as the size of the dam failure, the volume of water released, and the location of vulnerable development. Potential impacts would extend to both the City of Owasso and Owasso Public Schools.

MH Flood Inundation
Lake Skiatook



Map 4:9

Owasso Area Statistics

The map above represents the flooding impact to the City of Owasso and the Owasso fenceline when Lake Skiatook is at maximum high pool level (MH). The time for the inundation to arrive in the City of Owasso after the dam breach is ? hour and ?? minutes.

Owasso City Limits and Fenceline

Skiatook MH Breach

Value

113.546

3.05176

N

0 1.252.5 5 Miles

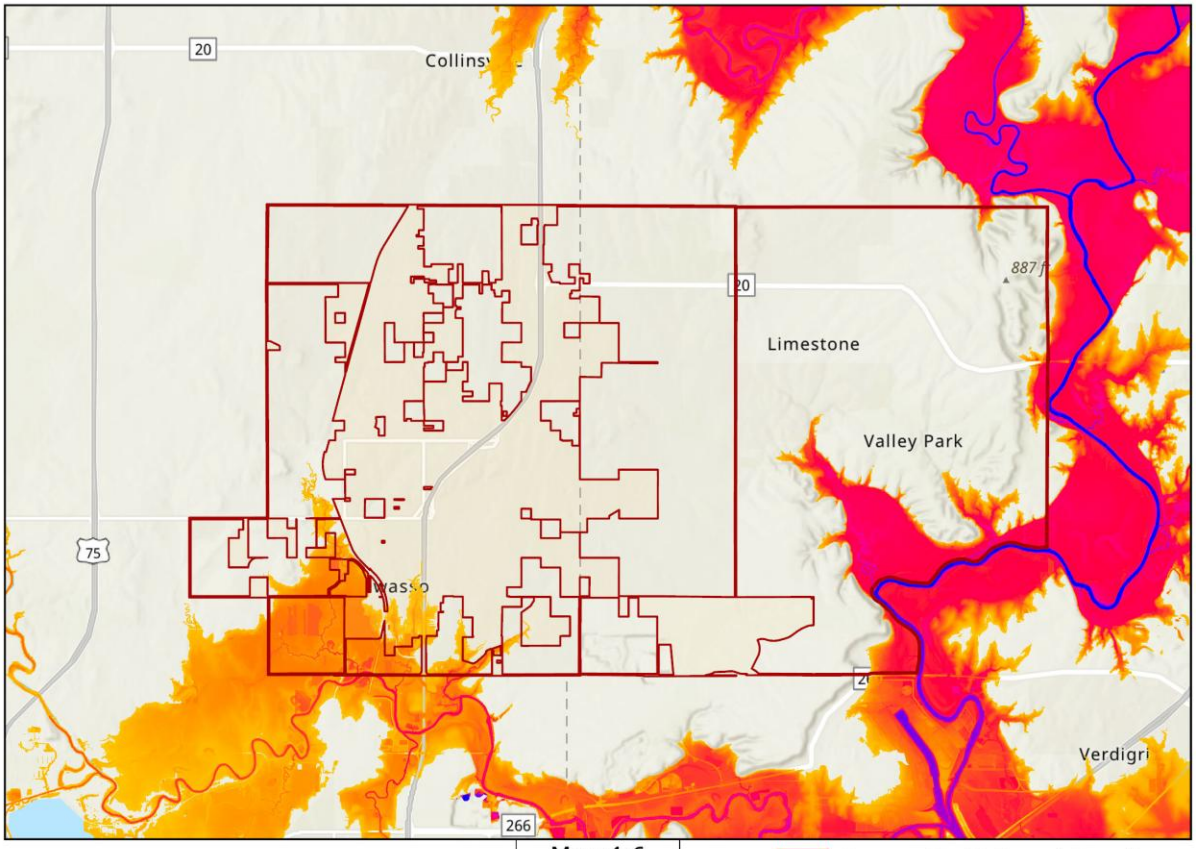
Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, USACE, and ESRI.

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This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

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MH Flood Inundation
Lake Oologah



Map 4:6

Owasso Area Statistics

The map above represents the flooding impact to the City of Owasso and the Owasso fenceline when Lake Oologah is at maximum high pool (MH). The time for the inundation to arrive in the City of Owasso after the dam breach is 1 hour and 40 minutes.

Owasso City Limits and Fenceline

Oologah MH Breach

Value

104.586

0.000976562

N

0 1.252.5 5 Miles

Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, USACE, and ESRI.

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3.3.2 Drought

Description

A drought is defined as "a period of abnormally dry weather sufficiently prolonged for the lack of water to cause serious hydrologic imbalance in the affected area" (Glossary of Meteorology, 1959). Drought can be classified into four distinct types:

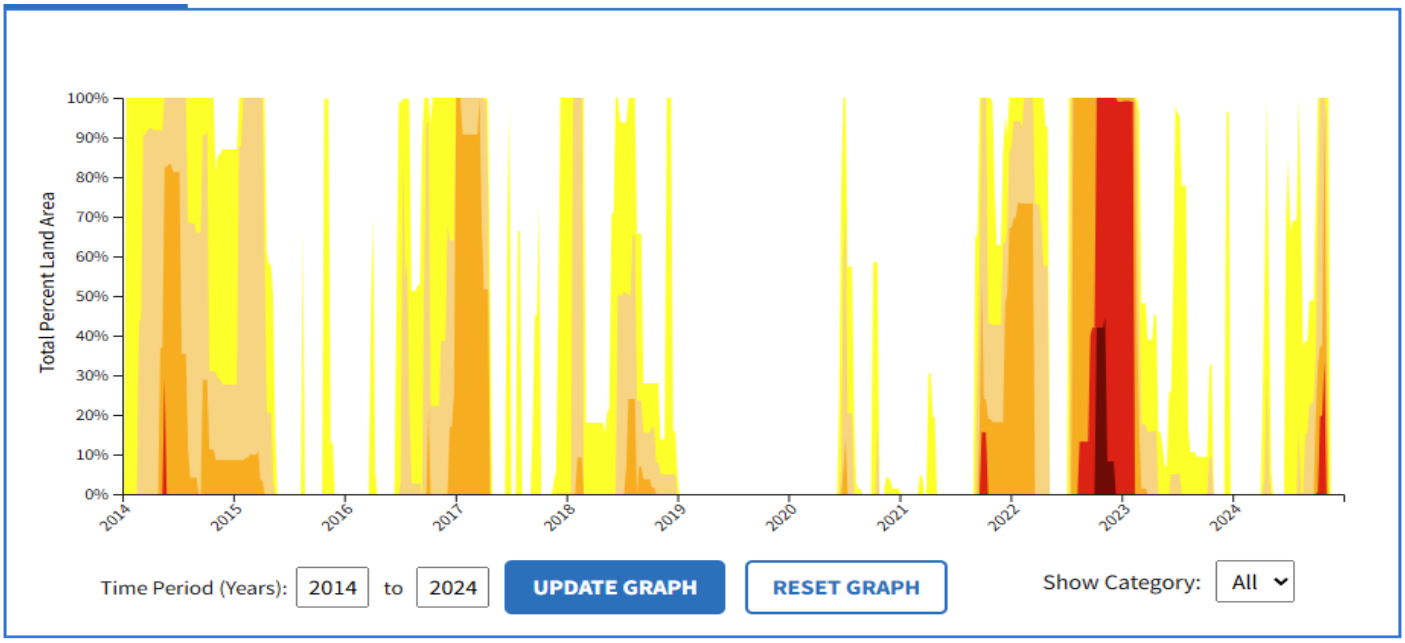
- **Meteorological Drought:** Characterized by a departure of precipitation from normal levels. Due to climatic variations, conditions considered a drought in one region may not constitute a drought in another.
- **Agricultural Drought:** Occurs when soil moisture levels fall below the requirements needed to sustain a particular crop.
- **Hydrological Drought:** Defined by below-normal surface and subsurface water supplies, such as rivers, reservoirs, and groundwater.
- **Socioeconomic Drought:** Happens when physical water shortages begin to impact human activities, affecting social and economic systems.

Location

Drought can be experienced across the city of Owasso frequently. As seen on the table below, the entire City of Owasso has seen at least one level of drought based on the U.S. Drought monitor, from 2014 to 2022.

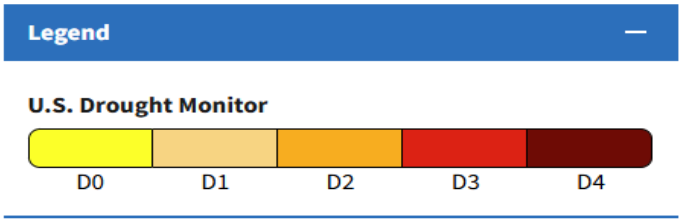
Date	Damage Scale/Intensity	Extent/Description
January – February 2014	Moderate Drought	This period was very dry and very cold across the region. Precipitation totals ranged from 0 to 5 percent of normal resulting in moderate drought conditions. Monetary estimates of the damage were not available.
April-May 2014	Severe Drought	Central and Northern Oklahoma experienced its 28th driest May on record. This led to Severe drought conditions across the planning area. Monetary estimates of the damage resulting from the drought were not available.
October 2015	Moderate Drought	Warmer and drier conditions were experienced across Oklahoma. Most stations reported less than 70% of normal rainfall. This resulted in moderate drought conditions across the planning area. Monetary estimates of the damage resulting from the drought were not available.
February 2016	Moderate Drought	This was an extremely dry period for most of Texas and Oklahoma with the area receiving between 25 and 50 percent of normal rainfall. This resulted in a moderate drought for the planning area. Monetary estimates of the damage resulting from the drought were not available.
June 2016	Extreme Drought	A warmer than normal June was experienced. Precipitation was predominantly controlled by convective activity with very dry conditions experienced across eastern Oklahoma. This resulted in extreme drought conditions across the planning area. Monetary estimates of the damage resulting from the drought were not

		available.
November-December 2016	Severe Drought	Precipitation across eastern Oklahoma was well below average during the time period with much of northeastern Oklahoma receiving below 25% of the normal average precipitation which compounded a period of below normal precipitation prior to the timeframe resulting in Severe Drought conditions. Monetary estimates of the damage resulting from the drought were not available.
February 2017	Moderate Drought	Precipitation across eastern Oklahoma o the north of Interstate Highway 40was between 25 and 50 % of the normal average. The unusually dry conditions followed a period of below normal rainfall that began in late Summer. Moderate to Severe Drought conditions persisted for the month. Monetary damage estimates resulting from the drought were not available.
September 2017	Moderate Drought	Eastern Oklahoma received 50 to 75% below its normal precipitation for the month, resulting in a moderate drought. Monetary estimates of the damage resulting from the drought were not available.
November-December 2017	Moderate Drought	Temperatures for the period were slightly above normal. Moderate drought conditions affected the area as precipitation totals fell to between 25 and 70 percent of normal. Monetary estimates of the damage resulting from the drought were not available.
May-July 2018	Severe Drought	A typical late spring- early summer weather pattern affected eastern Oklahoma with convective weather systems resulting in localized rainfall that exceeded climatological monthly averages in some areas while below average amounts were seen in other areas. Overall, much of northeastern Oklahoma received below average rainfall for the time period. Monetary estimates of damages due to the drought were not available.



The U.S. Drought Monitor (2000–present) depicts the location and intensity of drought across the country. Every Thursday, authors from NOAA, USDA, and the National Drought Mitigation Center produce a new map based on their assessments of the best available data and input from local observers. The map uses five categories: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4). Learn more.

LATEST AVAILABLE DATA: 2025-07-08



Category	Description	Possible Impacts	Palmer Drought Severity Index (PDSI)
D0	Abnormally Dry	Going into drought: • Short-term dryness slowing planting, growth of crops or pastures Coming out of drought: • Some lingering water deficits • Pastures or crops not fully recovered	-1.0 to -1.9
D1	Moderate Drought	• Some damage to crops, pastures • Streams, reservoirs, or wells low, some water shortages developing or imminent • Voluntary water-use restrictions requested	-2.0 to -2.9
D2	Severe Drought	• Crop or pasture losses likely • Water shortages common • Water restrictions imposed	-3.0 to -3.9
D3	Extreme Drought	• Major crop/pasture losses • Widespread water shortages or restrictions	-4.0 to -4.9
D4	Exceptional Drought	• Exceptional and widespread crop/pasture losses • Shortages of water in reservoirs, streams, and wells creating water emergencies	-5.0 or less

U.S. Drought Monitor Categories. Source: National Drought Mitigation Center.

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
Drought	Likely	2.80	High

Vulnerability and Impact — Drought

City of Owasso

Structural:
Older structures and infrastructure may be damaged due to soil shrinkage and substructure contraction caused by prolonged dry conditions.

Infrastructure:
Water line breaks are common during drought periods due to soil movement and stress on pipes.

Human:
Children, the elderly, and individuals with respiratory conditions are particularly vulnerable to water shortages. Reduced water availability or contaminated water—especially in rural areas relying on well water—can lead to serious illness.

Social/Political:
Water parks and public pools may close during water restrictions, impacting recreation and community well-being.

Cultural/Organizational:
Historic properties and cultural resources face risks primarily from soil shrinkage that can damage foundations and structures.

Resource/Informational:
Public information campaigns have typically not emphasized water conservation, which may reduce public compliance during drought restrictions.

Economic:
Agricultural production is the most directly affected sector. Owasso purchases treated water from the City of Tulsa and resells it; thus, water supply issues in Tulsa directly impact Owasso. Water rationing during droughts—especially in summer—often leads to reduced water sales and revenue. Businesses and industries using large water quantities may be required to reduce operations. City-operated amenities such as the public golf course, regional sports park, and neighborhood parks face financial losses from vegetation and landscaping damage. Similar losses affect private residential and commercial properties.

Environmental:
Inefficient or aging irrigation systems can exacerbate drought impacts by wasting water. Drought stress can cause tree mortality, increase wind erosion, invite insect infestations and plant diseases, and threaten migratory bird populations.

Owasso Public Schools

Structural:
Older school buildings and infrastructure may experience damage related to soil shrinkage and contraction.

Human:
Students may experience anxiety and depression related to concerns about water shortages affecting their families.

Social/Political:
No significant impacts identified.

Cultural/Organizational:
No significant impacts identified.

Resource/Informational:
No significant impacts identified.

Economic:
Loss of landscaping around school properties can represent a financial loss.

Environmental:
No significant impacts identified.

Impact

City of Owasso

Health and Safety of the Public:
While drought impacts tend to be primarily agricultural, water supply disruptions can affect the broader population. Overall, public health impacts are expected to be minimal.

Health and Safety of Responders:
Drought-induced dry soils reduce moisture in vegetation, increasing wildfire risks. Wildfires tend to be more intense under these conditions, increasing stress and risk for emergency responders.

Continuity of Operations:
No expected impact.

Property, Facility, and Infrastructure:
Impacts can range from minimal to severe depending on drought length and intensity. Structural damage, such as buckling roads and compromised buildings, may occur. Water shortages can impair firefighting efforts in both urban and rural areas.

Environmental Impact:
Farming, ranching, wildlife, and plant communities may suffer due to insufficient precipitation. Increased mortality among livestock and wildlife is possible.

Economic Impact:
Severity and duration of drought determine economic effects. Agriculture-dependent businesses and communities face significant stress. Consumer food prices may fluctuate with supply and demand. Farmers and ranchers may face financial hardship, including loan defaults.

Public Confidence in Governance:
Public trust may decline if drought planning and response measures are inadequate to address water needs and crop losses.

Owasso Public Schools

Health and Safety of Faculty, Staff, and Students:
Minimal impacts are expected.

Continuity of Operations:
No expected impact.

Property, Facility, and Infrastructure Damage:
Potential damage ranges from minimal to severe based on drought severity and duration, including structural damage and buckling of roads or parking lots.

Environmental Impact:
No significant impacts identified.

Economic Impact:
Loss of landscaping may represent a notable financial loss.

Public Confidence in Governance:
Concerns may arise if drought impacts are not adequately addressed by planning and response efforts.

3.3.3 Extreme Heat

Description
Extreme heat is characterized by summertime temperatures that are significantly hotter and/or more humid than average, persisting for at least two consecutive days. In Owasso, the average high temperature during July and August is approximately 93°F, with an average humidity of 56%, placing the area in the National Weather Service's Heat Index "Extreme Caution" zone.

There is no universally accepted definition of a heat wave. The World Meteorological Organization recommends characterizing heat waves by their magnitude, duration, severity, and geographic extent. For this plan, the National Weather Service's Heat Index and Heat Disorders Table were selected as the standard metrics to define and assess extreme heat events.

Location
The entire City of Owasso is susceptible to extreme heat events.

Historical Occurrences of Extreme Heat in Owasso

Date	Information/Damage
7/19/2018	An upper-level ridge of high pressure caused unseasonably hot weather with temperatures reaching 100–105°F and heat indices from 105 to 112°F across eastern Oklahoma.

Date	Information/Damage
7/21/2017	Similar high pressure ridge resulted in temperatures near 100°F and heat indices of 110 to 115°F across eastern Oklahoma, lasting through July 23rd in parts of southeastern Oklahoma.
8/10/2016	Strong ridge of high pressure caused temperatures in the upper 90s to near 100°F with heat indices of 110 to 115°F on August 10th and 11th.
7/6/2016	Ridge of high pressure centered over Texas resulted in temperatures near 100°F and heat indices of 110 to 115°F in northeastern Oklahoma.
6/15/2016	High pressure anchored over south-central U.S. caused mid-90s to near 100°F temperatures and heat indices of 110 to 115°F from June 15th through 17th.
7/25/2014	Strengthening subtropical ridge brought dry, hot weather with highs in the mid-90s to near 100°F and heat indices of 105 to 110°F. Overnight lows remained in the mid to upper 70s, providing little relief.

Heat Index and Heat Disorders Table

The National Weather Service's Heat Index combines temperature and relative humidity to estimate the human-perceived equivalent temperature and risk level for heat-related disorders. The table categorizes risk levels as:

- **Caution:** Fatigue possible due to heat exposure.
- **Extreme Caution:** Sunstroke, muscle cramps, or heat exhaustion are possible.
- **Danger:** Heat disorders likely.
- **Extreme Danger:** Heat stroke or sunstroke highly likely.

Oklahoma, including Owasso, experiences the full spectrum of heat index levels due to frequent temperatures exceeding 100°F combined with varying humidity. This makes extreme heat a persistent hazard requiring ongoing preparedness and mitigation.

Heat Index/Apparent Temperature (°F)	Possible Heat Disorders for People in High Risk Groups
130°F or Higher	Heat/Sunstroke HIGHLY LIKELY with continued exposure
105°F - 130°F	Sunstroke, heat cramps, or heat exhaustion LIKELY, and heatstroke POSSIBLE with prolonged exposure and/or physical activity
90°F - 105°F	Sunstroke, heat cramps, or heat exhaustion POSSIBLE with prolonged exposure and/or physical activity
80°F - 90°F	Fatigue POSSIBLE with prolonged exposure and/or physical activity

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
Extreme Heat	Likely	2.30	High

Vulnerability and Impact — Extreme Heat

City of Owasso:

Structural:
Buildings are moderately vulnerable to extreme heat, primarily due to soil expansion and contraction that can cause damage over time.

Human:
Populations particularly vulnerable include low-income and elderly residents who may lack or limit use of air conditioning due to electricity costs. Individuals with disabilities or chronic medical conditions are also more susceptible to heat-related illnesses. Outdoor workers and those engaging in outdoor recreation face increased risk of heat stress.

Social/Political:
No significant impacts identified.

Cultural/Organizational:
Some cultural properties may suffer damage due to soil shrinkage associated with prolonged heat and dry conditions.

Resource/Informational:
Certain individuals and families may not receive timely or adequate information about heat emergencies or appropriate response actions.

Economic:
Productivity, especially in outdoor industries such as construction or agriculture, tends to decrease during extreme heat events.

Environmental:
Vegetation loss can occur due to rapid moisture loss via vapor transpiration under high heat conditions.

Owasso Public Schools

Structural:
Some school properties may be vulnerable to damage from soil shrinkage due to extreme heat.

Human:
Extreme heat poses health risks to all, but especially to children under five, physically less fit individuals, and those living below the poverty line.

Social/Political:
No significant impacts identified.

Cultural/Organizational:
No significant impacts identified.

Resource/Informational:
No significant impacts identified.

Economic:
Costs related to minor damage repair and maintenance may be incurred.

Environmental:
Some loss of landscaping and vegetation is possible.

Impact

City of Owasso:

Health and Safety of the Public:
Extreme heat presents a serious health threat, particularly to vulnerable populations.

Health and Safety of Responders:
Heat stress can increase risks for emergency responders working outdoors, potentially raising injury or fatality rates.

Continuity of Operations:
No expected impact.

Property, Facility, and Infrastructure Damage:
Minor damage is possible, mainly affecting older infrastructure and buildings.

Environmental Impact:
Minor vegetation loss may occur.

Economic Impact:
Potential for minor revenue loss due to decreased productivity and increased maintenance costs.

Public Confidence in Jurisdiction's Governance:
No anticipated loss of public confidence.

Owasso Public Schools:

Health and Safety of Faculty, Staff, and Students:
Extreme heat poses health risks especially for at-risk individuals.

Continuity of Operations:
No expected impact.

Property, Facility, and Infrastructure Damage:
Minor damage may occur, particularly in older structures.

Environmental Impact:
Some loss of landscaping and vegetation is possible.

Economic Impact:
Minor financial impact due to repair and maintenance needs.

Public Confidence in Jurisdiction's Governance:
No anticipated loss of public confidence.

3.3.4 Flooding

Description
A flood is the overflow of a relatively large amount of water beyond its normal confines, especially over land that is usually dry. Flooding extent is typically influenced by the amount of precipitation, rainfall accumulation time, soil saturation, and local terrain.

Several types of flooding occur in Owasso, including:

- **River flooding:** Occurs when a river exceeds its channel capacity and overflows onto surrounding floodplains. The extent depends on precipitation, soil saturation, and terrain.
- **Flash flooding:** Happens when rainfall rates exceed drainage capacity, causing rapid flooding often with little warning. This primarily threatens life and safety.
- **Urban flooding:** Inundation in built environments caused by rainfall overwhelming storm drainage systems, particularly in dense urban areas.

Location

Floodplain management is based on the "1% or 100-year flood," meaning a flood with a 1% chance of occurring in any given year. The Federal Emergency Management Agency (FEMA) designates the Special Flood Hazard Area (SFHA) using this metric, establishing base flood elevations (BFE) and regulatory zones for planning and development along waterways.

The City of Owasso and Owasso Public Schools utilize both the 100- and 500-year flood values to measure flood extents in the planning area.

FEMA's National Flood Insurance Program (NFIP) establishes zones on Flood Insurance Rate Maps (FIRMs) which affect flood insurance rates. The average structure in the SFHA is estimated to experience 2 feet of flooding, causing approximately 25% damage to the structure.

Previous Occurrences

Date	Time	Location	Damage Scale/Intensity	Injuries	Fatalities	Description
10/30/20	4:00 PM	Bird Creek	Minor	0	0	Minor flooding caused Mingo Road closure; ~6 rural homes affected with up to 2 feet of water inside.
5/23/2019	1:00 AM	Bird Creek	100-Year Flood	0	0	Heavy rainfall caused flooding along Bird Creek and tributaries; crest reached 29.84 feet.
3/28/2018	3:15 PM	Bird Creek	100-Year Flood	0	0	Heavy rain caused flooding; 5 units at Wildwood Apartments damaged with up to 0.5 feet of water.

Date	Time	Location	Damage Scale/Intensity	Injuries	Fatalities	Description
5/2/2009	12:45 PM	Bird Creek	100-Year Flood	0	0	Heavy rain over multiple days; Bird Creek crested at 21.09 feet; flood stage lasted approximately 12 hours.

Probability and Risk Calculation

Natural Hazard	Probability	Calculated Priority Risk Index (CPRI)	Overall Ranking
Flood	Highly Likely	3.75	High

Vulnerability and Impact

City of Owasso:

Structural:
Buildings located in the floodway may experience 2 feet or more of water intrusion, causing significant structural damage.

Human:
Flooding may displace residents and cause loss of personal belongings and furnishings.

Social/Political:
No significant impacts noted.

Cultural/Organizational:
Cultural properties within flood-prone areas are vulnerable to flood damage.

Resource/Informational:
Many property owners lack understanding of the NFIP and the importance of purchasing flood insurance even when outside mapped floodplains.

Economic:
Potentially catastrophic structural and content damage. Property values may decline and insurance premiums increase. Tax revenue losses, including ad valorem and sales taxes, could be significant.

Environmental:
Changing weather patterns may increase flood frequency, extent, and severity, impacting local ecosystems.

Vulnerability Summary – Flood

The City of Owasso continues to experience vulnerability related to repetitive flood damage. According to FEMA's NFIP data, Owasso has a small but persistent number of Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties, which represent a disproportionate share of local flood insurance claims. While these properties account for only a fraction of the City's overall building stock, they indicate areas of concentrated, recurring risk.

Owasso participates in the National Flood Insurance Program (NFIP) and administers its program through the Community Development Department. The City adopted Flood Damage Prevention Ordinance No. 367 on March 17, 1987, establishing floodplain management standards consistent with FEMA requirements. As part of its floodplain management responsibilities, the City enforces the Substantial Improvement/Substantial Damage (SI/SD) process, ensuring that structures meeting the 50% threshold of market value are brought into compliance with current floodplain regulations.

Although Owasso is not currently a participant in the Community Rating System (CRS), the City continues to maintain compliance with NFIP minimum standards and has the option to pursue CRS participation in the future. Doing so could further reduce vulnerability and provide residents with flood insurance discounts.

Integration of RL/SRL information has shaped the City's mitigation strategy. Actions in the plan that specifically reduce repetitive losses include:

- Pursuit of FEMA Hazard Mitigation Assistance (HMA) funding for acquisition or elevation of RL/SRL properties.
- Continued enforcement of the floodplain ordinance and SI/SD determinations to prevent repeated damages.
- Coordination with planning and development departments to ensure that future growth does not increase concentrations of at-risk structures.

Owasso Public Schools:

Structural:
Pamela Hodson Elementary School is partially within the regulatory floodplain. Other campuses are outside. Debris accumulation in creeks can cause water backup affecting parking lots and potentially structures.

Human:
Minimal direct impact expected on faculty, staff, and students.

Social/Political:
Minimal impact expected.

Cultural/Organizational:
Some extracurricular events may be delayed or canceled due to flooding.

Resource/Informational:
No significant impacts noted.

Economic:
Equipment damage and property repair costs could be significant. Loss of ad valorem taxes may impact budgets.

Environmental:
Floodwaters may damage parks and recreational facilities on school properties.

Vulnerability Summary OPS – Flood

Owasso Public Schools (OPS)**,** none of the district's campuses are currently identified as RL or SRL properties. However, OPS facilities located adjacent to mapped floodplains remain vulnerable to access disruptions and utility interruptions

during high-water events. Protecting access routes and ensuring continuity of operations are key OPS priorities tied to this plan.

Overall, the City's vulnerability to flooding is concentrated in a limited number of properties but poses outsized risk through repeated damages and recovery costs. Addressing RL/SRL sites remains a high-impact strategy for reducing long-term vulnerability for both the City and its residents.

Impact

City of Owasso:

- **Health and Safety of the Public:**
  Some drivers risk driving into flooded roadways, increasing the risk of injury or death. Warning time and location influence casualties.
- **Health and Safety of Responders:**
  Emergency responders may face hazards rescuing residents and providing services.
- **Continuity of Operations:**
  Temporary relocation of certain government facilities (e.g., Animal Shelter, Vehicle Services) may be necessary.
- **Property, Facility, and Infrastructure:**
  Localized flooding when rainfall exceeds drainage capacity can cause severe impacts in inundated areas.
- **Environmental Impact:**
  Flooding may cause severe ecological damage in affected areas.
- **Economic Impact:**
  Depends on flood severity, duration, depth, and area affected.

Damage Estimate (Based on 1-foot inundation depth):

- 300 Residential Properties: $8,836,767
- 71 Commercial Properties: $22,555,461
- 1 Agricultural Property: $20,629
- **Total Estimated Damage: $31,412,858**
- **Public Confidence:**
  Perceptions of preventability, warning adequacy, and response efficiency influence public trust.

Owasso Public Schools:

- **Health and Safety of Faculty, Staff, and Students:**
  School access may be limited by closed routes, though facilities are generally unaffected.
- **Continuity of Operations:**
  No major disruptions anticipated.
- **Property, Facility, and Infrastructure:**
  Parks, recreational facilities, and drainage-adjacent areas may be damaged by floodwaters.
- **Environmental Impact:**
  Landscaping and agricultural areas may suffer flood damage.
- **Economic Impact:**
  Repair costs may significantly impact school budgets.
- **Public Confidence:**
  Little expected impact unless severe response failures occur.

Flood Damage Prevention Ordinance:

- Ordinance No. . 367 on March 17, 1987,

FIRM Adoption:

- Current Flood Insurance Rate Maps (FIRMs) adopted July 2, 1981

Floodplain Development Permit Process:

- All proposed development within identified Special Flood Hazard Areas (SFHAs) requires a Floodplain Development Permit issued by the City.
- Applicants must submit site plans, elevation certificates, and other documentation as required by ordinance.

Substantial Improvement (SI) / Substantial Damage (SD):

- The City enforces SI/SD requirements in accordance with FEMA's 50% rule.
- Any structure determined to be substantially improved or damaged must be brought into compliance with current floodplain management standards.

Designated Floodplain Administrator:

- The Floodplain Development Office, under the Owasso Public Works Authority, serves as the designated Floodplain Manager.
- Responsibilities include reviewing permits, conducting inspections, maintaining records, and coordinating with the Oklahoma Water Resources Board (OWRB) and FEMA.

Table: Repetitive Loss (RL) and Severe Repetitive Loss (SRL) Properties

Jurisdiction / Area	RL Count	SRL Count	Property Type Notes
Owasso City	1	0	Residential
Tulsa County (outside city limits)	25	2	Residential and commercial mix
City of Tulsa	80	4	Residential and commercial mix
Total	106	6	

Maps

The following maps illustrate floodplain areas within Owasso and estimate populations impacted by census tract.

National Flood Hazard Layer FIRMette

FEMA



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *zone x*
- Future Conditions 1% Annual Chance Flood Hazard *zone x*
- Area with Reduced Flood Risk due to Levee. See Notes. *zone x*
- Area with Flood Risk due to Levee *zone 0*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *zone 0*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

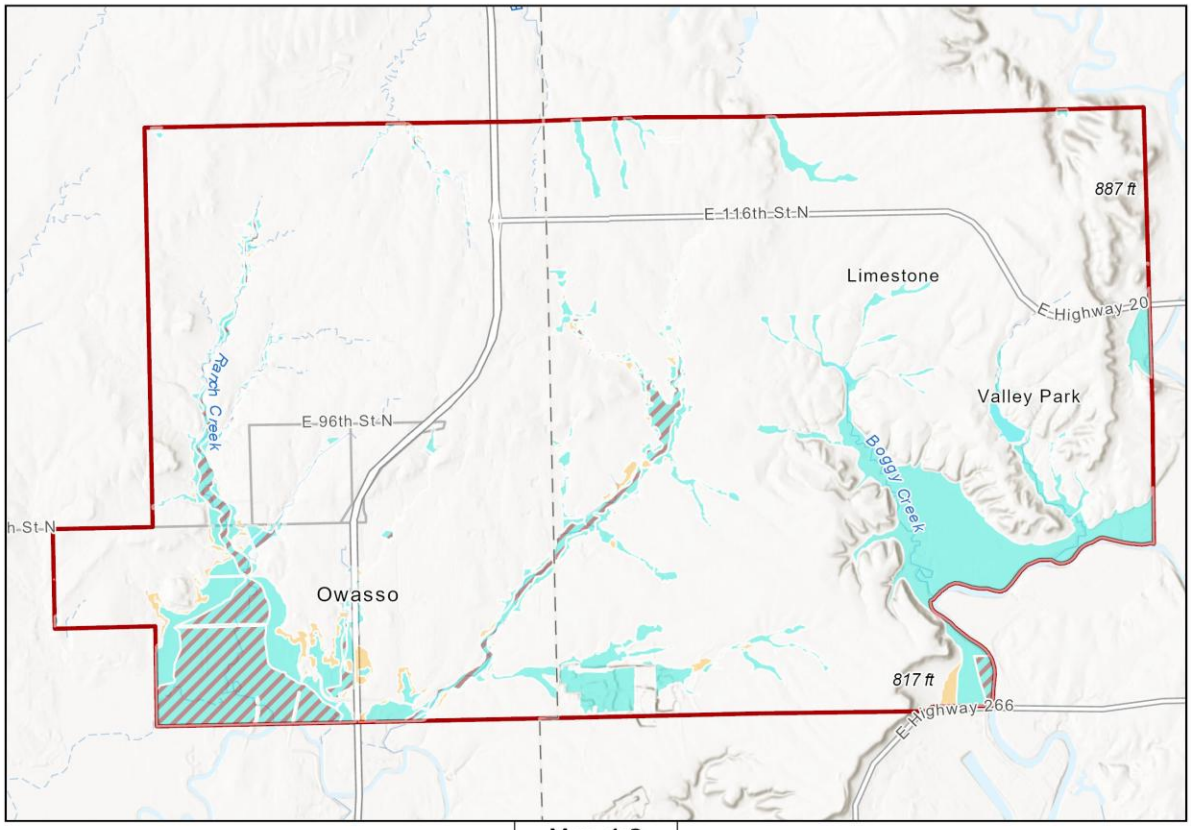
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/ 18 / 2025 at 9:58 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

0 250 500 1,000

City of Owasso Floodplain



Map 4:2

Owasso Area Statistics

Floodway, 100 year Floodplain, and 500 year Floodplain in the City of Owasso Fenceline.

Owasso Floodplain

- FLOODWAY
- 100 year Floodplain
- 500 year Floodplain

N

0 0.75 1.5 3 Miles

Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, and ESRI.

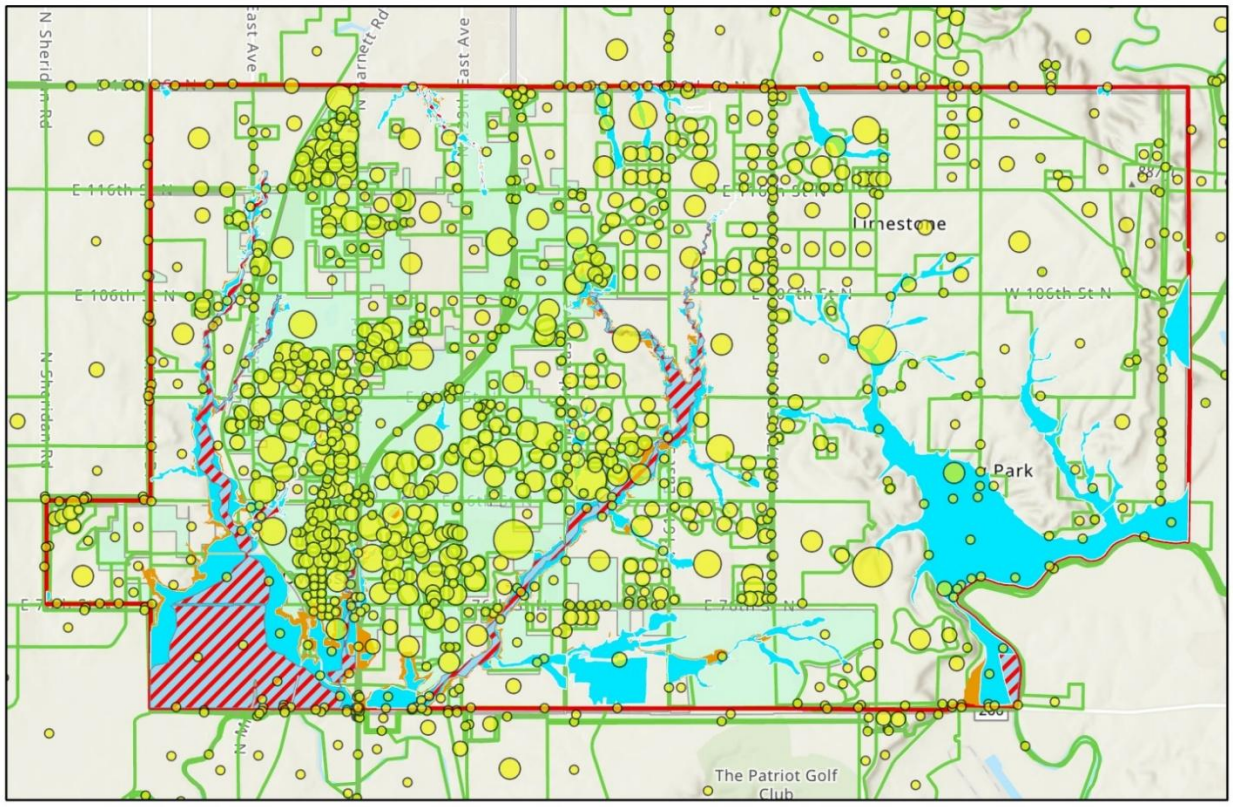
Date Exported: 6/18/2024 5:02 PM

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

This product has been produced by the City of Owasso for the sole purpose of geographic reference. No warranty is made by the City of Owasso regarding specific accuracy or completeness

Census Tracts

Population with Floodplain



Legend
- Owasso Fenceline
- Owasso City Limits
- Census Blocks

Floodplain
- 100 YEAR
- 500 YEAR
- FLOODWAY

Population
- ≤30
- ≤100
- ≤300
- ≤700
- ≤1500

0 0.5 1 2 3 Miles

N

OWASSO
REAL People • REAL Character • REAL Community

Map compiled by Michelle Mount, GIS Analyst, City of Owasso, Oklahoma.
Data derived from the US Census Bureau data collected during the 2014-2018 American Community Survey, FEMA floodplain website, and ESRI.

https://www.census.gov/
https://www.fema.gov/flood-maps

3.3.4 RL/SRL & Critical Facilities Exposure – Owasso/OPS (Draft Tables)

NFIP Repetitive Loss (RL) and Severe Repetitive Loss (SRL) Properties

Jurisdiction	Property Type	RL Count	SRL Count
City of Owasso	Residential	1	0
City of Owasso	Commercial	0	0
City of Owasso	Institutional	0	0
OPS (footprint)	Residential	0	0
OPS (footprint)	Commercial	0	0
OPS (footprint)	Institutional	0	0
Total		1	0

Critical Facilities & Lifelines Exposure Metrics

- **# of critical facilities in SFHA:**3
- **% of population in high wind risk zone (per ASCE 7 / tornado tracks):** 100%
- **# of OPS facilities in SFHA:** 1
- **# of facilities with backup power:** 6
- **# of essential facilities (EOCs, fire, police, schools used as shelters):** 14

3.3.5 Floodplain Management Framework

City of Owasso

- **Flood Damage Prevention Ordinance Adoption:** May 1992 (initial adoption when the City joined the NFIP).
- **Latest Effective FIRM Adoption Date:** May 16, 2019 (Tulsa Countywide FIRM effective for Owasso).
- **Substantial Improvement/Substantial Damage (SI/SD) Procedures:** SI/SD determinations are made in accordance with FEMA NFIP guidance. City staff review permit applications for cumulative improvements and conduct post-disaster inspections to document substantial damage.
- **Designated Office/Position:** City of Owasso Community Development Department — Floodplain Administrator.
- **Community Rating System (CRS):** As of 2024, Owasso is not currently a CRS-participating community.

Owasso Public Schools (OPS)

- **Facilities in SFHA:** Several OPS campuses (e.g., elementary schools near Elm Creek) include portions of their sites within the mapped SFHA.
- **Permitting & Compliance:** School construction and renovation projects within mapped flood hazard areas must obtain floodplain development permits through the City of Owasso (or Tulsa County where applicable). OPS coordinates with the City Floodplain Administrator to ensure compliance with NFIP standards. For any project in the SFHA, elevation certificates and SI/SD documentation are required.

3.3.6 Mitigation Action Inventory

Method: Actions are linked to hazard/vulnerability sections, classified as retrofit (existing) or risk-avoidance (new development), and include data/capability-building where gaps exist. Each entry specifies responsible department, funding sources, and timeframe.

Hazard	Action	Jurisdiction	Type	Responsible Department/Position	Funding Sources	Timeframe
Flooding	Elevate or floodproof critical public safety facilities identified in vulnerability assessment	City	Retrofit	Public Works / Floodplain Administrator	BRIC, HMGP, CIP	Medium (2–5 yrs)
Flooding	RL/SRL property outreach and acquisition offers	City	Retrofit	Community Development / Floodplain Administrator	FMA, HMGP	Medium (2–5 yrs)
Flooding	Develop detailed OPS facility flood exposure inventory	OPS	Data/Capability	OPS Facilities / Safety Director	BRIC (Capability), Local Funds	Short (≤2 yrs)
Severe Storms / High Wind	Harden school safe rooms and community shelters	OPS	Retrofit	OPS Safety & Facilities	HMGP, BRIC	Long (>5 yrs)
Severe Storms / High Wind	Adopt higher building standards (ASCE 7 tornado provisions) for new municipal buildings	City	Risk Avoidance	Building Department	Local CIP	Short (≤2 yrs)
Winter Storms	Expand tree-trimming and utility hardening program	City	Retrofit	Public Works / Utilities	HMGP, Local CIP	Medium (2–5 yrs)
Drought / Extreme Heat	Develop municipal water conservation and drought contingency plan	City	Risk Avoidance / Data	Utilities / Emergency Mgmt	BRIC, State Grants	Short (≤2 yrs)
Drought / Extreme Heat	Conduct OPS facility cooling load and HVAC resilience study	OPS	Data/Capability	OPS Facilities	Local Funds, Energy Grants	Short (≤2 yrs)
Earthquake	Retrofit vulnerable school structures (non-structural bracing)	OPS	Retrofit	OPS Facilities	HMGP, BRIC	Medium (2–5 yrs)
Earthquake	Update City building codes to current IBC seismic provisions	City	Risk Avoidance	Building Department	Local CIP	Short (≤2 yrs)

3.3.7 Status of Prior Plan Actions

Action	Status	Notes/Reason
Floodplain ordinance update	Completed	Adopted 2019 with new FIRM effective date
City safe room program	In Progress	Several shelters funded, construction ongoing
OPS HVAC backup generators	Deferred	Funding not yet secured, remains a priority
City stormwater master plan update	Completed	Integrated into Comp Plan 2021
OPS asset inventory	Dropped	Superseded by new GIS-based facilities inventory

Note: *Outcomes from the prior plan have been folded into ongoing planning and investment processes. Floodplain ordinance updates were codified in the City Code. Stormwater improvements were prioritized in the City's Capital Improvement Program (CIP). School safe room and HVAC resilience projects are tracked in OPS facility plans. Hazard mitigation priorities are referenced in the City Comprehensive Plan to ensure alignment with growth management and infrastructure investments.*

3.3.8 Plan Integration Mechanisms & Process

City of Owasso

- **Mechanisms:** Comprehensive Plan, Capital Improvement Program (CIP), Subdivision Regulations, Zoning Code, Building Code.
- **Process:** The Community Development Department, working with Public Works and Emergency Management, reviews mitigation actions annually each spring during the budget cycle. Recommended actions are forwarded to the Planning Commission for Comp Plan consistency review, and to City Council for adoption into the CIP or ordinance updates as needed. The Floodplain Administrator ensures compliance with NFIP standards when actions affect flood-prone areas.

Owasso Public Schools (OPS)

- **Mechanisms:** School Capital Improvement Plan, Facility Maintenance Plan, Safety and Security Plan.
- **Process:** The OPS Facilities Department and Safety Director review mitigation priorities each summer in coordination with annual budget planning. Proposed projects are incorporated into the OPS Capital Plan and reviewed by the School Board for approval. Projects in SFHA or hazard-prone areas are coordinated with the City Floodplain Administrator. Progress is revisited annually, with a 5-year comprehensive review aligned to the hazard mitigation plan update cycle.

3.3.9 High Winds

Description

High winds are very strong air currents near the Earth's surface caused by thunderstorms, cold front passages, or pressure gradients between high and low-pressure areas. These winds are often called "straight-line" winds to distinguish them from tornadic winds.

- **High Wind:** Sustained non-convective winds of 35 knots (40 mph) or greater lasting for 1 hour or more, or winds (sustained or gusts) of 50 knots (58 mph) for any duration. In mountainous areas, thresholds are higher (43 knots/50 mph sustained and 65 knots/75 mph gusts). High Wind excludes severe local storms, tropical cyclones, or winter storms.
- **Strong Wind:** Non-convective gusts less than 50 knots or sustained winds below 35 knots causing injury, fatality, or damage. Mountain regions may have higher criteria.
- **Thunderstorm Wind:** Winds from convection (within 30 minutes of lightning) of at least 50 knots (58 mph), or lesser speeds if causing fatalities, injuries, or damage.
- **Derecho:** A widespread, long-lived windstorm associated with a band of rapidly moving showers or thunderstorms. If damage extends more than 240 miles with wind gusts ≥58 mph, the event may be classified as a derecho.

Location

The Beaufort wind scale (1 to 12) is used to classify wind speeds. The planning area can experience winds across the entire scale. Winds exceeding 58 mph are considered dangerous for planning purposes.

The map below shows an average of 1.25 to 1.5 days per year with severe thunderstorm wind reports over 57 mph in the planning area.

Previous Occurrences

Date	Time	Location	Damage Scale	Injuries	Fatalities	Description
6/28/2014	2:38 PM	3.2 mi E/NE of Owasso	10	None	None	Severe thunderstorm winds >60 mph knocked down fences; debris traveled ~100 yards.
5/16/2015	10:35 PM	Owasso	11	None	None	Severe thunderstorms produced 70 mph gusts.
10/19/2016	4:29 PM	Owasso	10	None	None	Severe thunderstorm produced 60 mph gusts.
5/11/2017	5:42 PM	4 mi E of Owasso	10	None	None	Severe thunderstorm produced 60 mph gusts.
8/7/2018	4:30 PM	Owasso	10	None	None	Severe thunderstorm produced 60 mph gusts.
8/30/2019	3:33	2 mi NE of Owasso	10	None	None	Severe thunderstorm produced 60 mph gusts.
4/28/2020	5:53	Owasso	11	None	None	Severe thunderstorm produced 70 mph gusts.
7/11/2020	20:24	2 mi N of Owasso	10	None	None	Severe thunderstorm winds >60 mph.
7/30/2020	01:39	Owasso	11	None	None	Severe thunderstorms winds >70 mph.
10/25/2022	03:53	Owasso	10	None	None	Severe thunderstorms winds >60 mph.
03/31/2023	13:25	Owasso	10	None	None	Severe thunderstorms winds >60 mph.

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
High Wind	Possible	1.85	Moderate

Vulnerability and Impact

City of Owasso:

- *Structural:* Possible window, roof, and outbuilding damage.
- *Human:* Injuries from flying debris for those caught outdoors.
- *Social/Political:* None noted.
- *Cultural/Organizational:* Cultural properties vulnerable to damage from flying debris.
- *Resource/Informational:* Public education needed on safe sheltering locations away from windows.
- *Economic:* Repair costs can be significant depending on storm severity.
- *Environmental:* Potentially extensive damage to vegetation.

Owasso Public Schools:

- *Structural:* Possible damage to windows, roofs, outbuildings, covered walkways, and bus shelters.
- *Human:* Risk of injury outdoors from debris.
- *Social/Political:* None noted.
- *Cultural/Organizational:* Potential damage to school buses.
- *Resource/Informational:* Education needed on safe refuge areas.
- *Economic:* Repair costs could be significant depending on severity.
- *Environmental:* Vegetation damage possible.

Impact

City of Owasso:

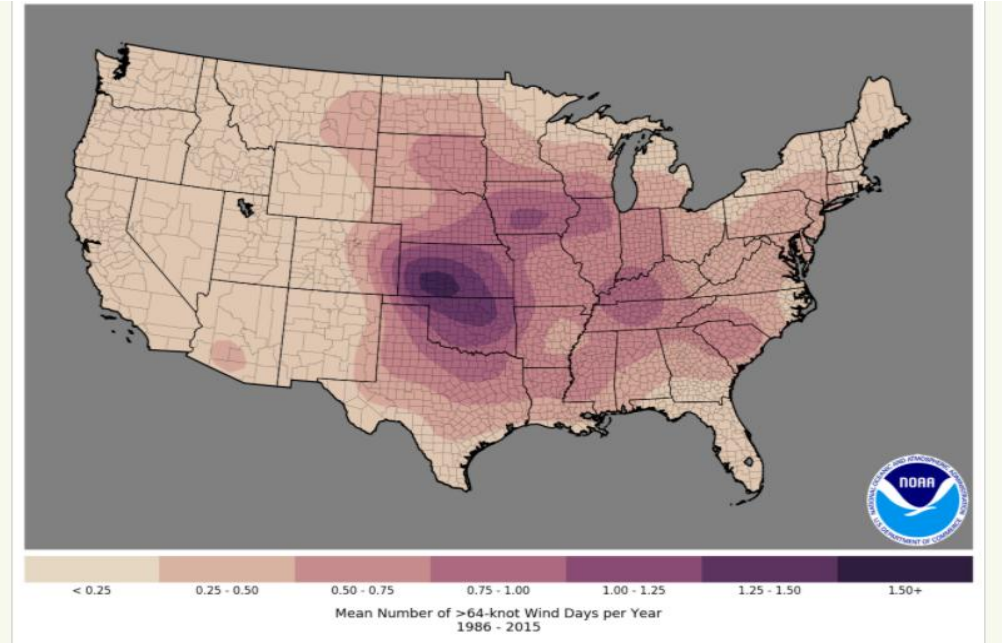
- *Health and Safety:* Severe impact possible if shelter is unavailable; casualties depend on warnings.
- *Health and Safety of Responders:* Minimal impact expected.
- *Continuity of Operations:* Temporary or long-term facility relocation may be necessary.
- *Property, Facility, Infrastructure:* Rain inundation and rooftop equipment damage possible; mobile homes especially vulnerable.
- *Environmental:* Severe localized impact diminishing with distance.
- *Economic:* Impact dependent on wind severity.
- *Public Confidence:* May be questioned based on warning effectiveness and response timeliness.

Owasso Public Schools:

- *Health and Safety:* Impact severity depends on shelter availability; loss of air handling equipment may affect classroom comfort.
- *Continuity of Operations:* Temporary to long-term relocations may be necessary.
- *Property, Facility, Infrastructure:* Rain inundation and rooftop equipment damage possible.
- *Environmental:* Localized severe impact with decreasing severity outward.
- *Economic:* Damage-related costs depend on wind severity.
- *Public Confidence:* May be questioned based on warning and recovery effectiveness.

Building Standards

To withstand high winds, the U.S. is divided into four wind zones (Zone 4 being the most severe). HUD, FEMA, and NFPA adopt building codes based on ASCE 7 (Minimum Design Loads for Buildings and Other Structures), incorporating these wind zone classifications.



3.3.10 Severe Storms

Description

Thunderstorms are common in the Midwest and Central United States. All thunderstorms pose hazards, including lightning — a natural electrical discharge of very short duration and high voltage between clouds or between cloud and ground, accompanied by bright flashes and thunder.

Location

Severe thunderstorms producing lightning have historically occurred throughout the Owasso planning area. Lightning intensity can be measured by:

- Number of strikes per minute (electrical activity)
- Voltage of strikes (average ~300 million volts at 30,000 amps)
- Energy released (measured in Megajoules per square meter after the event)

Currently, no detailed lightning intensity data for Owasso is available, so no damage scale or intensity rating is used here. Only damaging lightning events are recorded by the City and Owasso Public Schools.

Recorded Lightning Events Causing Damage

Date	Time	Location	Injuries	Fatalities	Description
08/19/2015	4:30	9000 Block of N 186th East Ave	None	None	Lightning struck home causing fire; property destroyed.
08/06/2016	2:30	7700 Block of N 26th East Ave	None	None	Lightning struck home causing fire; property destroyed.
08/17/2017	12:01	West of Hwy 169 near 86th St N	None	None	Lightning struck home causing fire; heavy damage.
05/23/2018	4:33	Near 86th St N and Sheridan Rd	None	None	Lightning struck home causing fire; heavy damage.
07/25/2021	17:00	36.27/-95.85	None	None	Strong thunderstorm winds snapped large tree limbs, some fell on vehicle.
08/13/2023	23:17	36.28/-95.88	None	None	Strong thunderstorm winds snapped large tree limbs and blew down power lines.
10/04/2023	18:15	36.2495/-95.8436	None	None	Strong thunderstorm winds blew down power lines across E 66th St N (SE Owasso).
06/26/2024	06:28	36.2121/-95.85	None	None	Thunderstorm wind gusts measured at 58 mph.
11/03/2024	04:20	36.2866/-95.8998	None	None	Strong thunderstorm winds damaged roofs, snapped large tree limbs.

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
Severe Storm	Highly Likely	3.05	High

Vulnerability and Impact

City of Owasso:

- **Structural:** Lightning can damage buildings, electrical systems, and cause fires.
- **Human:** Outdoor individuals risk injury or death from strikes.
- **Social/Political:** None noted.
- **Cultural/Organizational:** Loss of historic properties or records from lightning would be devastating.
- **Resource/Informational:** Public education on lightning protection is limited; compliance may be suboptimal.
- **Economic:** Power outages and business interruptions affect the economy, depending on restoration time.
- **Environmental:** Generally not a significant threat environmentally.

Owasso Public Schools:

- Same vulnerabilities as the City — risk of structural damage, injury outdoors, power loss, and disruption to operations.

Impact

City of Owasso:

- **Health & Safety of Public:** Severity depends on location and shelter availability; being outdoors during strikes is very dangerous.
- **Health & Safety of Responders:** More casualties stress emergency services.
- **Continuity of Operations:** No direct impact anticipated.
- **Property/Infrastructure:** Power lines, street lights, traffic signals may be damaged; debris on roads.
- **Environmental:** Localized impact near strike zones.
- **Economic:** Severity-dependent losses in utilities, businesses, and services.
- **Public Confidence:** Could erode if response and recovery are slow or ineffective.

Owasso Public Schools:

- Similar impacts to City. Possible utility outages and physical damage could disrupt operations and safety.

3.3.11 Soil Hazards

Description

An earthquake is a sudden, violent shaking of the ground caused by the abrupt release of energy within the Earth's lithosphere. This energy release generates seismic waves that cause movements in the Earth's crust. Earthquakes occur along fault zones throughout Oklahoma when accumulated stress overcomes friction and causes faults to slip.

Location

Historically, earthquakes have occurred in and near the Owasso planning area, as several fault lines are identified nearby.

Two standard scales are used to classify earthquake magnitude and effects:

- **Richter Scale:** Quantitative measure of earthquake magnitude (size), based on the logarithm of seismic wave amplitude.
- **Modified Mercalli Intensity Scale:** Qualitative measure describing earthquake effects at a location, including damage to structures, natural features, and people. This scale differs from magnitude, as it reflects local impact rather than energy released.

Magnitude	Mercalli Intensity	Description	Earthquake Effect
2	I Instrumental	Not felt except by very few under especially favorable conditions.	Minimal
2	II Feeble	Felt only by a few persons at rest, especially on upper floors of buildings.	Minimal
3	III Slight	Felt noticeably indoors, especially upper floors. Many don't recognize as earthquake. Cars may rock slightly.	Slight
3	IV Moderate	Felt indoors by many, outdoors by few. Some awakened. Minor disturbance of windows, dishes, doors.	Minimal
4	V Rather Strong	Felt by nearly everyone; some dishes/windows broken. Unstable objects overturned.	low

Magnitude	Mercalli Intensity	Description	Earthquake Effect
5	VI Strong	Felt by all, many frightened. Slight damage such as fallen plaster; heavy furniture moved.	Moderate
5	VII Very Strong	Negligible damage to good structures; moderate damage to ordinary; considerable damage to poor construction.	Moderate
6	VIII Destructive	Slight damage in specially designed buildings; considerable in ordinary; heavy damage in poorly built.	High
7	IX Ruinous	Considerable damage, some building collapse. Buildings shifted off foundations.	Very High
7	X Disastrous	Many buildings destroyed; rails bent.	Very High
8	XI Very Disastrous	Few masonry structures remain standing. Bridges destroyed.	Extreme
8	XII Catastrophic	Total damage; objects thrown in air; ground surface distorted.	Extreme

Previous Occurrences

- Earthquakes below magnitude 3.0 are generally considered minor and often not felt.
- Since 1931, 36 earthquakes have been recorded in the Owasso area.
- No earthquakes magnitude 3.0 or higher have originated within the planning area between 2014 and 2020.
- Notably, two magnitude 5.6 earthquakes near Prague (Nov 5, 2011) and Pawnee (Sept 3, 2016) were felt in Owasso, with no reported injuries and minor damage limited to unsecured items falling.
- Nine man-made explosive blasts at a quarry southeast of Owasso have registered between magnitude 2.1 and 2.6; these caused no damage.
- The Planning Team is monitoring the potential link between seismic activity and injection well operations in nearby counties.

Probability and Risk Calculation

Natural Hazard	Probability	CPRI	Overall Ranking
Soil Hazards	Possible	1.90	Low

Vulnerability and Impact

City of Owasso:

- **Structural:** Unreinforced masonry structures (e.g., downtown brick buildings) are most at risk. Most buildings are not constructed to earthquake-resistant standards, especially older infrastructure.
- **Human:** Injuries or fatalities may occur due to lack of preparedness and unsecured objects falling during shaking. Damage to water and sewer infrastructure could cause health hazards.
- **Social/Political:** Large earthquakes may limit political access and services in affected areas.
- **Cultural/Organizational:** Minor damage possible to historic structures and museum collections.
- **Resource/Informational:** Public awareness and education on earthquake preparedness are limited; communications may be disrupted post-event.

- **Economic:** Direct economic effects may be limited but could include costly structural repairs and disruptions to services. Large events could lead to resource shortages.
- **Environmental:** Damage to vegetation and possible land subsidence.

Owasso Public Schools:

- Structural vulnerability mirrors that of the City; older buildings at greater risk.
- Injuries possible from lack of preparedness; anxiety among students may rise.
- Disruptions to routine social structures may affect faculty, staff, and students.
- Economic impact includes repair costs and potential loss of funding if property taxes are affected.
- Environmental impacts same as the City.

Impact

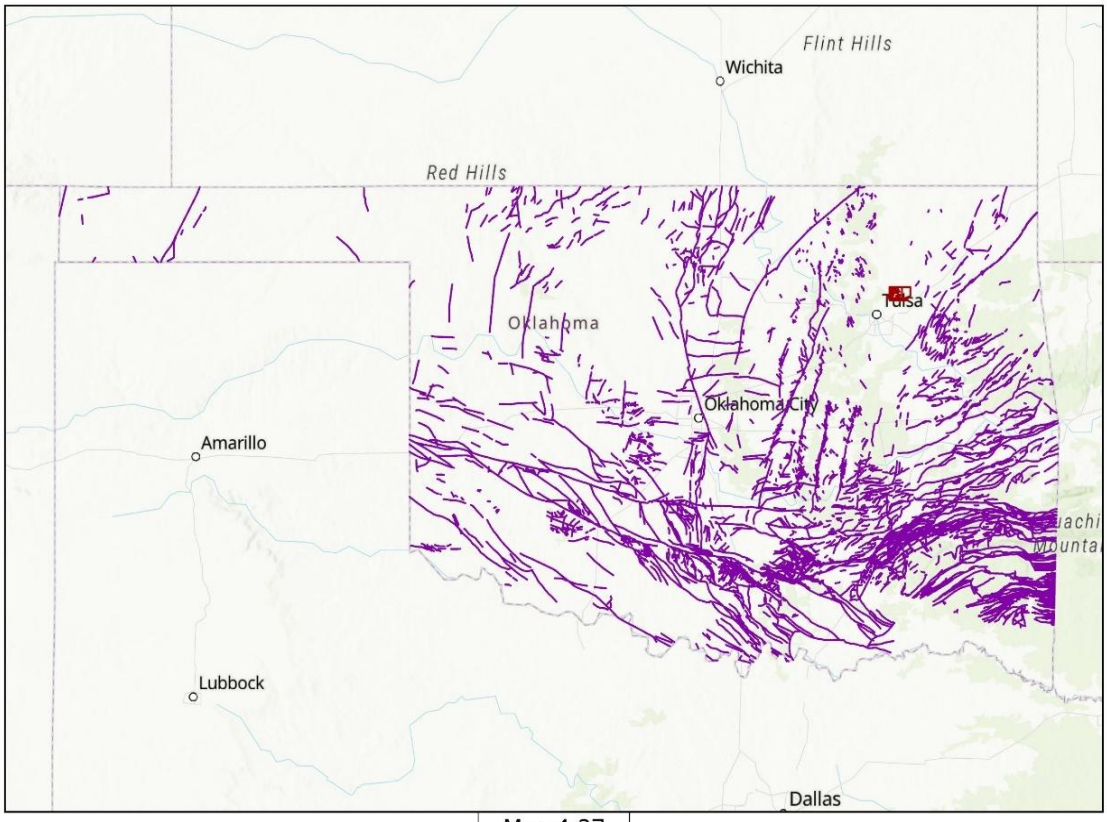
City of Owasso:

- **Health and Safety:** Depends on severity and proximity to epicenter; greater risk near the fault.
- **Responders:** Emergency response impacted by event severity and location.
- **Continuity of Operations:** May require relocation, prioritization of essential services, and could severely disrupt services.
- **Property and Infrastructure:** Damage ranges from minimal to severe; structural failures possible.
- **Environment:** Severe topological changes and destruction possible.
- **Economy:** Likely long-lasting impacts dependent on severity and location.
- **Public Confidence:** Could decline if earthquake preparedness and recovery are insufficient.

Owasso Public Schools:

- Similar impacts affecting safety, operations, property, environment, and economic stability.
- Public confidence tied to ability to safely return students to classrooms.

Fault Lines in Oklahoma



Map 4:27

Owasso Area Statistics

The map above represents the fault lines in Oklahoma that could impact to the City of Owasso and the Owasso fenceline.

Owasso City Limits and Fenceline

Oklahoma Fault Lines

N

0 1.252.5 5 Miles

Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, OWRB, and ESRI.

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This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

This product has been produced by the City of Owasso for the sole purpose of geographic reference. No warranty is made by the City of Owasso regarding specific accuracy or completeness

3.3.12 Tornado

Description

A tornado is a mobile, destructive vortex of violently rotating winds in contact with the Earth's surface, typically appearing as a funnel-shaped cloud beneath a larger storm system. Tornadoes usually occur during midafternoon to early evening but can form at any time when atmospheric conditions—wind shear, lift, instability, and moisture—are favorable. In Oklahoma, spring is the peak tornado season, although tornadoes can happen year-round.

Location and Scale

The Enhanced Fujita (EF) Scale is used to rate tornadoes based on estimated wind speeds and damage surveyed after the event. Both the City of Owasso and Owasso Public Schools use this scale to assess tornado impact.

EF Category	Wind Speed (mph)	Potential Damage
EF-0	65-85	Light damage: Peels surfaces off roofs; some damage to gutters or siding; broken branches; shallow-rooted trees pushed over.
EF-1	86-110	Moderate damage: Roofs severely stripped; mobile homes overturned or badly damaged; windows and doors broken.
EF-2	111-135	Considerable damage: Roofs torn off well-built houses; foundations shifted; large trees snapped or uprooted; cars lifted.
EF-3	136-165	Severe damage: Entire stories destroyed; severe damage to large buildings; trains overturned; heavy cars thrown.
EF-4	166-200	Devastating damage: Well-constructed houses leveled; cars thrown; small missiles generated.
EF-5	>200	Incredible damage: Strong frame houses swept away; automobile-sized missiles flying over 100 yards; significant structural deformation in high-rises.

Historical Occurrences

Since 1950, 7 tornadoes have been recorded in the Owasso planning area according to the Midwestern Regional Climate Center.

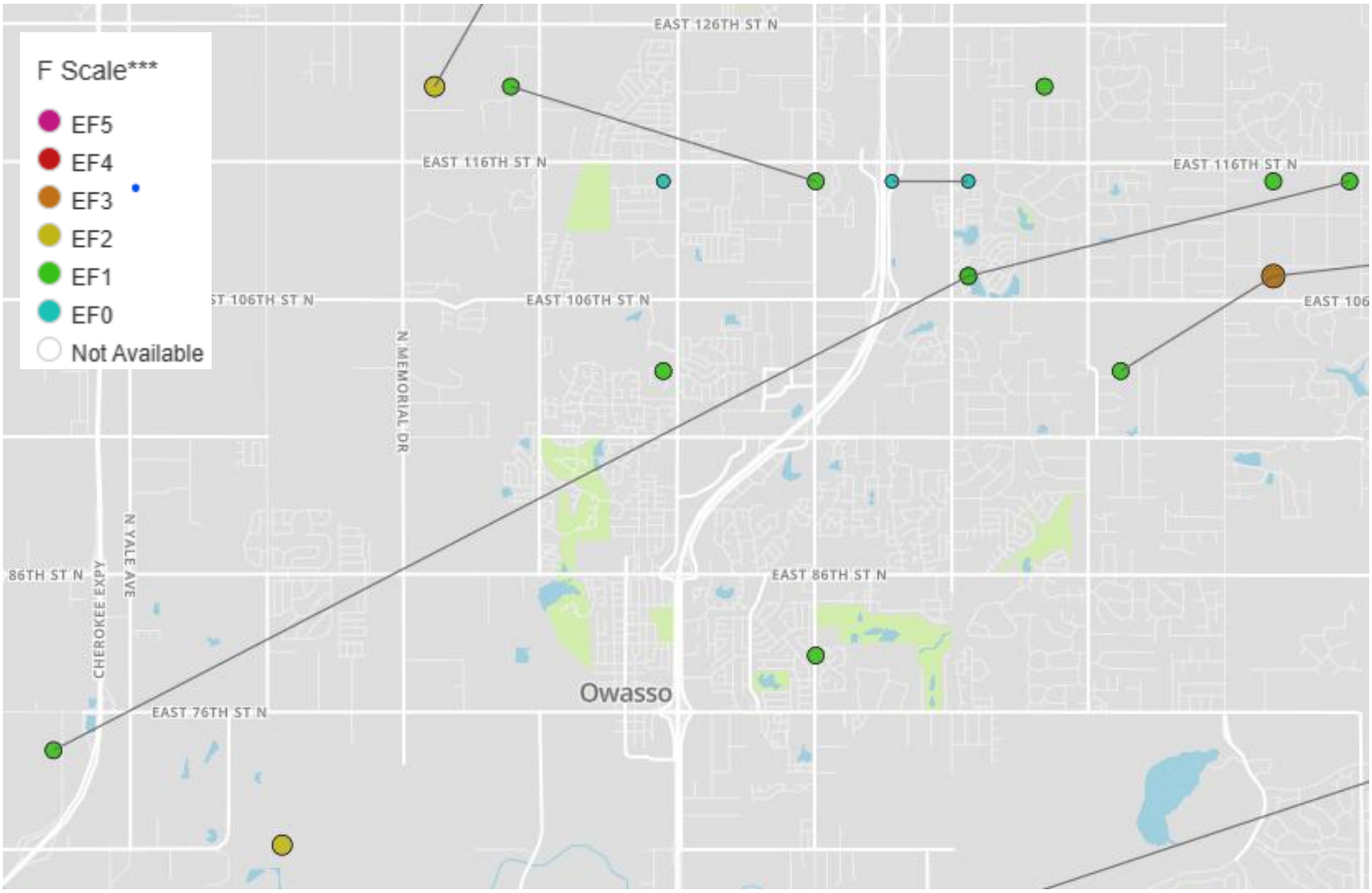
Date	Time	Location	EF Rating	Injuries	Fatalities	Description
4/2/1956	10:30	Near Owasso	EF1	0	0	Path 0.3 miles long, 33 yards wide
6/14/1985	10:55	North part of Owasso	EF1	0	0	Path 0.2 miles long, 5 yards wide
6/18/1996	11:10	3 miles north of Owasso	EF0	0	0	Path 0.1 miles long, 25 yards wide
3/30/2016	7:36	Stone Canyon Addition	EF2	0	0	Path 6.4 miles long, 550 yards wide
5/11/2017	13:01	Hwy 20 & 177th East Avenue	EF1	0	0	Path 1.5 miles long 300 yards wide
5/21/2019	5:48	3.8 miles NNE of Owasso	EF0	0	0	Path 0.6 miles long, 100 yards wide

Date	Time	Location	EF Rating	Injuries	Fatalities	Description
4/2/2025	6:40	96th St. N. and Mingo moving NE	EF1	0	0	76 St. N. and Hwy 75 moving NE to 145 E. Ave. and Hwy 20,

Probability and Risk Calculation

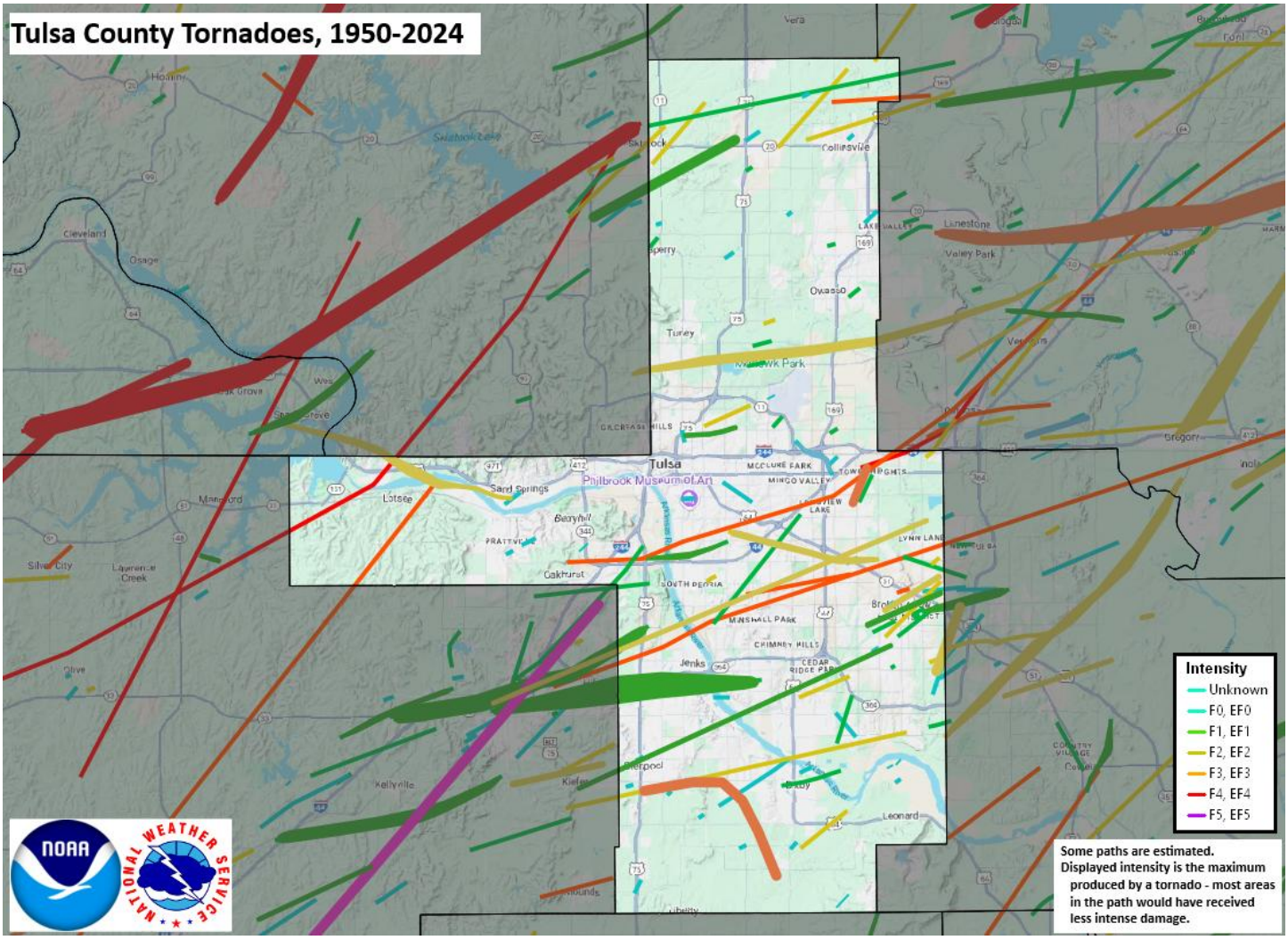
Natural Hazard	Probability	CPRI	Overall Ranking
Tornado	Possible	2.15	Moderate

Tornadoes in the City of Owasso and Owasso Public School's planning area



Source: National Oceanic and Atmospheric Administration

*** Enhanced Fujita Scale describes the strength of the tornado based on the amount and type of damage caused by the tornado. The F-scale of damage will vary in the destruction area; therefore, the highest value of the F-scale is recorded for each event. EF0 – Light Damage (40 – 72 mph), EF1 – Moderate Damage (73 – 112 mph), EF2 – Significant damage (113 – 157 mph), EF3 – Severe Damage (158 – 206 mph), EF4 – Devastating Damage (207 – 260 mph), EF5 – Incredible Damage (261 – 318 mph)



Vulnerability and Impact

City of Owasso:

- **Structural:** Diverse residential construction; mobile and manufactured homes (more common in rural areas) are highly vulnerable. Damage severity depends on tornado wind speed and building wind resistance. All critical facilities are exposed; only the Emergency Operations Center is underground, with other buildings having designated refuge areas. Tornadoes can cause significant infrastructure damage and block access with debris.
- **Human:** Entire population at risk, particularly in densely populated areas like apartments, mobile home parks, and commercial centers which often lack adequate shelter space. Social vulnerability increases risk in lower-income areas, those with language barriers, and less education.
- **Cultural/Organizational:** Potential loss of culturally or historically significant properties and civic buildings could deeply affect community heritage.
- **Resource/Informational:** Public tornado awareness campaigns have likely plateaued; new warning technologies may lead to warning fatigue or confusion, reducing protective responses.
- **Economic:** Economic losses depend on length of business closures and damage to retail/commercial zones, leading to potential declines in sales tax revenue.

- **Environmental:** Tornadoes can disperse hazardous debris (e.g., asbestos) and household chemicals, contaminating soil and water, harming wildlife and ecosystems.

Owasso Public Schools:

- **Structural:** All school buildings are susceptible to damage. Portable classrooms are especially vulnerable to high winds. Only one of 13 school facilities currently has an F5-rated Safe Room; others rely on designated refuge areas. Plans exist to add Safe Rooms in new construction.
- **Human:** All students, staff, and visitors face tornado-related injury risks. Annual tornado drills and plans are in place, including bus route drills.
- **Social/Political:** Vulnerability influenced by population growth, poverty, language, disability, and housing types.
- **Cultural/Organizational:** Extra-curricular activities extend exposure during times of higher tornado risk.
- **Resource/Informational:** Weather monitoring and risk communication are limited, impacting timely protective actions.
- **Economic:** Physical damage depends on tornado severity; indirect losses include increased insurance and transportation costs.
- **Environmental:** Environmental contamination risks as noted above.

Impact

City of Owasso:

- **Health and Safety:** High risk of casualties and fatalities in tornado paths without adequate shelter, dependent on warning quality and lead time.
- **Responders:** Emergency responders may be directly affected, requiring adequate shelter and preparation.
- **Continuity of Operations:** Damage to government and critical facilities may force temporary or permanent relocation.
- **Property/Infrastructure:** Severe localized damage possible; loss of power and communication systems likely, necessitating alternate methods.
- **Environmental:** Severe impact at tornado site; soil and water contamination concerns.
- **Economic:** Varies by tornado path and severity; significant potential losses.
- **Public Confidence:** Recovery and response effectiveness influence public trust; delays or failures may erode confidence.

Owasso Public Schools:

- **Health and Safety:** Psychological impacts on students possible; injury risk during tornado events.
- **Continuity of Operations:** May require relocation or alternate facilities temporarily or permanently.
- **Property/Infrastructure:** Damage severity dependent on tornado intensity.
- **Environmental:** Damage to natural surroundings affecting ecosystem and food chain.
- **Economic:** Losses tied to property damage and secondary economic effects.
- **Public Confidence:** Tornado impacts can reduce trust and cooperation in recovery efforts.

3.3.13 Wildfire

Description

Unplanned, uncontrolled fires in areas of combustible vegetation that can spread into developed areas. Threatens homes, businesses, utilities, agriculture, and natural resources.

Location & Extent

Fire Size Classes (National Wildfire Coordinating Group)

Class	Acres Burned
A	≤ 0.25
B	0.25–<10
C	10–<100
D	100–<300
E	300–<1,000
F	1,000–<5,000
G	≥ 5,000

Fire Danger Ratings (National Fire Danger Rating System)

Class	Color	Danger Level	Description
1	Green	Low	Fires not easily started; slow spread.
2	Blue	Moderate	Fires start easily; rapid spread possible; watch slopes & fine fuels.
3	Yellow	High	Fires start/spread easily; spotting common; control difficult if delayed.
4	Orange	Very High	Fires start very easily; intense, fast-moving; spotting & fire whirls possible.
5	Red	Extreme	Explosive fire behavior; direct attack rarely possible; extreme danger to life/property.

History

- 352 wildfires (2020–2025) — mostly small grass/brush fires.
- 80% human-caused.
- Most incidents quickly suppressed.

Example recent events (Class B fires):

Incident Number	Alarm Date	Code	Incident Type	Location Street Address
2025-00004563	08/08/2025	142	Brush/brush grass mixture fire	5711 E. 86th St. N.

2025-00004510	08/06/2025	142	Brush/brush grass mixture fire	9719 N. 145th E. Ave.
2025-00004332	07/27/2025	142	Brush/brush grass mixture fire	10512 N. 110th E. Ave.

Probability & Risk

Hazard	Probability	CPRI	Overall Risk
Wildfire	Possible	2.10	Moderate

Vulnerability & Impacts

City of Owasso

- **Structural:** Highest risk in Wildland–Urban Interface (WUI) zones.
- **Human:** Smoke can block escape routes & cause respiratory distress.
- **Economic:** Agriculture at highest risk; damage possible to property, roads, utilities.
- **Environmental:** Habitat loss, soil alteration, GHG emissions, and ecosystem changes.
- **Governance/Public Confidence:** Effective, timely response essential to maintain trust.

Value at Risk: $2.35B total (structures & contents) — actual losses likely far lower due to suppression.

Owasso Public Schools

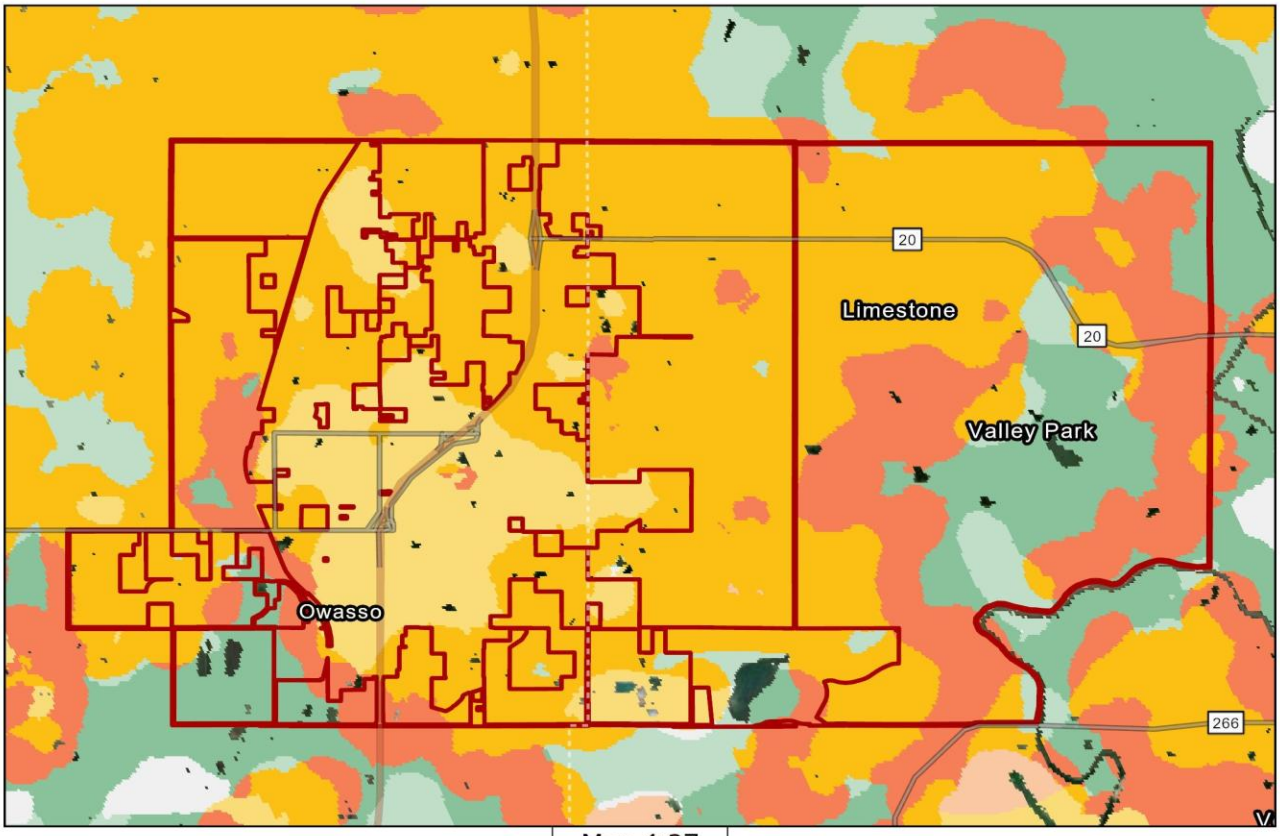
- **Structural:** All campuses within 0.5 miles of WUI; Barnes Elementary most exposed.
- **Human:** Injury and trauma risks, especially for children; long-term stress possible.
- **Economic:** High prevention costs; potential tax revenue loss from property value decline.
- **Environmental:** Erosion, poor air quality, and increased flooding risk.

Impact Summary Table

Category	City of Owasso	Owasso Public Schools
Health & Safety	Severe risk to those in immediate area; smoke inhalation hazard to responders.	Potential injuries, emotional trauma, long-term stress in students/staff.
Continuity of Operations	Possible facility relocation or service disruption.	Alternate learning sites needed if damage occurs.
Property & Infrastructure	Damage to homes, businesses, roads, utilities.	Water/infrastructure risk; high suppression costs.
Environment	Habitat loss, air pollution, soil degradation.	Erosion and air quality issues.
Economic	Agriculture & property losses; potential infrastructure repair costs.	Decline in property values & tax revenue.
Public Confidence	Dependent on speed/effectiveness of response.	Dependent on warning systems & response quality.

The map below indicates the Wildland/Urban Interface for the planning area.

City of Owasso
Wildland Urban Interface



Map 4:27

Owasso Area Statistics

This map shows the wildland-urban interface and the changes from 2019-2025 across the Owasso planning area to help support wildland research, policy and management.

City_Limits_with_Fenceline

Global Wildland-Urban Interface

ClassName

- WUI intermix of buildings with forest, shrub, or wetland
- WUI interface of buildings with forest, shrub, or wetland
- WUI intermix of buildings and grasslands
- WUI interface of buildings and grasslands
- Non-WUI forest, shrub, or wetland
- Non-WUI grasslands
- Non-WUI urban area
- Non-WUI other
- Water

N

0 1 2 4 Miles

Map compiled by Michelle Mount, GIS Analyst, City of Owasso. Map derived from data provided by the City of Owasso, INCOG, Tulsa County, USFS, and ESRI.

Date Exported: 4/14/2025 5:31 PM

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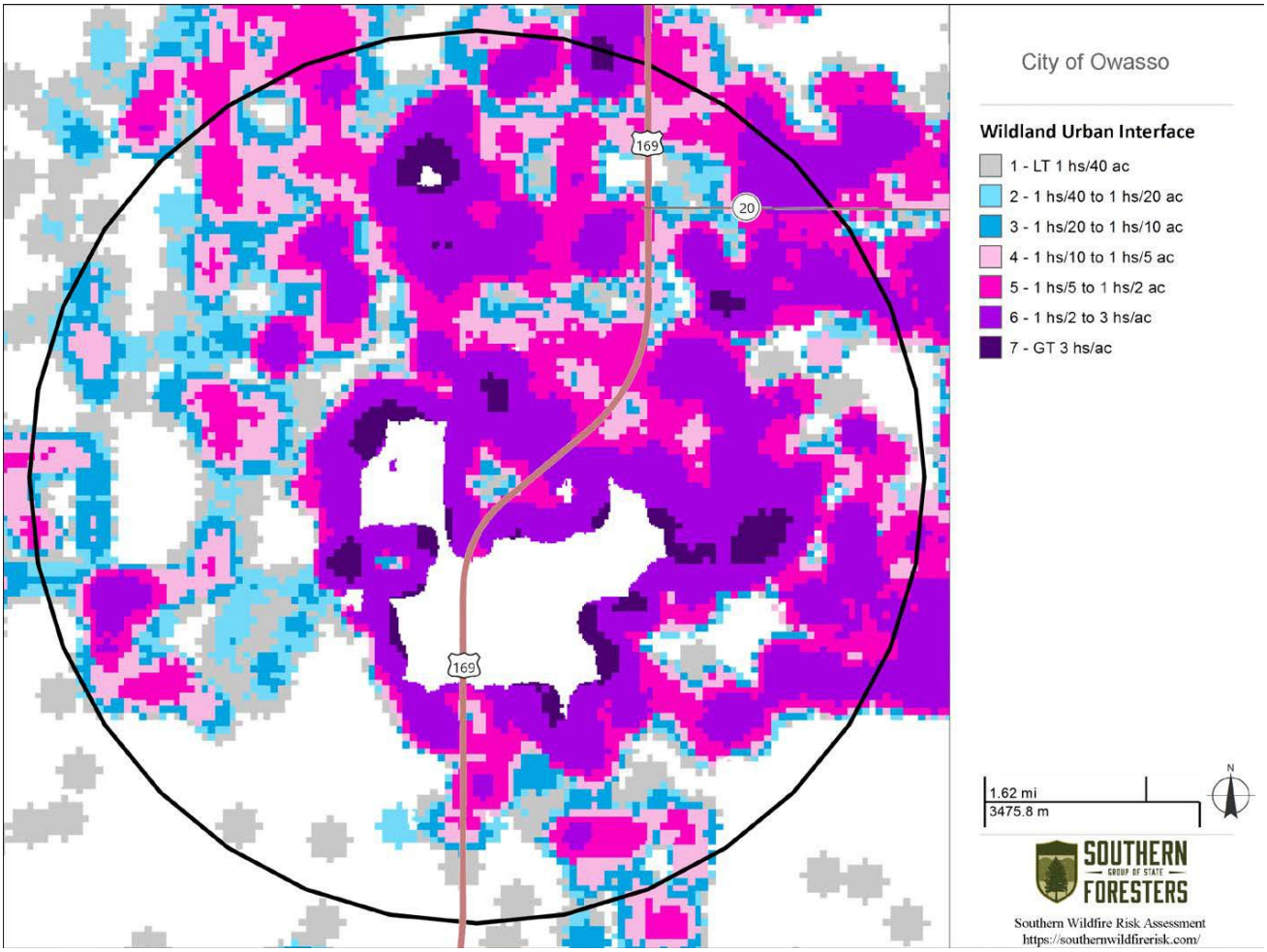
Location

Areas at greatest risk of wildfire in the planning area include wildland-urban interface zones, undeveloped or heavily vegetated areas, and regions adjacent to parks or open space. Specific locations should be identified using local GIS data, historical wildfire records, and vegetation/fuel maps. Both the City of Owasso and Owasso Public Schools should be considered when mapping vulnerable facilities and properties.

Within the City of Owasso, areas at risk of wildfire are primarily located along the Wildland–Urban Interface (WUI) where residential development meets open space, grasslands, or wooded tracts. Higher-risk locations include:

- The northern and eastern edges of the city where subdivisions border wooded areas and undeveloped land.
- Bailey Ranch Golf Course, Centennial Park, and Rayola Park, which contain heavy vegetation and open grasslands.
- Utility corridors and pipeline rights-of-way with unmanaged grasses.
- Highway 169 and railroad corridors, where roadside fires have the potential to spread into nearby fields or neighborhoods.

According to the Oklahoma Forestry Services (OFS) Wildland–Urban Interface Map and FEMA's National Risk Index, Owasso has several WUI zones classified as moderate to high wildfire risk, particularly in the northern and eastern planning area.



Extent

- Wildfires in Owasso are typically grass and brush fires, which can ignite quickly and spread under hot, dry, and windy conditions.
    - Low-intensity fires: Small grass fires contained within open fields, minimal impact to structures.
    - Moderate-intensity fires: Brush and light timber fires threatening neighborhoods along the WUI or city parks.
    - High-intensity fires (worst-case): Large-scale fires fueled by drought, high winds, and heavy vegetation, potentially requiring evacuations and threatening multiple homes and infrastructure.

While most wildfire incidents in Owasso are small and suppressed quickly, the potential exists for large and damaging events during prolonged drought or extreme weather conditions.

Hazard	Location / Areas at Risk	Extent / Severity	Jurisdictions Affected
Wildfire	Wildland-urban interface zones, undeveloped or heavily vegetated areas, and regions adjacent to parks or open space	Impacts may range from minor grass/brush fires causing localized property damage to large, fast-moving fires causing extensive structural damage, road closures, evacuations, and potential injuries or loss of life	City of Owasso, Owasso Public Schools

3.3.14 Winter Storms

Description

- **Winter Storm:** Snow, sleet, freezing rain, strong winds, below-freezing temps.
- **Severe Winter Storm:** ≥4" snow in 12 hrs or ≥6" in 24 hrs.
- **Blizzard:** Snow + winds ≥35 mph, visibility near zero.
- **Freezing Rain:** Rain freezes on contact → ice glaze on surfaces.
- **Sleet:** Ice pellets, bounce on impact, accumulate like snow.
- **Ice Storm:** Prolonged freezing rain, damaging trees, utilities, travel.
- **Wind Chill:** Combination of wind + temperature; dangerous below -19°F.

Location

While the Oklahoma Panhandle typically faces the highest frequency and severity of winter storms in the state, the remainder of Oklahoma is also at risk. The northeastern and north-central regions, including the planning area, regularly experience winter weather such as ice storms, freezing rain, sleet, and occasional heavy snowfall.

Extent

The severity of winter storms varies across the state. Outside the Panhandle, ice accumulation is often a more significant hazard than snowfall. Ice storms can cause widespread power outages, tree damage, and hazardous travel conditions. Snowfall amounts are generally lower than in the Panhandle, but accumulations of several inches can still occur and significantly disrupt transportation and emergency response.

Extent Ranges by FEMA Categories:

- **Minor:**
  - Ice accumulation up to 0.25 inches
  - Snowfall up to 2 inches
  - Short-term travel disruption, minor utility interruptions
- **Moderate:**
  - Ice accumulation 0.25–0.5 inches
  - Snowfall 2–4 inches
  - Power outages, moderate travel disruptions, increased accident risk
- **Severe:**
  - Ice accumulation 0.5–1.0 inches
  - Snowfall 4–8 inches
  - Widespread outages, structural tree damage, multi-day transportation impacts
- **Catastrophic:**
  - Ice accumulation greater than 1 inch
  - Snowfall greater than 8 inches (rare outside Panhandle, but possible in extreme events)
  - Long-duration power outages, extensive infrastructure damage, and major disruptions to emergency response and daily life

Scales

- **Local Winter Storm Scale:** Used by City of Owasso & schools to gauge impact.
- **Sperry-Piltz Ice Accumulation Index (SPIA):** Predicts icing impact on utilities.
- Oklahoma Panhandle sometimes sees wind chills below -19°F multiple times a year.

Storm element score (LWSS descriptor)	Sustained wind kt ($m\ s^{-1}$)	Wind gust kt ($m\ s^{-1}$)	Snow in. (cm)	Ice in. (cm)	Visibility mi (km)
Weighting function	20%	15%	50%	30%	15%
0 (nuisance)	0 (0)	0 (0)	0 (0)	0 (0)	10 (16.1)
1 (moderate)	7 (3.6)	13 (6.7)	2 (5.1)	T (T)	3 (4.8)
2 (significant)	11 (5.7)	17 (8.7)	4 (10.2)	0.1 (0.3)	1 (1.6)
3 (major)	17 (8.7)	22 (11.3)	10 (25.4)	0.25 (0.6)	0.5 (0.8)
4 (crippling)	22 (11.3)	30 (15.4)	15 (38.1)	0.5 (1.3)	0.25 (0.4)
5 (extreme)	27 (13.9)	41 (21.1)	20 (50.8)	0.75 (2.5)	0.125 (0.2)
6 (catastrophic)	34 (17.5)	48 (24.7)	25 (63.5)	1 (5.1)	0 (0)

Wind Chill Chart

Wind (mph) \ Temperature (°F)	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5		36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
10		34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
15		32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
20		30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
25		29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
30		28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
35		28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
40		27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
45		26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
50		26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
55		25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
60		25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98

Frostbite Times: 30 minutes | 10 minutes | 5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01

The Sperry-Piltz Ice Accumulation Index, or "SPIA Index" – Copyright, February, 2009

ICE DAMAGE INDEX	DAMAGE AND IMPACT DESCRIPTIONS
0	Minimal risk of damage to exposed utility systems; no alerts or advisories needed for crews, few outages.
1	Some isolated or localized utility interruptions are possible, typically lasting only a few hours. Roads and bridges may become slick and hazardous.
2	Scattered utility interruptions expected, typically lasting 12 to 24 hours. Roads and travel conditions may be extremely hazardous due to ice accumulation.
3	Numerous utility interruptions with some damage to main feeder lines and equipment expected. Tree limb damage is excessive. Outages lasting 1 – 5 days.
4	Prolonged & widespread utility interruptions with extensive damage to main distribution feeder lines & some high voltage transmission lines/structures. Outages lasting 5 – 10 days.
5	Catastrophic damage to entire exposed utility systems, including both distribution and transmission networks. Outages could last several weeks in some areas. Shelters needed.

(Categories of damage are based upon combinations of precipitation totals, temperatures and wind speeds/directions.)

Past Events (Sample)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL

2020	0.6	2.4	0.0	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	8.7
2021	0.1	10.0	0.0	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
2022	0.1	8.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	13.5
2023	0.5	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Trace	Trace	0.5
2024	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
2025	6.4	3.9	Trace	0.0	0.0	0.0	0.0	0.0					10.3

- **Feb 5, 2020:** 4–5" snow in NE Oklahoma.
- **Feb 8–9, 2011:** >12" snow in NE Oklahoma; some areas 24", record cold followed.
- **Jan 28, 2010:** 0.75" ice + 5–8" snow.

Probability & Risk

Natural Hazard	Probability	CPRI	Overall Ranking
Winter Storm	Possible	1.95	Moderate

Vulnerability & Impacts

City of Owasso

- **Structural:** Roof collapse, burst pipes.
- **Human:** Frostbite, hypothermia; elderly, infants at high risk.
- **Economic:** Snow/ice removal, utility repair, lost wages/sales tax.
- **Environmental:** Tree death → carbon release; mold/fungi growth after melt.

Owasso Public Schools

- **Human:** Pupils at bus stops vulnerable to cold.
- **Structural:** Roof collapse risk, frozen pipes, power loss.
- **Economic:** Damage/response costs stress budgets.

Key Hazards

- Travel disruption (snow/ice-covered roads).
- Power outages (ice on lines).
- Flood risk after melt.
- Disrupted communications.

3.4 Risk Assessment of Facilities, Estimated Potential Losses, and Vulnerability of Jurisdictions

This section evaluates the exposure and vulnerability of critical facilities, infrastructure, and jurisdictions within the planning area to identified hazards. The assessment integrates hazard probability, facility importance, replacement value, and population characteristics to estimate potential losses and determine areas of highest concern.

3.4.1 Methodology

The risk assessment process combines hazard profiles (Section 3.1), facility inventories, and hazard-specific impact models. Data sources include:

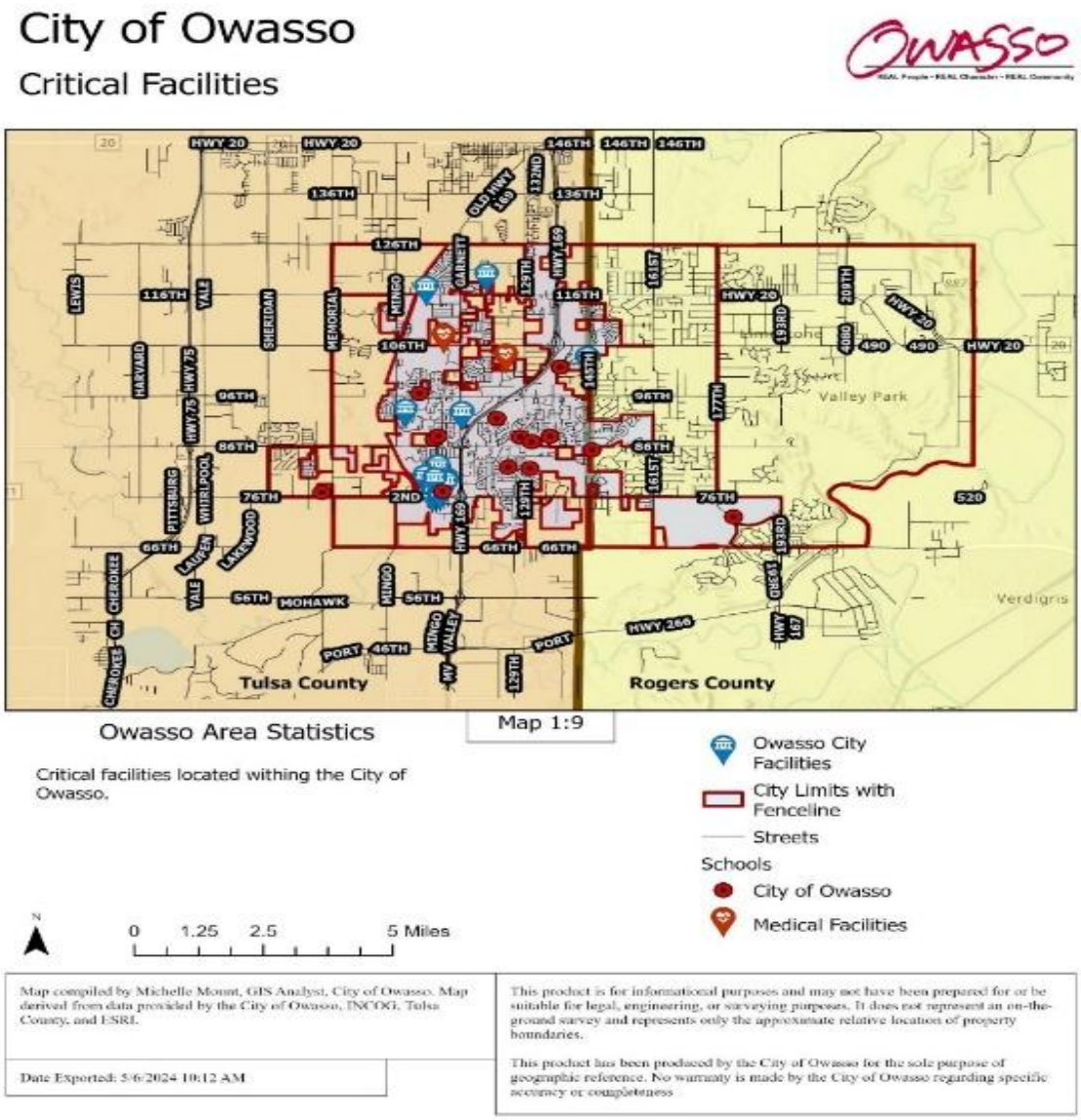
- **Critical Facilities Inventory:** Public safety buildings, hospitals, schools, government offices, utilities, transportation infrastructure, and high-occupancy structures.
- **Hazard Data:** Historical event records, hazard maps, FEMA flood insurance rate maps (FIRMs), U.S. Geological Survey data, and climate projections.
- **Economic Valuation:** Replacement cost estimates for structures and infrastructure.
- **Social Vulnerability Indicators:** Population density, age distribution, income, disability status, and other factors influencing resilience and recovery.

Facilities were mapped against hazard zones to identify exposure levels and potential direct damages. Loss estimates were derived using FEMA's Hazus methodology, local appraisal data, and engineering judgment.

3.4.2 Critical Facility Exposure and Vulnerability

Critical facilities are essential to emergency response, recovery operations, and community resilience. Exposure to hazards may disrupt essential services and cause significant secondary impacts.

Facility Type	Number in Hazard Zone	Hazard Types	Potential Loss Estimate	Operational Impact
Emergency Operations Centers	2	Tornado, Flood	$3.2M	Severe service disruption
Hospitals/Clinics	4	Tornado, Earthquake	$55.4M	Loss of life-saving capacity
Schools	12	Flood, Severe Storm	$78.7M	Disruption to education, shelter loss
Water/Wastewater Facilities	3	Flood, Drought	$22.1M	Public health & sanitation risk



3.4.3 Estimated Potential Losses

Potential losses vary based on hazard severity, exposure, and facility resilience. The table below summarizes total potential losses for critical facilities and infrastructure by hazard type.

Hazard Type	Total Facilities at Risk	Estimated Replacement Cost	Potential Economic Loss (%)
Tornado	28	$192.6M	25–40%
Flood	19	$87.2M	20–35%
Earthquake	15	$162.8M	15–30%

Hazard Type	Total Facilities at Risk	Estimated Replacement Cost	Potential Economic Loss (%)
Severe Winter Storm	21	$51.4M	10–20%

3.4.4 Vulnerability of Jurisdictions

Vulnerability varies between jurisdictions based on hazard exposure, infrastructure condition, and population characteristics.

- **Urban Areas:** High density of critical facilities and populations; significant economic losses possible from short-duration hazards like tornadoes and severe storms.
- **Rural Areas:** Fewer facilities but greater dependency on single points of service (e.g., one hospital or water facility); recovery times may be longer due to limited redundancy.
- **Economically Disadvantaged Communities:** Higher vulnerability due to limited resources for mitigation and recovery, increased reliance on public facilities, and higher susceptibility to housing loss.

Jurisdiction	Population	Critical Facilities in Hazard Zones	Social Vulnerability Score*	Overall Risk Level
Owasso	38,240	10	0.61 (High)	**High**
Collinsville	7,820	4	0.48 (Moderate)	**Moderate**
Skiatook	8,050	5	0.54 (High)	**High**
Unincorporated Area	15,430	7	0.39 (Moderate)	**Moderate**

*Score: 0 = lowest vulnerability, 1 = highest, based on CDC Social Vulnerability Index factors (income, age, disability, minority status, etc.).

3.4.5 Roads, Highways, and Bridges

Owasso is served by U.S. Highway 169 and State Highway 20, with U.S. Highway 75—another major transportation corridor—located approximately three miles west of the city limits. Average Daily Traffic Counts (ADTC) for key routes are as follows:

- **U.S. Highway 75:** 32,700 vehicles
- **U.S. Highway 169:** 56,900 vehicles
- **State Highway 20:** 21,500 vehicles

3.4.6 Ongoing Street Projects

Owasso currently has more than $196 million in roadway improvements underway, including:

- 96th Street North from 119th East Avenue to 129th East Avenue
- 96th Street North from 134th East Avenue to 145th East Avenue
- 96th Street North & 145th East Avenue Intersection
- 106th Street North & 129th East Avenue Intersection
- 116th Street North & Mingo Road Intersection
- 116th Street North from Mingo Road to Garnett Road

- Garnett Road Widening from 106th Street North to 116th Street North

3.4.7 Additional Transportation Facilities

- The Port of Catoosa bisects the western part of Owasso, with railyards located at both 76th Street North and 86th Street North. Situated approximately nine miles southeast of downtown Owasso, the Port serves as the head of the McClellan-Kerr Navigation System (Maritime Highway 40), providing critical connections for regional and international shipping.
- Tulsa International Airport lies just five miles south of downtown Owasso, offering both commercial passenger services and private aviation facilities. In addition, Gundy Airport—located three miles east of Owasso—is a private airfield featuring 2,600-foot and 1,700-foot runways, flight training, aircraft rentals, and hangars for small aircraft.
- Public transportation in Owasso is served by Pelivan Transit and Tulsa Transit, which operate commuter and local bus routes within the community.
- Owasso Public Schools also maintains a substantial transportation fleet, operating 74 school buses and 22 shuttle vehicles. Collectively, these vehicles travel more than 740,000 route miles each year.

3.4.8 Utilities and Infrastructure

Infrastructure and utility systems are essential for both life safety and economic stability. Many critical facilities rely on these systems to operate effectively. Because they are highly interconnected, damage to one component can have cascading effects, leading to partial or complete system failure.

During the planning process, the team identified the following key systems in Owasso: water, wastewater, electrical, gas, and transportation.

- **Water Supply** – The City of Owasso purchases potable water from the City of Tulsa, which sources its raw water from Spavinaw and Eucha Lakes on Spavinaw Creek in Northeast Oklahoma, and from Oologah Lake on the Verdigris River. This water is treated and distributed to customers within Owasso city limits. Portions of the surrounding fence-line area are served by Rogers County Rural Water District No. 3 and Washington County Rural Water District No. 3.
- **Wastewater and Solid Waste** – Sewage treatment, wastewater disposal, and trash collection services are provided by the City of Owasso Public Utilities Department.
- **Electric Service** – Electricity is supplied by Public Service Company of Oklahoma (PSO), Verdigris Valley Electric Cooperative (VVEC) and Grand River Dam Authority (GRDA).
- **Telecommunications** – Landline telephone service is provided by American Telephone & Telegraph Company (AT&T).
- **Natural Gas** – Oklahoma Natural Gas Company supplies gas service to the area.

3.4.9 Key Findings

- Several critical facilities are located within high-risk hazard zones, especially for tornadoes and flooding.
- Potential losses to essential infrastructure could exceed $100 million in a single major hazard event.
- Jurisdictions with high social vulnerability may experience disproportionately severe and prolonged impacts.
- Redundancy, hardening, and relocation of certain facilities could significantly reduce future risk.

3.4.10 Summary Table

Hazard	City Facilities Exposure	Schools Exposure	Notes / Differential Impact	Priority Mitigation Focus
Flood	Low–Moderate: Municipal buildings mostly protected; some low-lying facilities at risk.	Moderate–High: Some schools in flood-prone areas; temporary closures likely.	Schools more vulnerable due to siting in floodplains; operational disruption affects students.	Elevate flood protection measures for schools; maintain municipal drainage systems.
Tornado / High Winds	Moderate: City offices, utilities may sustain structural or roof damage; emergency plans in place.	High: Schools at higher risk, particularly during school hours; shelters may be insufficient.	Schools have higher exposure due to student population density.	Strengthen school storm shelters and emergency drills; retrofit vulnerable city facilities.
Severe Thunderstorms / Hail	Low: Minor property damage to city facilities; routine maintenance can mitigate.	Moderate: Roof/window damage to schools; disruption to classrooms and playgrounds.	Larger roof areas and playgrounds increase school exposure.	Prioritize school roof and window reinforcement; routine city facility inspections.
Winter Storm / Ice	Moderate: Road maintenance, public utilities, and power systems challenged; some facility closures possible.	Moderate–High: Schools frequently closed; heating and transportation affected.	Operational disruptions more acute for schools due to safety of students and staff.	Winterize school transport and heating systems; ensure city snow/ice response readiness.
Extreme Heat	Moderate: Staff and outdoor city operations affected; critical services maintained.	Moderate–High: Student safety concerns; restrictions on outdoor activities; HVAC strain.	Differential primarily from population vulnerability (students vs. staff).	Enhance cooling measures and shaded areas for schools; monitor staff wellness for city operations.
Drought	Low: Water restrictions affect irrigation of city parks and landscaping.	Low–Moderate: Water conservation measures impact cafeterias and grounds.	Minimal short-term impact; long-term restrictions may affect both sectors.	Implement water conservation strategies for schools; maintain city water reserves.
Wildfire / Smoke	Low: Smoke may impact air quality in offices; facilities rarely damaged directly.	Moderate: Health concerns for students; outdoor activities curtailed.	Schools more affected due to population vulnerability.	Install air filtration in schools; maintain city emergency air quality monitoring.

Earthquake	Low–Moderate: Structural risk varies; critical facilities retrofitted or reinforced.	Moderate–High: Older schools may be structurally vulnerable; evacuation drills essential.	Schools' structural vulnerability and high occupancy increase exposure.	Retrofit older schools; ensure critical city facilities are seismically reinforced.
Hazardous Materials Incident	Moderate: City facilities may house or manage hazardous materials; emergency response in place.	Low–Moderate: Schools may be near transport routes or facilities; evacuations possible.	Exposure depends on location; schools less directly impacted but still at risk.	Improve emergency hazmat response for city facilities; maintain school evacuation plans.
Pandemic / Biological	Moderate: Staff shortages and operational disruption; essential city services continue with modifications.	High: Student attendance, closures, and continuity of education heavily impacted.	Schools highly affected due to large population density and close-contact environment.	Enhance school health protocols and distance learning capacity; maintain city workforce continuity.
Earth Movement / Sinkholes	Low–Moderate: Some roads or municipal facilities may be affected depending on subsurface conditions.	Low–Moderate: Playground areas, parking lots, and building foundations may be impacted.	Generally localized; school playgrounds and outdoor areas slightly more exposed.	Regular geotechnical inspections for schools; repair vulnerable city sites promptly.
Severe Cold / Freeze	Moderate: Heating system strain in municipal buildings; outdoor operations impacted.	Moderate–High: School closures, transportation disruption, and student safety concerns.	Schools experience more operational disruption due to student safety and transportation dependency.	Winterize schools and maintain heating systems; ensure city heating backup and road clearing.
Lightning	Low: Minor building/utility damage possible; surge protection in place.	Moderate: Risk to outdoor activities; potential for building/system damage.	Schools' outdoor population during events increases exposure.	Install surge protection and lightning safety training for schools; maintain city facility safety systems.
Civil Disturbance / Terrorism	Moderate: City critical infrastructure targeted; emergency operations activated.	Low–Moderate: Schools may enact lockdowns or preventive security measures.	Schools generally less targeted but operational disruption likely.	Prioritize city critical infrastructure protection; ensure school security protocols.
Utility Failure / Power Outage	Moderate: City services impacted; emergency operations maintain essential functions.	Moderate–High: Heating/cooling, lighting, and food service disrupted; closures possible.	Schools more sensitive due to dependent population and daily operations.	Backup power for schools; maintain city emergency power systems.

3.4.11 Plan Revisions Due to Changes in Community Priorities

E2-a Compliance Statement: Yes, the plan describes how it was revised to reflect changes in community priorities, documenting shifts in vulnerability for each hazard based on post-2019 development, mitigation projects, and policy updates for both the City and OPS.

The plan was revised to capture how evolving community priorities have influenced hazard vulnerability since 2019. Hazard-specific reviews were conducted using permits, plats, capital improvement projects, and school bond improvements. A decision rule classified vulnerability as decreased (▼) when mitigation outweighed new exposure, increased (▲) when growth outpaced mitigation, and stable (▬) when exposure was balanced by mitigation.

Overall, flood vulnerability decreased due to City drainage projects, repetitive loss acquisitions, and OPS infrastructure upgrades. OPS tornado/wind vulnerability decreased significantly with safe room and roof retrofit projects, while City vulnerability remained stable as safe rooms offset growth-related exposure. Vulnerability for the City was stable for most other hazards (winter weather, drought/heat, and hazmat corridors), reflecting mitigation investments that balanced growth-related risks. However, wildfire vulnerability increased for the City due to subdivision expansion into the WUI without adoption of WUI codes. For OPS, vulnerability generally decreased across all hazards, including seismic anchorage projects, backup power installations, enhanced shelter-in-place capacity, and updated athletic heat safety measures.

This hazard-by-hazard analysis demonstrates how shifting priorities—such as investing in life-safety facilities, drainage infrastructure, and school resilience—were incorporated into the plan and used to revise the vulnerability assessment.

Changes in Vulnerability Since 2019

Participant	Area / Hazard	Post-2019 Development Snapshot	Date Range	Net Change	Rationale (1–2 sentences)
City	SFHA (Flood)	Limited new development in mapped SFHAs; 3 drainage CIP projects and 2 RL buyouts completed	2019–2024	▼ Decrease	Drainage improvements and acquisitions reduced overall exposure despite modest infill development.
City	Tornado / Wind / Hail	New subdivisions increased population exposure; 1 new community safe room constructed	2021–2023	▬ Stable	Growth increased exposure, but new safe room capacity offset vulnerability.

City	Wildfire / WUI	Two subdivisions expanded at WUI edge; no WUI code adopted	2017–2020	▲ Increase	Expansion increased exposure with minimal mitigation.
City	Winter Storm	Added 10 lane miles of new roads; upgraded snow/ice equipment fleet	2019–2024	— Stable	New development expanded exposure, but fleet upgrades maintained stable vulnerability.
City	Drought / Extreme Heat	Moderate population growth; 2 cooling centers designated	2018–2023	— Stable	Increased demand was balanced by new cooling capacity.
City	HazMat Corridors	New warehouse facility near U.S. 169; evacuation signage installed	2018–2022	— Stable	Slight increase in exposure, but signage and response planning offset risk.
Schools	SFHA (Flood)	No new campuses in SFHA; 1 drainage upgrade at existing school	2020–2022	▼ Decrease	Infrastructure improvements reduced flood vulnerability.
Schools	Tornado / Wind / Hail	2 FEMA-rated safe rooms completed; 3 roof retrofits	2022–2024	▼ Decrease	Major reduction in wind and tornado vulnerability.
Schools	Winter Storm	Generators installed at 2 campuses; bus route coordination formalized	2023–2024	▼ Decrease	Backup power and transportation planning improved resilience.
Schools	Earthquake	Non-structural	2017–2021	▼ Decrease	Reduced vulnerability

		anchorage projects at 4 schools			to seismic non-structural hazards.
Schools	Drought / Extreme Heat	Shade structures installed at 2 campuses; updated athletic heat policy	2019-2019	▼ Decrease	Shade and policy changes improved protection during extreme heat.
Schools	HazMat Corridors	No new campuses in hazmat corridors; enhanced shelter-in-place supplies	2022-2022	▼ Decrease	Preparedness improvements reduced vulnerability.

3.4.12 Mitigation Actions Summary

Flood

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Pursue FEMA Hazard Mitigation Assistance (HMA) funding for voluntary acquisition or elevation of Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties.	3–5 years (dependent on grant cycles)	High ($500K–$1M depending on properties acquired)	Avoids repetitive flood insurance claims, reduces emergency response/recovery costs, permanently removes at-risk structures from floodplain.
OPS	Harden access roads to campuses adjacent to mapped floodplains to ensure school transportation continuity during high-water events.	2–4 years	Moderate ($50K–$200K)	Ensures student/staff safety and avoids costly disruptions in school operations.

Tornado / High Wind

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Promote safe room rebates and integrate safe room requirements in new public facilities.	1–3 years	Moderate ($100K–$250K for public facilities; rebates grant-dependent)	Protects life safety during high-wind events, reduces shelter demand on schools/private sector.
OPS	Construct/designate FEMA-rated safe rooms at campuses without existing hardened shelters.	5–7 years	High ($1M+ depending on facility size)	Provides direct life safety protection for students/staff; high benefit–cost ratio due to lives saved.

Severe Winter Weather

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Procure backup generators for critical facilities (e.g., water, fire, police) to maintain essential services during prolonged outages.	2–3 years	Moderate to High ($250K–$500K)	Maintains emergency response capacity, avoids cascading system failures.
OPS	Install emergency power supplies at designated shelter schools to maintain heat/lighting during outages.	2–4 years	Moderate ($100K–$300K)	Protects sheltering students/staff, avoids costly closures and safety risks.

Wildfire / Grassfire

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Implement defensible space and vegetation management program in WUI (wildland–urban interface) areas.	1–2 years (ongoing after)	Low ($25K–$75K annually)	Reduces ignition potential and property loss; low-cost/high-benefit mitigation.
OPS	Conduct annual firebreak maintenance around campuses in/near WUI areas.	Ongoing	Low ($10K–$30K annually)	Protects facilities and students; reduces likelihood of structure loss.

Earthquake

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Adopt/enforce seismic design standards in new public buildings and critical infrastructure projects.	Ongoing	Low (absorbed into construction costs)	Ensures long-term resilience, avoids costly retrofits later.
OPS	Perform non-structural retrofit (securing equipment, shelving, lighting) in older campuses.	2–3 years	Low to Moderate ($50K–$150K per campus)	Cost-effective reduction of injury risk; high benefit–cost ratio.

Drought / Extreme Heat

Jurisdiction	Action	Timeline	Estimated Cost	Benefit–Cost Rationale
City of Owasso	Expand water conservation programs and promote drought-tolerant landscaping in new development.	2–5 years	Low to Moderate ($25K–$100K for outreach/incentives)	Reduces demand on public water system, avoids future infrastructure strain.
OPS	Install shade structures and improve HVAC efficiency at outdoor/common areas to protect students.	2–5 years	Moderate ($50K–$200K)	Reduces heat-related illness risk, improves energy efficiency and operational savings.


STEP 1
Identify Threats and Hazards of Concern
List of Threats/ Hazards
STEP 2
Give Threats and Hazards Context
Context Descriptions for Threats/ Hazards
STEP 3
Establish Capability Targets
Capability Target Statements
STEP 4
Apply the Results
Resource Requirements

Chapter 4:
Mitigations Strategies and Priorities

4.1 Goals to Reduce/Avoid Long-Term Vulnerabilities from Identified Hazards

The City of Owasso Hazard Mitigation Team has identified ten natural hazards that pose threats to life and property within the community (see Chapter Three). The degree of risk each hazard presents to human life depends on several factors, including:

- Knowledge and awareness of the hazard
- Geographic locations most at risk
- Frequency of hazard events
- Population density within the hazard zone
- Availability of warning systems
- Level of first responder training and equipment

From this assessment, the Planning Team established the following overarching mitigation goals:

1. **Protect Life** – Reduce the risk of injury or loss of life from natural hazards.
2. **Protect Property** – Minimize damage to homes, businesses, and critical infrastructure.
3. **Protect the Environment** – Safeguard natural resources and reduce environmental degradation.
4. **Increase Public Preparedness for Disasters** – Enhance community awareness, education, and readiness.

Mitigation Goal	Example Actions	Hazards Addressed
Protect Life	- Install and maintain outdoor warning sirens- Expand first responder training and equipment capabilities- Develop evacuation route signage and shelter plans	Tornado, Severe Thunderstorm, Flood, Extreme Heat, Winter Storm
Protect Property	- Elevate or flood-proof critical facilities- Retrofit public buildings for wind and seismic resistance- Promote defensible space in wildfire-prone areas	Flood, Tornado, Earthquake, Wildfire
Protect the Environment	- Implement erosion control along waterways- Restore native vegetation in floodplains- Promote low-impact development standards	Flood, Drought, Extreme Heat
Increase Public Preparedness for Disasters	- Conduct annual community hazard awareness campaigns- Distribute emergency preparedness guides in multiple languages- Partner with schools for disaster education programs	All Hazards

4.2 Equity and Inclusion in Hazard Mitigation

Meeting the needs of all community members requires a multi-dimensional approach that addresses three interconnected elements: access, process, and outcomes.

- **Access** – The equitable distribution of resources, services, costs, benefits, rights, responsibilities, and risk across all groups, both now and for future generations. Improving access means reducing barriers to services and opportunities, which strengthens community resilience and supports a faster, more equitable recovery after disasters.
- **Process** – The intentional and fair inclusion of all groups in decision-making, policy development, and planning activities. Inclusive processes ensure that diverse perspectives shape hazard mitigation strategies and that no group is excluded from critical discussions.
- **Outcomes** – The increased ability of individuals and groups to meet their needs and achieve their goals through equitable access and inclusive processes. This includes consideration of broader social, governance, economic, and cultural contexts—such as historical inequities, power dynamics, gender, education, ethnicity, and age—that shape community conditions. Equitable outcomes are the future result of ensuring all residents have both access and a voice in hazard mitigation efforts.

4.3 Process Used to Prioritize Mitigation Actions

In compliance with 44 CFR Section 201.c.3.iii, all actions identified in this plan were prioritized using a standardized methodology. The Planning Team adopted the Social, Technical, Administrative, Political, Legal, Economic, and Environmental (STAPLEE) method to evaluate each action item. This process ensured that proposed actions would achieve meaningful benefits while being feasible and broadly supported.

STAPLEE Evaluation Criteria
Each criterion was discussed in detail by the Planning Team using the considerations below:

- **Social** – Measures community acceptance and perceived importance of mitigation actions. Actions are acceptable if they do not disproportionately impact a specific population, do not cause the relocation of lower-income residents, and align with community values.
- **Technical** – Evaluates the effectiveness of the action in providing long-term loss reduction with minimal negative side effects. Owasso currently lacks in-house technological resources to conduct comprehensive risk assessments, so all data must be accessible and understandable to the public.
- **Administrative** – Assesses whether adequate staffing and resources are available to implement the action. At present, the Emergency Management is the sole staff member responsible for hazard mitigation.
- **Political** – Considers local leadership support and stakeholder engagement. Successful actions have community buy-in and broad participation during planning.
- **Legal** – Ensures compliance with federal and state requirements, including the Robert T. Stafford Disaster Relief and Emergency Assistance Act and the Disaster Mitigation Act of 2000, which mandate FEMA-approved hazard mitigation plans.
- **Economic** – Considers cost-effectiveness and funding availability. FEMA's Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation (PDM) program are the primary funding sources for plan development and updates.
- **Environmental** – Confirms that actions are environmentally sustainable, comply with regulations, and align with the City's environmental goals.

Scoring Method
Each STAPLEE criterion was rated on a 1 to 5 scale based on the extent to which the consideration was met:

Criterion	Considerations	Score Range	Example Considerations for Owasso
S – Social	Community acceptance; avoids disproportionate impacts; consistent with social/cultural values.	1–5	Does not require relocation of low-income residents; aligns with community values.
T – Technical	Provides long-term loss reduction; minimal negative side effects; feasibility given current technology.	1–5	Uses available technology; can be implemented with existing capabilities.
A – Administrative	Adequate staff, expertise, and resources to implement.	1–5	Can be implemented with current staff (Emergency Management).
P – Political	Support from elected officials; stakeholder and public buy-in.	1–5	Supported by community leaders and residents.
L – Legal	Compliance with existing laws, policies, and regulations.	1–5	Meets Disaster Mitigation Act and Stafford Act requirements.
E – Economic	Cost-effectiveness; funding availability.	1–5	Eligible for FEMA HMGP or PDM funding; benefits outweigh costs.
E – Environmental	Consistent with environmental goals; no adverse impacts; regulatory compliance.	1–5	Supports sustainability and meets environmental laws.

Scoring Scale:
1 = Does Not Satisfy | 2 = Somewhat Satisfies | 3 = Moderately Satisfies | 4 = More Than Moderately Satisfies | 5 = Strongly Satisfies

Implementation Priority Levels
After scoring, each action was assigned one of the following priority levels:

- **High Priority** – Meets multiple objectives; benefits exceed costs; eligible for and secured grant funding; or is already underway and can be completed within 1–5 years.
- **Medium Priority** – Meets multiple objectives; benefits exceed costs; eligible for grant funding but funding not yet secured; completion within 1–5 years once funding is obtained. Actions are elevated to High Priority when funding is secured.
- **Low Priority** – Mitigates hazard risk but benefits are less than or difficult to quantify; no identified grant funding; completion timeline exceeds 5 years. May become eligible if new funding sources emerge.

Cost-Benefit Considerations
While a formal cost-benefit analysis (CBA) was not conducted for every action during plan development, the Planning Team agreed to perform a full CBA for any action selected for implementation, following the requirements of the applicable funding source.

4.3.1 Mitigation Project Selection

The state may submit applications for Hazard Mitigation Assistance funding as the recipient and sub-recipient. Historically, the Oklahoma Department of Emergency Management (OEM) has applied for and received funds for 27 phases of the SoonerSafe Safe Room Rebate Program. OEM is responsible for administering the SoonerSafe Program. The SoonerSafe program provides homeowners with a rebate of 75% towards the cost of a safe room

and installation, no to exceed $2,000. SoonerSafe is contingent on the availability of Federal funds.

Projects that have been submitted to OEM and are currently waiting for funding at the time of a disaster declaration are the highest priority for the State of Oklahoma. Applicants are responsible for prioritizing projects by urgency of the need with the disaster being mitigated, financial impact to the jurisdiction, human losses, and timeframe for completion. The State is responsible for prioritizing each project application with respect to how much and when State assistance is available.

OEM may, at its discretion, act as sub-recipient for other project types such as, but not limited to: Hazard Mitigation Planning Initiatives, Public Information and Outreach, Mapping Activities, and other mitigation activities.

Hazard Mitigation Planning Grants must be based on actual needs of the jurisdiction. Factors affecting the range of costs:

- Technical Sophistication of scope of work
- Number and size of participating jurisdictions
- Number of significant hazards affecting Planning area
- Variance of hazards/risk across Planning area
- Update or new Plan (costs of first round updates may be similar to new Plans depending on quality of original Plan; second round updates should start significantly decreasing)
- Post disaster (more to analyze – higher cost)

Fire Management Assistance Grants (FMAG)

- OEM prioritize HMGP Post Fire assistance to Wildfire Mitigation projects first within the first 90 days of the application period. Following the 90-day initial period, HMGP eligible projects will be made available to eligible sub-applicants statewide. OEM coordinates with OEM regional representatives and through the State Hazard Mitigation Team to announce funding. Deadlines for applications will be within the guidance set by the FMAG-HMGP requirements.

The strategies identified below in the Hazard Mitigation Initiatives are activities and programs are those that OEM and partner agencies are currently engaged with to facilitate mitigation actions throughout the state. The table below uses a strategy and action basis to provide pathway to meeting the mitigation goals.

Goal	Action / Strategy	Hazards Addressed
Protect Life	Maintain and improve emergency warning systems (sirens, CodeRED, IPAWS)	**Severe Storms, Tornados, Flooding, Winter Storms, Extreme Heat, Hail, Wildfire, Earthquake, Dam Failure**
	Expand first responder training for multi-hazard incidents	**Severe Storms, Tornadoes, Flooding, Winter Storms, Extreme Heat, Wildfire, Hail, Earthquake, Dam Failure**
	Improve shelter access and capacity (schools, public facilities)	**Tornadoes, Severe Storms, Extreme Heat, Winter Storms**
Protect Property	Promote adoption of hazard-resistant building codes	**Tornadoes, Severe Storms, Hail, Flooding, Earthquake**

Goal	Action / Strategy	Hazards Addressed
	Encourage property owners to implement retrofits (safe rooms, floodproofing)	**Tornadoes, Severe Storms, Flooding, Hail**
	Upgrade drainage systems to reduce flood risk	**Flooding**
Protect Environment	Implement floodplain and wetland preservation policies	**Flooding, Dam Failure**
	Reduce wildfire fuel loads in high-risk areas	**Wildfire**
	Promote water conservation practices during drought	**Drought**
Increase Public Preparedness	Conduct annual multi-hazard public education campaigns	**All hazards (Severe Storms, Tornadoes, Flooding, Winter Storms, Extreme Heat, Wildfire, Hail, Earthquake, Drought, Dam Failure)**
	Develop targeted outreach for vulnerable populations	**Severe Storms, Extreme Heat, Winter Storms, Flooding**
	Partner with schools for student and family preparedness programs	**All hazards**

Priority Legend

- ***High Priority*** *– Highest CPRI scores, most urgent risk*
- ***Medium Priority*** *– Moderate CPRI scores, significant concern*
- ***Lower Priority*** *– Lower CPRI scores, still monitored*

City of Owasso – Mitigation Actions by Hazard

Hazard	Vulnerability	Mitigation Action
Flooding	Repetitive Loss (RL) properties; inadequate drainage in older neighborhoods	Pursue Hazard Mitigation Grant Program (HMGP) funding to acquire or elevate RL/SRL homes; upgrade stormwater infrastructure.
Severe Storms (Wind/Hail/Tornado)	Vulnerability of residential neighborhoods and public facilities to wind damage	Expand community safe rooms at public parks and civic centers; strengthen critical facility roofs to meet ICC 500 standards.
Wildfire (Urban Interface)	Homes and businesses adjacent to undeveloped land	Adopt/enforce wildland–urban interface (WUI) codes; expand vegetation management and defensible space outreach.
Winter Storms	Road closures and power outages	Expand de-icing and snow-clearing capacity; enhance coordination with utility providers for grid hardening.
Earthquake	Older structures not designed to seismic standards	Promote retrofit incentive programs for unreinforced masonry (URM) buildings; update building codes as needed.
Drought/Extreme Heat	Strain on water supply; vulnerable	Expand water conservation programs; develop city-

Hazard	Vulnerability	Mitigation Action
	populations	wide cooling centers with backup power.
Hazardous Materials Incident	Proximity of transport corridors (U.S. 169, rail line)	Enhance hazmat response training/equipment; update evacuation route signage near industrial corridors.

Owasso Public Schools – Mitigation Actions by Hazard

Hazard	Vulnerability	Mitigation Action
Flooding	Schools near flood-prone drainageways; student safety during events	Update Emergency Operations Plan (EOP) to include flood shelter-in-place/transportation procedures; elevate utilities in at-risk campuses.
Severe Storms (Wind/Hail/Tornado)	Student and staff safety; roof and window damage	Construct/designate FEMA-rated safe rooms in all schools; install impact-resistant windows/doors.
Wildfire (Urban Interface)	Perimeter schools adjacent to open land	Create defensible space around campuses; conduct joint fire drills with Owasso Fire Department.
Winter Storms	Loss of instructional time; unsafe transportation conditions	Enhance communications with parents/staff regarding closures; coordinate with city for snow removal priority on bus routes.
Earthquake	Non-structural hazards in classrooms	Anchor shelving, lab equipment, and mechanical systems; conduct earthquake drills annually.
Drought/Extreme Heat	Outdoor athletic safety; strain on water resources	Install shade structures at athletic fields/playgrounds; revise policies for heat-related illness prevention.
Hazardous Materials Incident	Campuses near transport corridors	Strengthen shelter-in-place protocols; stock emergency ventilation seals and PPE.

4.4 Hazard Mitigation Actions Funding Sources

The City of Owasso has access to several funding programs designed to support hazard mitigation projects. These programs help reduce community vulnerability and enhance resilience to natural hazards. Key programs include:

Hazard Mitigation Grant Program (HMGP)

Overview:
Created in 1988 under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the HMGP is activated following a Presidential Disaster Declaration. The program funds mitigation projects on a 75% Federal / 25% non-Federal cost-share basis. In Oklahoma, the 25% non-Federal match is typically covered by local or county government.

Objectives:

- Prevent future loss of life and property due to disasters.
- Implement state or local hazard mitigation plans.
- Enable mitigation measures during disaster recovery.
- Fund previously identified mitigation measures that benefit the affected area.

Eligible Applicants:
State and local governments, certain non-profit organizations, and federally recognized Indian tribes.

Program Emphasis:
HMGP supports a coordinated all-hazards approach with a strong focus on planning. Activities may include:

- Updating and implementing hazard mitigation plans.
- Developing local mitigation plans.
- Drafting state legislation or adopting local ordinances.
- Coordinating across state and local agencies to ensure integrated risk reduction.

Building Resilient Infrastructure and Communities (BRIC) Program

Overview:
Introduced in 2020, BRIC is a yearly competitive grant program open to local communities and tribal nations. The Notice of Funding Opportunity (NOFO) is typically released in late August or early September, with applications due by the end of January. BRIC projects follow the standard 75% Federal / 25% non-Federal match.

Funding Structure:
In addition to the national competitive awards, each state receives an annual allocation for eligible projects. The amount varies yearly based on federal appropriations.

Purpose:
Provides funding to reduce risks from natural disasters, including:

- Wildfires
- Drought
- Hurricanes
- Earthquakes
- Extreme heat
- Flooding

Guiding Principles:

- Build community capability and capacity.
- Encourage innovation.
- Promote partnerships.
- Support large-scale projects.
- Maintain flexibility and consistency.

National Flood Insurance Program (NFIP)

Overview:
Enacted in 1968, the NFIP offers federally subsidized flood insurance to property owners in participating communities. To join the NFIP, communities must establish and enforce minimum floodplain management regulations in special flood hazard areas.

Legislative History:

1. **1973 Flood Disaster Protection Act** – Required flood insurance for federally related loans or assistance in identified floodplain areas.
2. **1980 Oklahoma Floodplain Management Act** – Enabled any county or community to form a Floodplain Board and adopt floodplain regulations to participate in NFIP.

Minimum NFIP Requirements:

- Require permits for construction in designated floodplains.
- Review development and subdivision plans for flood risk.
- Protect water supply and sewage systems from flood impacts.
- Use base flood elevation data in planning.
- Maintain flood carrying capacity in watercourses.

Owasso's Participation:
Owasso has been an NFIP community since 1987, adopting Flood Damage Prevention Ordinance No. 367 on March 17, 1987, which requires all new development to be built at least one foot above the 100-year base flood elevation. The City continues to enforce this requirement and educates residents about NFIP participation.

Program	Year Established	Funding Match	Eligibility	Funding Cycle / Activation	Focus Areas	Administered By	Notes on Owasso Participation
Hazard Mitigation Grant Program (HMGP)	1988 (Robert T. Stafford Act, Sec. 404)	75% Federal / 25% non-Federal (in OK, local/county often covers 25%)	State & local governments, certain non-profits, federally recognized tribes	Activated after a Presidential Disaster Declaration	All-hazards mitigation projects, with strong emphasis on planning and implementation	Oklahoma Department of Emergency Management (State-level administration)	Used to update and implement hazard mitigation plans; enables projects during recovery
Building Resilient Infrastructure and Communities (BRIC)	2020	75% Federal / 25% non-Federal	Local communities, tribal nations, states, territories	Annual competitive cycle (NOFO released ~Aug/Sept; deadline ~Jan)	Future risk reduction for hazards including wildfires, drought, hurricanes, earthquakes, extreme heat, flooding	FEMA (with state allocation for some projects)	Focus on capacity-building, innovation, partnerships, and large projects
National Flood Insurance	1968 (Flood Disaster Protection Act 1973;	Not a grant program; offers federally	Communities must adopt & enforce	Ongoing participation; insurance availability	Floodplain management, flood risk reduction, and	OPWA	Used to update and implement hazard

Program	Year Established	Funding Match	Eligibility	Funding Cycle / Activation	Focus Areas	Administered By	Notes on Owasso Participation
Program (NFIP)	Oklahoma Floodplain Management Act 1980)	subsidized flood insurance	floodplain regulations	contingent on compliance	property insurance		mitigation plans; enables projects during recovery

Mitigation Actions Matrix – City & Schools

Hazard	Participant	Action	Lead Dept / Position	Funding Source(s)	Timeframe
Flooding	City	Acquire/elevate RL/SRL homes; upgrade stormwater systems	Engineering Dept. / Floodplain Administrator	FEMA HMGP, BRIC, Local CIP	Medium
	Schools	Update EOP for flood response; elevate utilities in at-risk campuses	Owasso Public Schools Facilities Director	FEMA HMGP, OWRB Flood Mitigation Assistance	Short
Severe Storms (Wind/Hail/Tornado)	City	Construct community safe rooms; retrofit roofs of critical facilities	Emergency Management / Public Works Director	FEMA HMGP, BRIC, State Safe Room Grant	Medium
	Schools	Build FEMA-rated safe rooms; install impact-resistant glazing	Superintendent / Facilities Director	FEMA HMGP, School Bond Funds	Long
Wildfire (Urban Interface)	City	Adopt WUI codes; vegetation management outreach	Fire Dept. / Planning Dept.	State Fire Marshal Grants, Local General Fund	Short
	Schools	Create defensible space at campuses; fire drills with OFD	Owasso Public Schools Safety Coordinator	State Dept. of Education Safety Grants	Short
Winter Storms	City	Expand snow/ice removal capacity; utility coordination	Streets Dept. / Public Works Director	Local CIP, ODOT Emergency Funds	Short
	Schools	Enhance closure communication; prioritize bus route plowing	Transportation Director	District Ops Budget, Local CIP	Short
Earthquake	City	Promote retrofit incentives for URM buildings; code updates	Planning Dept. / City Building Official	FEMA NEHRP, Local CIP	Long

Hazard	Participant	Action	Lead Dept / Position	Funding Source(s)	Timeframe
	Schools	Secure non-structural items; annual earthquake drills	School Safety Officer / Facilities Director	District Ops Budget, OEM Grants	Short
Drought / Extreme Heat	City	Water conservation programs; develop cooling centers	Utilities Dept. / Emergency Mgmt	OWRB Grants, FEMA HMGP	Medium
	Schools	Shade structures on playgrounds/fields; heat illness prevention policy	Athletics Director / Facilities	School Bond Funds, State DOE Health Grants	Medium
Hazardous Materials Incident	City	Hazmat response training; update evacuation signage	Fire Dept. / Emergency Mgmt	DHS Hazmat Grants, Local CIP	Short
	Schools	Shelter-in-place protocols; PPE & ventilation supplies	School Safety Officer	OEM Grants, District Ops Budget	Short

4.4.1 Mitigation Action Items

The City of Owasso has undertaken a variety of mitigation projects targeting hazards such as tornadoes, floods, wildfires, winter storms, and others. These projects include infrastructure upgrades, planning efforts, education programs, and regulatory actions. Below is a summary of key projects, their status as of 2024, and their outcomes:

City Of Owasso:

1. Backup Power Installation

- **Hazards:** Tornado, severe wind, lightning, winter storms, wildfire, earthquake
- **Type:** Structure & Infrastructure
- **Lead Agency:** City Public Works
- **Schedule:** FY 2028
- **Cost:** $ 750,000
- **Outcome:** Emergency generators installed at key city facilities to ensure operational continuity during power outages. Generators added at all targeted locations, with plans to include the Owasso Community Center.

2. Retrofit School Gyms as Safe Rooms

- **Hazards:** Tornado, severe wind
- **Type:** Structure & Infrastructure
- **Lead Agencies:** City Administration and Owasso Schools
- **Schedule:** FY 2029
- **Cost:** $30 million
- **Outcome:** Large capacity tornado shelters at schools. However, due to behavioral concerns and operational difficulties, this project is no longer recommended for renewal.

3. Contingency Plan for Power Outage from Winter Storms

- **Hazards:** Winter Storms
- **Type:** Planning and Regulation
- **Lead Agencies:** Public Works and Emergency Management
- **Schedule:** FY 2029
- **Cost:** $25,000
- **Outcome:** No implementation yet; considered viable and expected to be integrated into future continuity planning.

4. All-Media Hazard Education Program

- **Hazards:** Multiple including floods, tornadoes, extreme heat, wildfire, earthquakes
- **Type:** Education & Awareness
- **Lead Agency:** Emergency Management
- **Schedule:** FY 2026
- **Cost:** $25,000
- **Outcome:** Sporadic events held but lacking coordination across departments.

5. Drainage Improvements in Specific Subdivisions

- **Hazards:** Flood
- **Type:** Structure & Infrastructure
- **Lead Agency:** Public Works
- **Schedule:** FY 2028
- **Cost:** $4.5 million
- **Outcome:** Funding secured; study phase initiated.

6. Storm Water Drainage Improvements Citywide

- **Hazards:** Flood
- **Type:** Structure & Infrastructure
- **Lead Agency:** Public Works
- **Schedule:** FY 2025-2030
- **Cost:** $5 million
- **Outcome:** Ongoing; progress made in multiple neighborhoods.

7. Joint Training Center for Public Works & Fire Department

- **Hazards:** Hazardous Materials, Safety, General Disaster Training
- **Type:** Structural
- **Lead Agencies:** Public Works, Fire Department
- **Schedule:** FY 2019
- **Cost:** $19.5 million
- **Outcome:** Facility and training rooms established; expanded training planned.

8. Mobile Command/Communication Vehicle

- **Hazards:** Flood, tornado, winter storm, wildfire, earthquake, hazardous materials, dam break
- **Type:** Structure & Infrastructure
- **Lead Agency:** Emergency Management
- **Schedule:** FY 2028
- **Cost:** $750,000
- **Outcome:** No progress due to lack of assigned staff; still considered viable.

9. Wildland Urban Interface Fire Breaks

- **Hazards:** Wildfire
- **Type:** Natural Systems Protection
- **Lead Agency:** Public Works
- **Schedule:** FY 2030
- **Cost:** $250,000
- **Outcome:** Ordinance adopted requiring fire breaks and setbacks in WUI areas.

10. Water Saving Fixtures Installation

- **Hazards:** Drought
- **Type:** Structure & Infrastructure
- **Lead Agency:** City Building Operations
- **Schedule:** FY 2030
- **Cost:** $50-$500 per fixture
- **Outcome:** Implemented gradually during fixture replacement; no systematic effort.

11. Lightning Protection Systems

- **Hazards:** Lightning
- **Type:** Structure & Infrastructure
- **Lead Agency:** Public Works
- **Schedule:** FY 2030
- **Cost:** $20,000 per building
- **Outcome:** No action due to lack of staff assignment.

12. Expansive Soils Risk Mapping

- **Hazards:** Expansive Soils
- **Type:** Local Plans & Regulations
- **Lead Agency:** Public Works
- **Schedule:** FY 2030
- **Cost:** $200,000
- **Outcome:** Soil maps available from neighboring counties; no new maps developed.

13. Burying Overhead Power Lines

- **Hazards:** Earthquake, tornado, high winds, winter storms, wildfire
- **Type:** Structure & Infrastructure
- **Lead Agencies:** Public Works, Electric Companies

- **Schedule:** FY 2025-2030
- **Cost:** $20 million
- **Outcome:** No action on feeder lines due to cost; new subdivisions require buried lines.

14. Energy Efficient Windows Installation

- **Hazards:** Heat, winter storms
- **Type:** Structure & Infrastructure
- **Lead Agency:** Public Works
- **Schedule:** FY 2030
- **Cost:** $5,000 per window
- **Outcome:** No action due to no assigned staff.

15. Laminated Impact-Resistant Windows

- **Hazards:** Hail, tornado
- **Type:** Structure & Infrastructure
- **Lead Agency:** Public Works
- **Schedule:** FY 2030
- **Cost:** $5,000 per window
- **Outcome:** No action due to no assigned staff.

16. Expansive Soils Building Ordinance

- **Hazards:** Expansive Soils
- **Type:** Local Plans & Regulations
- **Lead Agency:** City Administration
- **Schedule:** FY 2030
- **Cost:** $5,000
- **Outcome:** Ordinance enacted requiring geotechnical analysis for foundations when necessary.

Owasso Public Schools

1. Water Saving Fixtures

- **Hazard(s) Targeted:** Drought
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2015
- **Estimated Cost:** $50 to $500 per fixture
- **Funding Source:** Local/Grants
- **Work Product:** Installation of water-saving fixtures in school facilities
- **Expected Outcome:** Reduce water usage year-round, including during drought
- **2025 Status:** Fixtures replaced with water-saving models as needed.

2. Outdoor Warning Systems

- **Hazard(s) Targeted:** Flood, Tornado, High Wind, Lightning, Hail, Wildfire, Hazardous Material Event

- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $75,000
- **Funding Source:** Local/Grants
- **Work Product:** Outdoor loudspeakers for hazard notification
- **Expected Outcome:** Immediate hazard alerts for students and staff outdoors
- **2024 Status:** Contracted with PerryWeather® for lightning detection and alerts.

3. Two-Way Radios for All School Buildings

- **Hazard(s) Targeted:** Flood, Tornado, High Wind, Hail, Wildfires, Hazardous Material Events
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $12,500
- **Funding Source:** Local/Grants
- **Work Product:** Two-way radios and repeaters
- **Expected Outcome:** Reliable communication during and after hazard events
- **2025 Status:** Purchased 137 handheld, 55 bus radios, and repeaters.

4. Energy Efficient Windows

- **Hazard(s) Targeted:** Heat, Winter Storm
- **Project Type:** Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $5,000 per window
- **Funding Source:** Local/Grants
- **Work Product:** Installation during building remodels
- **Expected Outcome:** Improved energy efficiency for temperature control
- **2025 Status:** Planned for Ator Elementary and Ram Academy.

5. Installation of NOAA Weather Radios

- **Hazard(s) Targeted:** Flood, Tornado, High Winds, Lightning, Hail, Winter Storms, Wildfires, Hazardous Material Events
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2025
- **Estimated Cost:** $100 per radio
- **Funding Source:** Local/Grants
- **Work Product:** Purchase and install NOAA weather radios
- **Expected Outcome:** Improved hazard awareness and notification on campuses
- **2025 Status:** Radios installed at all campuses; alerts broadcast through public address.

6. All-Media Hazard Education Program

- **Hazard(s) Targeted:** Flood, Tornado, High Winds, Lightning, Hail, Winter Storms, Extreme Heat, Drought, Expansive Soils, Wildfires, Earthquakes, Hazardous Material Events
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2025
- **Estimated Cost:** $25,000
- **Funding Source:** Local/Grants
- **Work Product:** Hazard risk education for staff, students, and parents
- **Expected Outcome:** Reduced vulnerability to hazards
- **2025 Status:** Uses Peach Jar® communications; complies with Emergency Medical Plan for athletics.

7. Map Expansive Soils Risk Area

- **Hazard(s) Targeted:** Expansive Soils
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $100,000
- **Funding Source:** Local/Grants
- **Work Product:** Detailed soil maps for school construction sites
- **Expected Outcome:** Proper foundation design to mitigate soil risks
- **2025 Status:** Uses existing Tulsa and Rogers County soil maps.

8. Retrofit School Gyms into Community Safe Rooms

- **Hazard(s) Targeted:** Tornado, High Winds
- **Project Type:** Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2025–2030
- **Estimated Cost:** $28,000,000 total
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Gyms retrofitted to FEMA 361 safe room standards
- **Expected Outcome:** Increased safety during tornado and high winds
- **2025 Status:** Safe rooms installed at 8 facilities; not recognized as public shelters.

9. Purchase Snow Plows for School Sites

- **Hazard(s) Targeted:** Winter Storms
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $21,000 (for 3 plows)
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Snow plows for clearing parking lots and roadways
- **Expected Outcome:** Improved safety and accessibility during snow/ice events
- **2025 Status:** Two equipment retrofitted; two new plows purchased.

10. Install Keyless Entry Systems at All School Sites

- **Hazard(s) Targeted:** Wildfire, Tornado, Intruder
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2015
- **Estimated Cost:** $300,000
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Keyless entry systems installed; codes shared with first responders
- **Expected Outcome:** Emergency access assistance for Police and Fire Departments
- **2025 Status:** Project completed.

11. Purchase Backup Generators for All School Sites

- **Hazard(s) Targeted:** Tornado, High Winds, Hail, Winter Storms, Lightning, Earthquake
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2025
- **Estimated Cost:** $375,000
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Generators installed at all buildings
- **Expected Outcome:** Provide electrical service during hazard events
- **2025 Status:** IT networks and Central Data Facility covered.

12. Purchase Security Cameras for All School Sites

- **Hazard(s) Targeted:** Intruder
- **Project Type:** Non-Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $70,000
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Cameras installed and linked with Owasso Police Department
- **Expected Outcome:** Safer environment and enhanced threat detection
- **2025 Status:** Over 400 cameras installed.

13. Safe Rooms Installation

- **Hazard(s) Targeted:** Tornado, High Winds
- **Project Type:** Structural
- **Lead Agency:** Owasso Public Schools
- **Time Schedule:** FY 2030
- **Estimated Cost:** $14,000,000
- **Funding Source:** Local, Bond, Grants
- **Work Product:** Large safe rooms installed at each school
- **Expected Outcome:** Protection of students and staff during severe wind events
- **2025 Status:** Safe rooms installed at 8 school facilities.

14. Expansive Soils Building Policy

- **Hazard(s) Targeted:** Expansive Soils
- **Project Type:** Non-Structural
- **Lead Agency:** School Administration
- **Time Schedule:** FY 2030
- **Estimated Cost:** $5,000
- **Funding Source:** Local/Grants
- **Work Product:** Policy requiring geotechnical soil analysis for foundations
- **Expected Outcome:** Proper foundation design to prevent soil-related damage
- **2025 Status:** Soil analysis required for all building projects.

List of Action Items for 2025 to 2030:

The planning team carefully developed a comprehensive set of mitigation actions aimed at addressing the variety of hazards that impact both the City of Owasso and the Owasso Public Schools. These mitigation strategies were selected collaboratively by representatives from both the City and the school district, ensuring that the unique needs and priorities of each entity are met. The selection process was guided by specific criteria to prioritize actions that would effectively reduce risk, protect life and property, and improve overall community resilience.

To better organize and focus efforts, the Owasso Hazard Mitigation Planning team grouped the action items into four main categories. These categories provide a clear framework to understand the scope and nature of the mitigation strategies, as well as the types of resources and expertise required for implementation:

1. **Local Plans and Regulations:**
   This category includes governmental policies, ordinances, codes, and regulations that influence land use, development, and building practices. Actions in this category often involve updating zoning laws, enforcing building codes, and creating contingency plans that help reduce vulnerability by shaping how the community grows and how structures are maintained. These regulatory tools serve as the foundation for sustainable hazard mitigation by promoting safer construction practices and guiding development away from high-risk areas.
2. **Structure and Infrastructure:**
   These actions focus on the physical modification or enhancement of buildings, critical infrastructure, and public facilities to make them more resistant to hazard impacts. This can include retrofitting existing structures, constructing new facilities such as safe rooms or backup power systems, and improving stormwater management infrastructure to reduce flooding. Structural projects aim to physically reduce the exposure of the community's assets to hazards, thereby minimizing damage, service disruption, and recovery time after events.
3. **Natural Systems Protection:**
   Recognizing the important role natural landscapes play in hazard mitigation, this category includes actions designed to preserve, restore, or enhance natural systems. Examples include maintaining wetlands to absorb floodwaters, implementing xeriscaping and drought-resistant landscaping to conserve water, and managing vegetation to reduce wildfire fuel loads. These efforts help maintain ecosystem functions that serve as natural buffers against hazards and support long-term environmental sustainability.
4. **Education and Awareness Programs:**
   Sustained educational efforts are critical to building a community's capacity to prepare for and respond to hazards. This category covers programs and campaigns aimed at increasing public knowledge of hazard risks and promoting proactive mitigation behaviors. These initiatives often target residents, businesses, school staff, and local officials, providing information on emergency preparedness, hazard-specific safety measures, and available mitigation resources. By fostering a culture of awareness and readiness, these programs help reduce vulnerability and enhance community resilience.

Together, these four categories of mitigation actions provide a balanced and strategic approach to reducing the risks posed by natural and man-made hazards. The comprehensive nature of these action items reflects the commitment of both the City of Owasso and Owasso Public Schools to protect lives, safeguard property, and ensure the continuity of essential services and education through proactive hazard mitigation efforts between 2025 and 2030.

City Action Plans

1. **Develop Contingency Plan for Power Outages**
   - Hazard(s): Winter Storm
   - Project Type: Planning and Regulation
   - Lead Agencies: City Public Works, Emergency Management, Police, Fire, Utilities
   - Estimated Cost: $25,000
   - Expected Outcome: Minimize frequency/duration of outages; prioritize critical services
   - STAPLEE: S=4, T=5, A=5, P=5, L=5, E=4, E=4 — Total: 32
   - Priority: High
2. **Install Backup Generators at Key Facilities**
   - Hazard(s): Earthquake, Extreme Cold/Heat, Thunderstorm, Tornado, Winter Storm
   - Project Type: Structure & Infrastructure
   - Lead Agencies: Recreation & Culture, Fire, Emergency Management, Facilities Maintenance
   - Estimated Cost: $250,000
   - Expected Outcome: Maintain critical facility operation during outages
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
   - Priority: High
3. **"All Media" Public Education Program**
   - Hazard(s): Flooding, Tornado, Wind, Thunderstorm, Winter Storm, Heat/Cold, Drought, Wildfire, Earthquake, Hazardous Materials
   - Project Type: Education & Awareness
   - Lead Agency: Emergency Management
   - Estimated Cost: $25,000
   - Expected Outcome: Increase community hazard awareness and mitigation
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=4, E=4 — Total: 33
   - Priority: High
4. **Subdivision Stormwater Drainage Improvements**
   - Hazard(s): Flooding
   - Project Type: Structure & Infrastructure
   - Lead Agency: Public Works
   - Estimated Cost: $4,500,000
   - Expected Outcome: Reduce flooding damage in subdivisions
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
   - Priority: High
5. **Northwest Regional Stormwater Detention Pond**
   - Hazard(s): Flooding
   - Project Type: Infrastructure
   - Lead Agency: Public Works
   - Estimated Cost: $2,000,000
   - Expected Outcome: Temporarily hold stormwater; reduce flooding
   - STAPLEE: S=4, T=4, A=4, P=5, L=5, E=5, E=5 — Total: 32
   - Priority: High

6. **Transportation System Stormwater Drainage Improvements**
   - Hazard(s): Flooding
   - Project Type: Infrastructure
   - Lead Agency: Public Works
   - Estimated Cost: $10,000,000,000
   - Expected Outcome: Reduce flooding along major streets/intersections
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=4, E=5 — Total: 34
   - Priority: High
7. **Stormwater Drainage Channel Improvements (Citywide)**
   - Hazard(s): Flooding
   - Project Type: Structure & Infrastructure
   - Lead Agency: Public Works
   - Estimated Cost: $3,000,000
   - Expected Outcome: Reduce flood hazards to city infrastructure and properties
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
   - Priority: High
8. **Joint Training Center for Public Works and Other Departments**
   - Hazard(s): All Hazards
   - Project Type: Structural
   - Lead Agencies: Public Works, Fire Department
   - Estimated Cost: $1,500,000
   - Expected Outcome: Enhance training for hazard recognition, prevention, response
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
   - Priority: High
9. **Emergency Telephone Notification System**
   - Hazard(s): Dam Failure, Flooding, Tornado, Wildfire
   - Project Type: Education & Awareness
   - Lead Agency: Emergency Management
   - Estimated Cost: $8,500/year
   - Expected Outcome: Mass notifications to targeted phones for hazard warnings
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
   - Priority: High
10. **Install Lightning Warning Systems at Parks and Golf Course**
    - Hazard(s): Severe Thunderstorm, Tornado, High Winds
    - Project Type: Education & Awareness
    - Lead Agency: Recreation and Culture
    - Estimated Cost: $300,000
    - Expected Outcome: Minimize injuries/fatalities from lightning
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: High
11. **Incorporate Xeriscaping and Natural Wetlands in Stormwater Mitigation**
    - Hazard(s): Flooding, Dam Failure
    - Project Type: Natural Systems Protection
    - Lead Agency: Public Works
    - Estimated Cost: Dependent on project
    - Expected Outcome: Reduce risk; protect natural resources
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: High

12. **Mobile Command/Communication Vehicle**
    - Hazard(s): Dam Failure, Earthquake, Flooding, Landslide, Tornado, Wildfire, Winter Storm
    - Project Type: Structure & Infrastructure
    - Lead Agency: Emergency Management
    - Estimated Cost: $500,000
    - Expected Outcome: Provide emergency command/communication at hazard sites
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: Medium
13. **Enforce Mowing Ordinance to Create Fire Breaks**
    - Hazard(s): Wildfire
    - Project Type: Natural Systems Protection
    - Lead Agency: Code Enforcement
    - Estimated Cost: $250,000
    - Expected Outcome: Fire-resistant breaks reduce wildfire spread
    - STAPLEE: S=3, T=4, A=5, P=3, L=5, E=3, E=5 — Total: 28
    - Priority: Medium
14. **Lightning Protection Systems for City Facilities**
    - Hazard(s): Severe Thunderstorm
    - Project Type: Structure & Infrastructure
    - Lead Agency: Public Works
    - Estimated Cost: $15,000 per building
    - Expected Outcome: Protect buildings and electrical equipment
    - STAPLEE: S=5, T=5, A=4, P=4, L=5, E=5, E=5 — Total: 33
    - Priority: Medium
15. **Harden/Bury Electrical Infrastructure**
    - Hazard(s): Earthquake, Extreme Cold/Heat, Tornado, Winter Storm, Wildfire
    - Project Type: Structure & Infrastructure
    - Lead Agencies: Public Works, Electric Companies
    - Estimated Cost: $10,000,000
    - Expected Outcome: Minimize outages and recovery time
    - STAPLEE: S=5, T=5, A=4, P=3, L=2, E=5, E=5 — Total: 29
    - Priority: Medium
16. **Individual Safe Room Rebate Program**
    - Hazard(s): Tornado, Severe Thunderstorm
    - Project Type: Structure & Infrastructure
    - Lead Agency: Emergency Management
    - Estimated Cost: $2,000 per shelter
    - Expected Outcome: Increase residential safe rooms, reduce injuries/fatalities
    - STAPLEE: S=5, T=4, A=4, P=4, L=4, E=4, E=4 — Total: 29
    - Priority: Medium
17. **Update and Implement Wildfire Mitigation Program**
    - Hazard(s): Wildfire
    - Project Type: Education & Awareness
    - Lead Agencies: Fire Department, Strong Neighborhoods
    - Estimated Cost: $300,000
    - Expected Outcome: Reduce wildfire risk in wildland/urban interface
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: Medium

18. **Develop Neighborhood CERTs**
    - Hazard(s): All Hazards
    - Project Type: Education & Awareness
    - Lead Agencies: Emergency Management, Strong Neighborhoods
    - Estimated Cost: $300,000
    - Expected Outcome: Improved neighborhood disaster response and awareness
    - STAPLEE: S=4, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 34
    - Priority: Medium
19. **Repetitive Flood Loss Study**
    - Hazard(s): Flooding
    - Project Type: Local Plans and Regulations
    - Lead Agency: Public Works
    - Estimated Cost: $150,000
    - Expected Outcome: Targeted mitigation in flood-prone areas
    - STAPLEE: S=4, T=5, A=4, P=4, L=5, E=4, E=5 — Total: 30
    - Priority: Medium
20. **NFIP Outreach Campaign**
    - Hazard(s): Flooding
    - Project Type: Education & Awareness
    - Lead Agency: Public Works
    - Estimated Cost: $100,000
    - Expected Outcome: Increase flood insurance participation
    - STAPLEE: S=4, T=5, A=5, P=4, L=5, E=4, E=4 — Total: 30
    - Priority: Medium
21. **Property Acquisition in Floodplain**
    - Hazard(s): Flooding
    - Project Type: Natural Systems Protection
    - Lead Agency: Public Works
    - Estimated Cost: $1,000,000
    - Expected Outcome: Convert flood-prone areas to open space
    - STAPLEE: S=3, T=4, A=3, P=3, L=3, E=2, E=4 — Total: 22
    - Priority: Medium
22. **Vegetation Management to Control Invasive Species**
    - Hazard(s): Wildfire, Drought
    - Project Type: Natural Systems Protection
    - Lead Agencies: Fire Department, Public Works
    - Estimated Cost: $250,000
    - Expected Outcome: Reduce invasive species, conserve water, reduce wildfire fuel
    - STAPLEE: S=4, T=3, A=3, P=3, L=4, E=3, E=5 — Total: 25
    - Priority: Medium
23. **Upgrade City Cyber Capabilities**
    - Hazard(s): All Hazards
    - Project Type: Structure & Infrastructure
    - Lead Agency: Information Technology
    - Estimated Cost: $10,000,000
    - Expected Outcome: Harden IT systems; improve operational resilience
    - STAPLEE: S=5, T=5, A=4, P=5, L=5, E=4, E=5 — Total: 33
    - Priority: Medium

24. **Install Mesh Netting to Prevent Landslides**
    - Hazard(s): Landslide
    - Project Type: Natural Systems Protection
    - Lead Agency: Public Works
    - Estimated Cost: $10,000,000
    - Expected Outcome: Prevent landslides blocking roads
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: Medium
25. **Construct Fire Station Near Stone Canyon Addition**
    - Hazard(s): Wildfire
    - Project Type: Structure & Infrastructure
    - Lead Agency: Fire Department
    - Estimated Cost: $4,000,000
    - Expected Outcome: Improved emergency response
    - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5 — Total: 35
    - Priority: Medium
26. **Install Water Saving Fixtures in City Facilities**
    - Hazard(s): Drought
    - Project Type: Structure & Infrastructure
    - Lead Agency: Building Operations
    - Estimated Cost: $50-$500 per fixture
    - Expected Outcome: Reduce water usage
    - STAPLEE: S=3, T=4, A=5, P=5, L=5, E=4, E=5 — **Total: 31**
    - Priority: Low
27. **Install Energy Efficient Windows**
    - Hazard(s): Extreme Cold, Extreme Heat, Winter Storm
    - Project Type: Structure & Infrastructure
    - Lead Agency: Public Works
    - Estimated Cost: $5,000 per window
    - Expected Outcome: Improve building energy efficiency
    - STAPLEE: S=3, T=4, A=5, P=5, L=5, E=4, E=5 — Total: 31
    - Priority: Low
28. **Install Laminated Impact-Resistant Windows**
    - Hazard(s): Severe Thunderstorm, Tornado, Severe Winds
    - Project Type: Structure & Infrastructure
    - Lead Agency: Public Works
    - Estimated Cost: $5,000 per window
    - Expected Outcome: Reduce window breakage and injury
    - STAPLEE: S=3, T=4, A=5, P=5, L=5, E=4, E=5 — Total: 31
    - Priority: Low

Owasso Public Schools Action Plans:

1. Safe Rooms
    - Hazards: Tornado, Severe Wind, Severe Thunderstorms
    - Type: Structure & Infrastructure
    - Lead: Owasso Public Schools
    - Cost: $200,000,000

- Funding: General Fund, Bond Issue, Hazard Mitigation Grants
- Work Product: Construct safe rooms meeting ICC500 and FEMA 361 standards for faculty, staff, students
- Expected Outcome: Adequate shelter capacity for all on-site personnel
- STAPLEE: S=5, T=5, A=4, P=5, L=5, E=4, E=5
- STAPLEE Total: 33
- Priority: High

2. Communications System
   - Hazards: Dam Failure, Earthquake, Flooding, Severe Thunderstorm, Tornado, Wildfire
   - Type: Structure & Infrastructure
   - Lead: Owasso Public Schools
   - Cost: $300,000
   - Funding: General Fund, Bond Issue, Hazard Mitigation Grants
   - Work Product: Implement and expand district-wide mass notification system
   - Expected Outcome: Simultaneous hazard warnings across all sites
   - STAPLEE: S=4, T=5, A=4, P=5, L=5, E=4, E=5
   - STAPLEE Total: 32
   - Priority: High
3. Expansive Soils Construction Assessment
   - Hazard: Expansive Soils
   - Type: Local Plans and Regulations
   - Lead: Owasso Public Schools
   - Cost: $50,000
   - Funding: General Fund, Building Fund, Bond Issue
   - Work Product: Soil assessment and foundation design for new/repair construction
   - Expected Outcome: Reduced damage from soil-related hazards
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5
   - STAPLEE Total: 35
   - Priority: High
4. Xeriscaping Projects
   - Hazard: Drought
   - Type: Structure & Infrastructure
   - Lead: Owasso Public Schools
   - Cost: $150,000
   - Funding: General Fund, Building Fund
   - Work Product: Install drought-resistant ground cover/natural solutions
   - Expected Outcome: Reduced drought damage to grounds
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5
   - STAPLEE Total: 35
   - Priority: High
5. Hail Guards on HVAC Systems
   - Hazard: Severe Thunderstorm
   - Type: Structure & Infrastructure
   - Lead: Owasso Public Schools
   - Cost: $2,000,000
   - Funding: General Fund, Building Fund, Hazard Mitigation Grants
   - Work Product: Install hail guards to protect HVAC systems
   - Expected Outcome: Reduced repair costs and maintained critical services
   - STAPLEE: S=4, T=5, A=3, P=4, L=5, E=4, E=5

- STAPLEE Total: 30
- Priority: High

6. Emergency Power Back-up Systems
   - Hazards: Earthquake, Extreme Cold/Heat, Severe Thunderstorm, Tornado, Winter Storm
   - Type: Structure & Infrastructure
   - Lead: Owasso Public Schools
   - Cost: $2,500,000
   - Funding: General Fund, Building Fund, Hazard Mitigation Grants
   - Work Product: Install generators and backup power at key sites
   - Expected Outcome: Continuous operation during power outages
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=5, E=5
   - STAPLEE Total: 35
   - Priority: High
7. All Media Program to Educate About Hazard Mitigation
   - Hazards: Earthquake, Extreme Cold/Heat, Drought, Flooding, Landslide, Severe Thunderstorm, Tornado, Wildfire, Winter Storm
   - Type: Education & Awareness
   - Lead: Owasso Public Schools
   - Cost: $400,000
   - Funding: General Fund, Hazard Mitigation Grants, Private Underwriting
   - Work Product: Develop and distribute hazard mitigation information
   - Expected Outcome: Increased awareness and risk reduction actions
   - STAPLEE: S=5, T=4, A=4, P=5, L=5, E=4, E=5
   - STAPLEE Total: 32
   - Priority: High
8. Maintain and Develop Teen Community Emergency Response Team (CERT)
   - Hazard: All Hazards
   - Type: Education & Awareness
   - Lead: Owasso Public Schools
   - Cost: $50,000
   - Funding: General Fund, State & Federal Grants, Private Underwriting
   - Work Product: Recruit/train Teen CERT; disaster exercises
   - Expected Outcome: Enhanced preparedness and mitigation
   - STAPLEE: S=5, T=5, A=4, P=4, L=4, E=5, E=4
   - STAPLEE Total: 31
   - Priority: High
9. Roofing Replacement and Upgrade
   - Hazards: Extreme Cold/Heat, Severe Thunderstorm, Winter Storm
   - Type: Structure & Infrastructure
   - Lead: Owasso Public Schools
   - Cost: $49,500,000
   - Funding: General Fund, Building Fund, Bond Issue, BRIC
   - Work Product: Replace roofs with advanced materials for durability
   - Expected Outcome: Better hazard protection, lower maintenance costs
   - STAPLEE: S=5, T=5, A=5, P=5, L=5, E=4, E=5
   - STAPLEE Total: 34
   - Priority: High

10. Upgrade School Information Technology Capabilities
    - Hazard: All Hazards
    - Type: Structure & Infrastructure
    - Lead: Owasso Public Schools
    - Cost: $10,000,000
    - Funding: General Fund, Capital Bond Funds, Hazard Mitigation Grants
    - Work Product: Harden and expand IT infrastructure
    - Expected Outcome: Ensure continuity during/after disasters
    - STAPLEE: S=5, T=5, A=4, P=4, L=5, E=4, E=4
    - STAPLEE Total: 31
    - Priority: High
11. Protective Walkways Between Buildings
    - Hazards: Severe Thunderstorms, Winter Storms, Extreme Heat
    - Type: Structure & Infrastructure
    - Lead: Owasso Public Schools
    - Cost: $20,000,000
    - Funding: General Fund, Bond Issue, Hazard Mitigation Grants
    - Work Product: Install covered walkways on campuses
    - Expected Outcome: Protect pedestrians from weather elements
    - STAPLEE: S=5, T=5, A=4, P=5, L=5, E=4, E=5
    - STAPLEE Total: 33
    - Priority: Medium
12. Water Saving Features
    - Hazard: Drought
    - Type: Structure & Infrastructure
    - Lead: Owasso Public Schools
    - Cost: $100,000
    - Funding: General Fund
    - Work Product: Install water-saving fixtures
    - Expected Outcome: Reduced water use, especially in drought
    - STAPLEE: S=3, T=4, A=3, P=5, L=5, E=4, E=5
    - STAPLEE Total: 29
    - Priority: Low
13. Energy Efficient Windows
    - Hazards: Extreme Cold, Extreme Heat
    - Type: Structure & Infrastructure
    - Lead: Owasso Public Schools
    - Cost: $5,000,000
    - Funding: General Fund, Building Funds, Hazard Mitigation Grants
    - Work Product: Install energy-efficient windows
    - Expected Outcome: Improved energy efficiency, cost savings
    - STAPLEE: S=3, T=4, A=3, P=5, L=5, E=4, E=5
    - STAPLEE Total: 29
    - Priority: Low

City of Owasso – Integration Steps

For each mitigation action, the City will:

1. **GrOwasso 2035 Comprehensive Plan**
    - Reference hazard mitigation goals (flood resilience, safe growth) in land use, infrastructure, and public safety elements.
    - Integrate actions like safe room development, drainage upgrades, and WUI codes into relevant chapters.
2. **Capital Improvement Program (CIP)**
    - Program funding for stormwater, transportation, and safe room projects within the CIP budget cycle.
    - Prioritize projects that reduce repetitive loss (RL/SRL) exposure.
3. **Zoning / Subdivision Ordinances**
    - Amend subdivision standards to require drainage easements, minimum finished floor elevations, and wildfire defensible space in WUI areas.
    - Strengthen zoning overlays in SFHAs to restrict inappropriate development.
4. **Transportation Plan**
    - Coordinate with Public Works and Streets Dept. to ensure evacuation routes, snow emergency routes, and hazardous materials corridors are prioritized.
    - Include safe room access in transportation connectivity planning.
5. **Drainage / Stormwater Master Plan**
    - Incorporate identified drainage upgrades into the long-range plan.
    - Use mitigation project list to update stormwater capital projects on a 5-year cycle.

Process:

- Emergency Management and Planning Dept. will review the Mitigation Plan annually against updates to GrOwasso 2035, CIP, and ordinances.
- Recommendations will be forwarded to City Council during the budget adoption and ordinance revision process.

Owasso Public Schools – Integration Steps

For each school-focused mitigation action, the District will:

1. **District Facility Master Plan**
    - Integrate FEMA-rated safe rooms, utility elevation, shade structures, and seismic/non-structural safety upgrades into capital planning.
2. **Capital Improvement Program (Bond-funded CIP)**
    - Program safe room construction, window retrofits, and playground shade projects into bond issue cycles.
    - Align school CIP with City CIP for shared infrastructure (e.g., drainage, road access).
3. **School Safety / Emergency Operations Plan (EOP)**
    - Update annually to incorporate hazard-specific protocols (flood shelter, hazmat shelter-in-place, earthquake drills, winter storm closures).
    - Align EOP with City Emergency Operations Plan for consistency.
4. **Transportation Plan (District)**
    - Coordinate with City for snow/ice removal on critical bus routes.
    - Integrate hazard-safe pickup/drop-off procedures for flood and severe storm events.
5. **Drainage & Site Design Standards**
    - Require drainage and flood protection measures in all new school site development.
    - Incorporate defensible space and landscaping standards to reduce wildfire exposure.

Process:

- District Facilities Director and Safety Coordinator will review mitigation actions each school year and incorporate them into facility planning and bond proposals.
- Progress will be reported to the School Board and coordinated with the City's Emergency Management Office.

City of Owasso – Prior Mitigation Actions (Status & Integration)

Action (from previous plan)	Status	Integration / Notes
Acquire/elevate repetitive loss (RL) homes	Ongoing	Incorporated into CIP drainage projects; two homes acquired using FEMA HMGP.
Update stormwater/drainage infrastructure	Ongoing	Prioritized in Drainage Master Plan; Elm Street basin upgrade added to CIP FY2023–2025.
Construct community safe rooms	Complete	New safe room at Community Center integrated into GrOwasso 2035 public facilities element.
Retrofit municipal facility roofs to ICC 500	Ongoing	Incorporated into City facilities maintenance program; Police HQ reroof completed.
Adopt WUI standards for subdivisions	Removed	Not advanced; reconsidered during zoning code update, but deferred.
Expand snow/ice response capacity	Complete	Streets Dept. added 2 snowplows; change reflected in Transportation Plan update (2022).
Promote seismic retrofits of older buildings	Ongoing	Education campaign continues; referenced in Building Code updates (2021 IBC adoption).
Establish cooling centers with backup power	Ongoing	Integrated into Emergency Management Annex; Community Center now designated site.
Hazmat response training & signage	Complete	Added evacuation route signage on US-169 corridors; training institutionalized in Fire Dept. annual training calendar.

Owasso Public Schools – Prior Mitigation Actions (Status & Integration)

Action (from previous plan)	Status	Integration / Notes
Construct FEMA-rated safe rooms at campuses	Ongoing	Added to Facilities Master Plan and Bond-funded CIP; new safe rooms at [Campuses A & B].
Retrofit glazing/roof systems for wind resistance	Ongoing	Integrated into District Facilities Maintenance Plan; [X] campuses complete.
Elevate utilities at flood-prone campuses	Complete	Integrated into drainage/site upgrades during 2020 bond projects.
Create defensible space at WUI-adjacent schools	Ongoing	Coordinated with Owasso Fire Department; landscaping standards revised.
Add backup power at critical campuses	Ongoing	Integrated into Facilities Master Plan; [#] generators installed in 2021.
Anchor non-structural items in classrooms	Complete	Incorporated into District safety protocols and annual inspections.

Action (from previous plan)	Status	Integration / Notes
Install shade structures / revise heat policies	**Ongoing**	Shade structures added via **bond CIP**; policy incorporated into **Athletics Dept. safety manual**.
Enhance hazmat shelter-in-place supplies	**Complete**	Incorporated into **District EOP**; funded by OEM Safety Grant.

4.5 Integration of Mitigation Actions into Local Planning Mechanisms

To ensure that mitigation actions identified in this plan are not standalone but instead woven into the City's and OPS's daily decision-making, Owasso will use the following processes:

City of Owasso

1. **Comprehensive Plan**
   - The Planning Department will review all adopted mitigation actions annually and cross-reference them against the Comprehensive Plan's land use, transportation, housing, and community facilities elements.
   - Mitigation actions related to growth management (e.g., limiting development in the Special Flood Hazard Area, adopting seismic standards, or promoting defensible space in WUI areas) will be integrated into the land use and infrastructure chapters during scheduled updates.
   - The Planning Commission will be briefed annually to ensure alignment of hazard mitigation priorities with long-range growth decisions.
2. **Capital Improvement Program (CIP)**
   - Public Works and Finance staff will incorporate high-priority mitigation projects—such as safe rooms, drainage improvements, or backup power for critical facilities—into the City's five-year CIP during the annual budget cycle.
   - Mitigation actions identified in this plan will be reviewed alongside other capital requests to ensure funding opportunities (local, state, FEMA grants) are leveraged.
   - Projects with high benefit-cost ratios (e.g., repetitive loss property buyouts, safe room construction) will be given higher priority during CIP ranking.
3. **Zoning and Development Regulations**
   - The City's Flood Damage Prevention Ordinance and Unified Development Code will continue to be updated to reflect floodplain management standards, SI/SD requirements, and wildfire/defensible space provisions.
   - Zoning overlays may be used to limit density in high-risk hazard areas.
   - Site plan and subdivision reviews will incorporate hazard mitigation considerations, such as drainage, access in floodplains, and open space preservation in flood-prone or wildfire interface areas.

Owasso Public Schools (OPS)

1. **District Facility Master Plan**
   - OPS will integrate hazard mitigation actions (safe room construction, seismic retrofits, energy resilience, and firebreak maintenance) into the long-range facility master plan.
   - Each new school construction or major renovation project will be reviewed against the hazard mitigation plan to ensure protective features (e.g., FEMA-rated safe rooms, emergency power, drainage controls) are included in design standards.
2. **Annual Capital Planning / Bond Proposals**

- When developing bond proposals or capital improvement packages, OPS will align project lists with mitigation actions identified in this plan.
- The District's operations and maintenance staff will prioritize hazard-related upgrades (generators, shade structures, hardened shelter areas) in budget requests.

3. **Emergency Operations & Continuity of Operations Planning**
   - OPS Emergency Management and Safety staff will integrate mitigation actions into the District's EOP and continuity plans, ensuring that hazard vulnerabilities identified here translate into operational procedures (e.g., designated sheltering, alternate transport routes during floods, backup power for essential campuses).

Ongoing Coordination

- The City's Emergency Management will convene an annual joint meeting with Planning, Public Works, Finance, and OPS Facilities staff to review mitigation progress, update project status, and identify opportunities for integration into the Comprehensive Plan, CIP, zoning code, or OPS planning cycle.
- Documentation of these efforts will be included in plan maintenance reports and shared with decision-makers (City Council and School Board) to ensure policy alignment.



Chapter 5:
Mitigation Capabilities

5.1 Capabilities for Hazard Mitigation

Every community possesses a distinct set of capabilities—including legal authorities, policies, programs, staff expertise, and funding mechanisms—that support the implementation of hazard mitigation efforts and reduce long-term vulnerability. The Owasso Hazard Mitigation planning team assessed these existing capabilities to identify resources that currently help reduce disaster losses and those that could be leveraged more effectively in the future to minimize risks.

5.1.1 Comprehensive Plan

The City of Owasso maintains a comprehensive plan that outlines the community's overall vision and long-term goals. This guiding document addresses future demographics, land use, transportation, infrastructure, and community development strategies. By integrating hazard mitigation policies and objectives into the comprehensive plan, Owasso strengthens its legal and practical framework for implementing risk reduction initiatives. This integration helps ensure that new growth and redevelopment projects adhere to mitigation principles, thereby reducing exposure and vulnerability to hazards over time.

5.1.2 Capital Improvement Plan

The city's Capital Improvement Plan (CIP) schedules and prioritizes investments in public infrastructure projects such as roads, utilities, libraries, and emergency services facilities. The CIP is a crucial tool for directing public funding and managing development, particularly in hazard-prone areas. By coordinating capital expenditures with hazard mitigation priorities, the city can limit public investment in vulnerable locations and focus improvements in safer areas or enhance infrastructure resilience where necessary.

5.1.3 Economic Development Plan

Owasso's Economic Development Plan provides a broad overview of the local and regional economy, establishing policies and strategies to encourage sustainable growth. Importantly, this plan can be aligned with hazard mitigation goals by promoting economic development in areas less susceptible to natural hazards. This targeted approach helps reduce the potential economic impact of disasters by steering investment and new development away from high-risk zones.

5.1.4 Emergency Operations Plan

The City's Emergency Operations Plan (EOP) is a critical component in preparing for, responding to, and recovering from emergencies. The EOP clearly delineates roles, responsibilities, and resource deployment strategies to minimize the adverse effects of hazard events. Owasso supports community safety with an outdoor warning system consisting of 17 fixed sirens and mass notification services accessible to residents via opt-in alerts.

Owasso Public Schools maintain a comprehensive Emergency Operations Plan as well, which complies with the Chase Morris Sudden Cardiac Arrest Prevention Act by establishing cardiac emergency response teams and conducting regular training in CPR and AED use. The schools conduct frequent emergency drills aligned with state regulations and subscribe to Perry Weather® services for lightning and severe weather alerts to ensure timely responses.

5.1.5 Building and Construction Codes

Building codes are critical for hazard mitigation as they establish minimum standards for construction that reflect the specific hazards faced by a community. Owasso enforces several up-to-date codes to ensure new and renovated structures meet safety and resilience standards:

- International Building Code, 2015 Edition
- International Plumbing Code, 2015 Edition
- International Mechanical Code, 2015 Edition
- National Electric Code, 2014 Edition
- International Fire Code, 2015 Edition
- International Residential Building Code for One-and Two-Family Dwellings, 2009 Edition

Structures built under these codes are designed to withstand hazards such as strong winds, floods, and seismic activity, significantly reducing potential damage.

5.1.6 Zoning Ordinances

Zoning ordinances serve as an effective mitigation tool by regulating land use and development density in hazard-prone areas. By restricting or guiding development patterns, zoning can limit exposure to hazards while balancing private property rights. The State of Oklahoma encourages incorporating hazard mitigation standards into local zoning codes, and Owasso's zoning code and land use policies are detailed further in Section 1-11 of this plan.

5.1.7 National Flood Insurance Program Participation

Owasso has been a participant in the National Flood Insurance Program (NFIP) since 1987. The city enforces Flood Damage Prevention Resolution Number 367, which requires new developments to be constructed at least one foot above the 100-year base flood elevation. Continued enforcement of this resolution helps reduce flood risk and protects residents by ensuring that properties adhere to flood-resistant construction standards. Public education efforts also promote awareness and participation in the NFIP.

5.1.8 Administrative and Technical Capabilities

The city and school district maintain staff with various technical and administrative skills critical for hazard mitigation. Below is a summary of these capabilities:

Capability	City of Owasso	Owasso Public Schools
Planners/Engineers with knowledge of land development	✓	
Engineers trained in construction/building/fire practices	Contract Only	Contract Only
Planners/Engineers with hazard knowledge	✓	

Capability	City of Owasso	Owasso Public Schools
Floodplain Manager	✓	
Surveyors	Contract Only	Contract Only
Staff with vulnerability assessment expertise	✓	✓
GIS/HAZUS Specialists	✓	
Scientists familiar with local hazards	Contract Only	
Emergency Manager	✓	
Grant Writers	(not indicated)	

These personnel are vital in assessing risks, planning mitigation, managing development, and securing funding.

Specialized Roles:

- **Floodplain Management:**
  The City of Owasso actively enforces floodplain management regulations under the National Flood Insurance Program and the Oklahoma Floodplain Management Act. These regulations control development in flood-prone areas to reduce flood damage and financial losses, including enforcement of permits, variances, and penalties for non-compliance. The city employs accredited floodplain administrators trained by the Oklahoma Water Resources Board to maintain effective local floodplain oversight.
- **Surveyors:**
  Surveyors provide essential land measurement and mapping services that inform development and mitigation planning. Their detailed surveys establish property boundaries, assess terrain and drainage, and support legal compliance and construction accuracy, helping reduce hazard exposure through informed site development.
- **GIS and HAZUS Specialists:**
  Geographic Information Systems (GIS) and HAZUS modeling support hazard risk assessment by providing spatial data analysis and loss estimation. These tools enable the city to visualize hazard zones, plan mitigation projects, and prioritize resources based on data-driven insights.
- **Emergency Manager:**
  The Emergency Manager oversees all phases of emergency management, including preparedness, response, recovery, and mitigation. This role is essential for coordinating community-wide disaster efforts, managing training and exercises, and raising public awareness.

5.2 Funding Capabilities

Effective hazard mitigation depends heavily on available funding. Owasso leverages a diverse array of funding sources at local, regional, state, and federal levels to implement mitigation actions.

Funding Source	City of Owasso	Owasso Public Schools
Capital Improvement Project Funding	✓	✓
Sales Tax	✓	
Property Tax		✓
Water/Sewer Fees	✓	

Funding Source	City of Owasso	Owasso Public Schools
Development Fees	✓	
General Obligation Debt & Tax Bonds	✓	
Community Development Block Grants (CDBG)	✓	✓
Federal Funding Programs	✓	✓
State Funding Programs	✓	✓

Descriptions of Key Funding Sources:

- **Capital Improvement Project Funding:**
  The City of Owasso has a dedicated sales tax (a "third cent" tax) that funds capital projects. This revenue is allocated through a formal review and approval process involving the Capital Improvements Committee and City Council, with public oversight via a Citizens' Watchdog Committee. These funds support infrastructure improvements that align with hazard mitigation goals.
- **Sales Tax:**
  Sales tax revenue supplements funding for mitigation projects, providing essential local matching funds to access state and federal grants. Its availability is subject to economic conditions but remains a critical funding pillar.
- **Property Tax:**
  Owasso Public Schools primarily use property tax revenues and bond issuance to finance disaster preparedness and mitigation efforts, including infrastructure upgrades and emergency equipment.
- **Water and Sewer Fees:**
  The Owasso Public Works Authority operates water and sewer systems funded largely through user fees. These fees support the construction, maintenance, and extension of utility infrastructure, which can be designed or upgraded to reduce hazard vulnerabilities.
- **Development Fees:**
  Fees collected from new development offset the costs of expanding public services and infrastructure, encouraging safer construction and planning practices.
- **Debt Financing (General Obligation Funds/Tax Bonds):**
  The City may issue bonds or allocate general funds to finance large-scale mitigation projects, leveraging debt to address urgent infrastructure needs.
- **Community Development Block Grants (CDBG):**
  The CDBG program funds projects that improve living conditions, especially for low- to moderate-income populations. Mitigation projects meeting national objectives related to health and safety can qualify for this funding source.
- **Federal and State Grants:**
  Various federal and state programs provide grants specifically for hazard mitigation, emergency management, and resilience-building projects, which the city and schools actively pursue.

By integrating these capabilities—ranging from planning documents and technical expertise to diverse funding mechanisms—the City of Owasso and Owasso Public Schools maintain a robust foundation to implement hazard mitigation strategies and improve community resilience over the coming years.

5.3 Federal Emergency Management Agency (FEMA) Grants

Emergency Management Performance Grants (EMPG)

- Provides federal funds to assist state, local, tribal, and territorial emergency management agencies in preparing for all hazards.
- Supports the National Preparedness Goal by funding planning, training, and resource coordination efforts.

Flood Mitigation Assistance Program (FMA)

- Funds projects that reduce or eliminate flood risks to properties insured under the National Flood Insurance Program (NFIP).
- Supports planning and mitigation activities aimed at long-term flood loss reduction.

Hazard Mitigation Grant Program (HMGP)

- Activated following a Presidential Major Disaster Declaration.
- Provides funding for mitigation projects that reduce risk to life and property from future disasters.

Building Resilient Infrastructure and Communities (BRIC)

- Replaces the Pre-Disaster Mitigation (PDM) Program.
- Supports states, tribes, and local communities with pre-disaster mitigation funding focused on long-term risk reduction and community resilience.

High Hazard Dam Potential Grant Program

- Provides assistance for planning, design, and construction to rehabilitate high hazard potential dams.

Public Assistance Program (406 Funding)

- Offers grants for disaster response and recovery, including debris removal, emergency protective measures, and repair of damaged public facilities.
- Encourages hazard mitigation measures during recovery.

National Dam Safety Program

- Promotes effective dam safety programs at the state and federal level to reduce risk to life and property.

Community Assistance Program – State Support Services Element (CAP-SSSE)

- Provides technical assistance and funding to states to support NFIP community floodplain management before flood events occur.

5.3.1 U.S. Department of Housing and Urban Development (HUD)

Community Development Block Grant – Mitigation (CDBG-MIT)

- Funds strategic, high-impact disaster mitigation activities in areas impacted by recent disasters, focusing on reducing future risks and losses.

Community Development Block Grant – Disaster Recovery (CDBG-DR)

- Supports long-term recovery in housing, infrastructure, and economic development in Presidentially declared disaster areas, with mitigation often included as a component.

5.3.2 U.S. Department of Agriculture (USDA) Programs

Conservation Reserve Program (CRP)

- Encourages agricultural landowners to convert marginal farmland to vegetative cover, reducing erosion and downstream flooding while restoring wetlands.

Conservation Stewardship Program (CSP)

- Provides payments to producers for conservation practices that reduce runoff, erosion, and flooding.

Emergency Watershed Protection Program (EWP)

- Provides technical and financial assistance for immediate post-disaster watershed recovery and flood mitigation, including debris removal, streambank stabilization, and levee repair.

Environmental Quality Incentives Program (EQIP)

- Supports agricultural producers with financial and technical assistance to implement conservation practices that improve water and soil quality and reduce disaster impacts.

Housing Preservation Grants (HPG)

- Funds rehabilitation and repair of low- and very low-income housing, including repairs to mitigate future hazard impacts.

USDA Disaster Assistance Programs

- Includes various programs such as emergency loans and forest restoration to assist agricultural producers in disaster recovery and resilience.

Water and Environmental Programs (WEP)

- Provides loans, grants, and technical assistance for rural water, sewer, solid waste, and storm drainage infrastructure projects that can support flood mitigation goals.

5.3.3 Economic Development Administration (EDA)

EDA Disaster Recovery and Supplemental Funding

- Supports long-term community economic recovery, redevelopment, and resilience planning through grants and technical assistance.

5.3.4 Environmental Protection Agency (EPA)

Brownfields Program Grants

- Funds assessment and cleanup of contaminated properties to prevent hazardous material spread during disasters.

Nonpoint Source Water Quality Grants (Section 319)

- Supports state and tribal programs addressing pollution control and water quality improvements that align with flood mitigation goals.

Smart Growth Support

- Provides research, technical assistance, and funding to promote sustainable community development, including resilient infrastructure and land preservation.

Wetlands Protection Program Development Grants

- Funds projects aimed at strengthening wetland protection, a key natural system mitigating flood impacts.

5.3.5 Department of Interior Programs

Disaster Recovery Grants (National Park Service)

- Provides funds for historic preservation recovery projects post-disaster, including mitigation steps to reduce future damage.

Housing Improvement Program (Bureau of Indian Affairs)

- Offers grants for home repair and renovation to low-income American Indian and Alaska Native families, including hazard mitigation improvements.

North American Wetland Conservation Fund

- Supports wetland conservation projects that protect natural flood buffers.

Tribal Resilience Program

- Funds tribal capacity building for climate adaptation, vulnerability assessments, and resilience planning.

WaterSMART Programs (Bureau of Reclamation)

- Provides grants and technical assistance for water supply modernization, drought planning, and watershed management.

5.3.6 Other Notable Programs

Five Star and Urban Waters Restoration Grant Program (National Fish and Wildlife Foundation)

- Supports community stewardship projects focused on water quality, habitat restoration, and stormwater pollution reduction.

Resilient Communities Program (National Fish and Wildlife Foundation)

- Focuses on ecosystem health, water resources, and inclusion of underserved populations in resilience efforts.

Emergency Relief Program (Federal Highway Administration)

- Offers funding for repair and reconstruction of federal highways damaged by disasters or catastrophic failures.

Climate Adaptation Fund (Wildlife Conservation Society)

- Provides grants to conservation organizations to address climate change impacts on wildlife and communities.

These grants and programs offer a broad range of financial and technical support that the City of Owasso and Owasso Public Schools can leverage to advance hazard mitigation, disaster preparedness, recovery, and resilience efforts, addressing hazards ranging from flooding and severe weather to infrastructure vulnerabilities and environmental conservation.

5.3.7 Oklahoma Conservation Commission Programs

Locally Led Conservation Cost-Share Program

- Provides financial assistance to local landowners to stabilize soil erosion and improve water quality.
- Funds are allocated to conservation districts, which solicit and evaluate applications based on local priorities.
- These projects help reduce erosion and improve watershed health, which can mitigate flood impacts.

Priority Watershed Cost-Share Program

- Funds clean water projects targeting pollutant removal from water sources, especially from non-point sources such as runoff.
- Improving water quality often benefits flood and erosion control by enhancing natural watershed functions.

5.3.8 Oklahoma Department of Agriculture, Food, and Forestry

80/20 Reimbursement Grant

- Supports rural fire departments serving communities with fewer than 10,000 residents.

- Provides reimbursement of 80% of project costs, helping fire departments with equipment, training, and outreach efforts.
- Encourages education and land management practices to prevent wildfire hazards.

Community Wildfire Preparedness Planning Grant (Administered by Oklahoma Forestry Service)

- Offers assistance and funding for communities to develop wildfire protection plans.
- Helps communities gain recognition through the Firewise program, improving wildfire resilience through planning and community engagement.

5.3.9 Oklahoma Water Resources Board (OWRB)

Financial Assistance Programs

- Provides various grants to support community efforts in protecting Oklahoma's water resources.
- Eligible projects include brownfield remediation, urban stormwater management, and flood mitigation initiatives.
- Supports infrastructure and natural system projects that reduce flood risk and improve water quality.

5.3.10 Oklahoma Department of Wildlife Conservation

State Wildlife Grants

- Focuses on conserving rare or at-risk animal species and their habitats.
- While not directly hazard mitigation, these projects support ecosystem resilience to hazards like flooding, drought, and extreme heat.
- Offers opportunities for partnerships with local conservation organizations, which can enhance natural systems protection.

These state-funded programs provide important resources for communities like Owasso to address hazard mitigation, improve environmental quality, and build resilience against natural hazards through local partnerships, infrastructure improvements, and conservation efforts. Leveraging these programs in coordination with federal grants can significantly enhance the city's overall mitigation strategy.

5.4 Obstacles, Challenges, and Proposed Solutions Related to City Capabilities

The City of Owasso benefits from strong financial capabilities, demonstrated by its effective use of both local and external funding sources to support hazard mitigation projects. Local funding efforts include substantial investments in stormwater infrastructure, acquisition and conservation of open spaces, Community Risk Reduction (CRR) programs, and broader initiatives focused on emergency preparedness and community resilience. These funds are drawn from multiple local sources such as the General Fund, the Capital Improvements Plan, and various grant programs.

In addition, the City has demonstrated a consistent ability to combine local funds with external grants from federal and state programs dedicated to hazard resilience. This combined approach has facilitated the implementation of numerous risk reduction and mitigation projects. However, while individual City departments have been successful in securing grants within their own operational areas, the creation of a dedicated, full-time grant writer or grant administrator

position would greatly enhance the City's overall capacity. This role would focus on cross-department coordination and proactively pursuing larger-scale capital project funding opportunities, especially those aimed at hazard mitigation.

Despite these strengths, there remain opportunities to expand and improve the City's capabilities in hazard risk reduction. Several challenges and gaps have been identified, including:

- **Funding Constraints:** While the City can leverage some local funds, the availability of dedicated funding for large-scale mitigation projects is often limited. Many promising initiatives face delays or downscaling due to budgetary restrictions.
- **Coordination and Staffing:** The current lack of a centralized position for grant administration limits the City's ability to maximize funding opportunities and implement more complex, multi-departmental mitigation projects efficiently.
- **State-Level Funding Structures:** Changes in state funding mechanisms, especially related to public safety and hazard mitigation, could unlock additional financial resources for the City. Currently, some state-level funding policies limit the flexibility and scale at which local governments can invest in mitigation.

To address these obstacles, the following solutions are proposed:

1. **Establish a Full-Time Grant Administrator Role:** This position would focus on identifying, applying for, and managing hazard mitigation grants across all City departments, ensuring more strategic and comprehensive funding pursuits.
2. **Increase Local Budget Allocations for Mitigation:** By prioritizing hazard mitigation within the City's Capital Improvements Plan and General Fund, Owasso can ensure steady funding streams for ongoing and new projects.
3. **Advocate for State Funding Reforms:** Engage with state legislators and relevant agencies to promote policies that provide greater and more flexible funding to municipalities for public safety and hazard mitigation initiatives.
4. **Strengthen Interdepartmental Collaboration:** Facilitate better communication and coordination among City departments to integrate hazard mitigation goals into all planning, development, and emergency management activities.
5. **Pursue Public-Private Partnerships:** Explore opportunities to collaborate with local businesses, nonprofits, and community organizations to supplement funding and resources for mitigation and resilience-building efforts.

By implementing these solutions, the City of Owasso can overcome existing challenges and build upon its current capabilities to better protect the community from future natural hazard impacts while promoting long-term resilience and sustainability.

5.5 Capability Changes Since Previous Plan Approval

Experience from prior hazard events has shown that requiring citizens in medium to larger communities to travel to a centralized, distant location during severe weather exposes them to increased risk, essentially putting them in harm's way while trying to seek safety. Based on this understanding, the City of Owasso has revised its mitigation strategy concerning community saferooms. The previous approach, which focused on congregate public access saferooms, has been discontinued. Instead, the City has shifted to a targeted strategy of constructing saferooms exclusively within schools—specifically for staff, faculty, and students—where such facilities currently do not exist. These school saferooms will not be open to the general public.

In lieu of public congregate saferooms, the City now encourages the development and construction of individual private shelters and saferooms for residents. This approach allows individuals and families to seek immediate protection close to home during hazard events, reducing the risks associated with travel during emergencies.

The capability assessment evaluates the City of Owasso's existing tools, resources, policies, and organizational structures available to increase resilience to natural hazards. Its primary purpose is to identify areas where these capabilities can be strengthened or enhanced. This assessment, together with the risk assessment, forms the foundation for crafting a hazard mitigation strategy that is both actionable and effective.

A key part of the planning process involves assessing the feasibility of various goals and actions based on the organizational capacity of the agencies or departments charged with their implementation. The capability assessment helps pinpoint which mitigation actions are practical and achievable over time, considering Owasso's current authorities, policies, programs, staff expertise, and funding availability. Additionally, the assessment reveals critical gaps or limitations in capabilities that may need to be addressed to improve hazard risk reduction efforts. It also identifies the City's strengths and effective practices that should be maintained or expanded to bolster local mitigation.

This capability assessment was conducted not only to inform and establish realistic goals and actions for the City of Owasso's Hazard Mitigation Plan update but also to ensure these objectives align with existing local conditions and organizational capacity.

The updated Hazard Mitigation Plan includes a thorough evaluation of several key components supporting hazard mitigation efforts, such as current policies, programs, resources, and authorities. This comprehensive evaluation is summarized in the chart below, illustrating the City's present mitigation capabilities and highlighting areas for future growth and focus.

Increased Capabilities since Previous Plan Approval

Component	Description
Planning and Regulatory Capabilities	Local plans, policies, codes, and ordinances that help reduce the potential impacts of hazards.
Administrative and Technical Capabilities	Local human resources, expertise, and technical tools available to support mitigation activities.
Financial Capabilities	Fiscal resources accessible to the community for funding hazard mitigation projects.
Education and Outreach Capabilities	Local programs and communication methods that promote awareness and support for mitigation efforts.
NFIP Participation and Compliance	Summary of the community's participation in the National Flood Insurance Program and compliance with NFIP requirements.

Chapter 6:
Plan Review, Evaluation and Implementation

6.1 Method and Schedule for Monitoring, Evaluating, and Updating the Plan

To maintain the relevance, effectiveness, and alignment of the Hazard Mitigation Plan with the City of Owasso's changing needs and capabilities, a structured method and schedule for ongoing monitoring, evaluation, and updating has been established. This process is essential not only for ensuring that mitigation efforts remain on track but also for maintaining eligibility for federal mitigation funding and fostering continuous community resilience.

Monitoring

The Hazard Mitigation Planning Team, composed of representatives from key city departments and partner organizations, will conduct an annual review of the plan. This review will focus on:

- Tracking progress: Monitoring the status of mitigation action items to ensure they are advancing as intended.
- Assessing risk changes: Identifying any shifts in hazard risks or exposure resulting from new development, infrastructure projects, or environmental factors.
- Reviewing policy updates: Evaluating changes in policies, regulations, or guidance that may influence mitigation strategies.
- Gathering stakeholder input: Collecting feedback from city staff, regional partners, and community members to identify emerging issues, needs, or opportunities.

In addition to these tasks, the Planning Team will continuously monitor the plan's purpose and goals to confirm they remain relevant and effective. This will include:

- Evaluating effectiveness: Reviewing whether progress toward mitigation goals is measurable and producing the intended outcomes.
- Comparing against changing conditions: Assessing how new hazards, demographic shifts, land use changes, or economic factors may affect the continued relevance of the goals.
- Benchmarking with best practices: Incorporating lessons learned from recent disasters, new technologies, and evolving federal and state guidance.
- Engaging stakeholders: Soliciting input from city leadership, partner agencies, and the public to ensure the goals reflect community priorities.

Findings from both the annual review and continuous monitoring will be documented in the plan maintenance record and used to guide any needed revisions, keeping the plan purposeful, actionable, and aligned with the community's long-term resilience objectives.

Evaluation

Every two years, the Planning Team will carry out a comprehensive evaluation of the plan's effectiveness by:

- Assessing the outcomes of mitigation actions implemented since the last evaluation.

- Identifying barriers or challenges that may have impeded progress, such as funding gaps, staffing limitations, or unforeseen obstacles.
- Reviewing whether the plan's goals and objectives continue to address the most critical risks facing the community.
- Recommending modifications to improve the implementation and impact of mitigation strategies.

Plan Updating

The **City of Owasso Emergency Management Department** will serve as the lead entity responsible for coordinating the five-year update of this Hazard Mitigation Plan. Emergency Management will convene the Hazard Mitigation Planning Team at least 12 months prior to plan expiration to initiate the update process. The update will:

- Review progress on previously identified mitigation actions.
- Reassess risk and vulnerability using current data, development trends, and hazard events.
- Incorporate updates from the Comprehensive Plan, Capital Improvement Plan, and relevant school district and partner agency plans.
- Document how mitigation priorities and community capabilities have changed since the prior plan.

Emergency Management will ensure that required public outreach, agency coordination, and submission through the State Hazard Mitigation Officer to FEMA occur in accordance with federal guidance.

Coordination and Transparency

Throughout all stages of monitoring, evaluation, and updating, the City will emphasize collaboration with local departments, regional agencies, neighboring jurisdictions, and the public. This inclusive approach ensures that hazard mitigation efforts are comprehensive, coordinated, and responsive to the community's needs.

Plan Accessibility

To promote transparency and community engagement, copies of the Hazard Mitigation Plan will be available upon request. Additionally, the plan will be accessible on the City of Owasso's official website, allowing residents, stakeholders, and partners easy access to the plan and its updates.

This systematic approach will help the City of Owasso remain proactive in reducing hazard risks, enhancing public safety, and building a resilient community well into the future.

6.2 System for Tracking Mitigation Action Items and Plan Goals

An effective, well-structured system for tracking the progress of mitigation actions and the achievement of hazard mitigation plan goals is critical for ensuring accountability, maintaining transparency, and fostering continuous improvement. The City of Owasso will implement a **coordinated, multi-departmental tracking process** led by the Hazard Mitigation Planning Team. This system will document, monitor, and report on all mitigation activities from initiation through completion, while providing clear linkages to the City's overall resilience objectives.

6.2.1 Tracking System Components

1. Mitigation Action Tracker
A centralized, regularly updated database or spreadsheet will serve as the official repository for all mitigation actions identified in the plan. This tool will contain:

- **Action Title & Description** – Concise identification and explanation of the action.
- **Responsible Agency/Department** – The lead entity accountable for implementation.
- **Implementation Timeline** – Start and projected completion dates, with progress milestones.
- **Funding Sources** – Identified and secured funding streams, including local, state, and federal resources.
- **Status Updates** – Current stage of implementation (e.g., "planning," "in progress," "completed").
- **Modifications** – Any changes to scope, schedule, or funding since the last update.

This tracker will be maintained throughout the plan's lifecycle and reviewed by the Hazard Mitigation Planning Team at least annually to ensure accuracy and completeness.

2. Progress Reports
Each department or agency responsible for a mitigation action will submit periodic status updates, detailing:

- Milestones achieved during the reporting period.
- Challenges or barriers encountered, along with proposed solutions.
- Anticipated next steps and projected timelines.

These individual updates will be consolidated into an Annual Mitigation Progress Report, reviewed by the Hazard Mitigation Planning Team, and used to guide adjustments in priorities or strategies.

3. Performance Indicators (KPIs)
To objectively measure progress toward hazard mitigation goals, key performance indicators will be developed for each objective. KPIs may include:

- **Quantitative Metrics** – Number of actions completed, amount of funding secured, percentage of targeted infrastructure upgraded, or square footage of flood-prone areas protected.
- **Qualitative Outcomes** – Increased community awareness, adoption of risk-reducing policies, or enhanced coordination among departments.
- **Risk Reduction Indicators** – Measurable decreases in hazard vulnerability, such as reduced repetitive loss properties or lower floodplain development.

These KPIs will be reviewed alongside the mitigation tracker to ensure alignment between project-level progress and plan-level objectives.

4. Public Transparency and Engagement
To promote accountability and community involvement:

- **Annual Progress Summaries** will be made publicly available through the City of Owasso's official website.
- Updates may be included in public safety reports, City Council briefings, or community engagement sessions.
- Residents will be encouraged to provide feedback on mitigation efforts, helping identify new needs or confirm community support for existing initiatives.

5. Integration with Other Planning Processes
Mitigation tracking will be coordinated with other municipal planning and reporting systems, such as:

- **Capital Improvements Plan (CIP)** – Aligning infrastructure investments with hazard reduction priorities.
- **Emergency Operations Plan (EOP)** – Ensuring operational readiness aligns with long-term mitigation strategies.
- **Comprehensive Plan** – Integrating hazard resilience into land use, development, and sustainability policies.

This integration will promote multi-departmental collaboration and ensure that hazard mitigation is woven into broader city management processes.

6.2.3 Adaptive Management

The tracking system is designed to support adaptive management, allowing the Hazard Mitigation Planning Team to modify mitigation actions, timelines, or funding approaches in response to:

- New hazard data or risk assessments.
- Evolving community priorities.
- Emerging funding opportunities.
- Lessons learned from completed or ongoing projects.

This approach ensures that the City's mitigation strategy remains flexible, evidence-driven, and capable of responding to changing conditions over time.

6.2.4 Owasso Mitigation Actions 2025-2030

1. Construct safe rooms in all public schools without existing facilities

- **Category:** Structure & Infrastructure
- **Responsible Dept.:** OPS / Public Works
- **Timeline:** 2025–2027
- **Funding:** FEMA HMGP, State Safe Room Grant, Local Funds
- **Status:** Planning phase
- **STAPLEE Score:** 32 (S:4 / T:5 / A:4 / P:5 / L:5 / Ec:4 / Env:5)
- **KPI:** % of schools with FEMA-compliant safe rooms (Target: 100% by 2027)
- **Monitoring:** Annual facility report review, site inspections, updates to Mitigation Action Tracker

2. Promote private residential safe room installation through rebates & education

- **Category:** Education & Awareness
- **Responsible Dept.:** Emergency Management
- **Timeline:** 2025–2030
- **Funding:** OK Safe Room Rebate Program, Private Funds
- **Status:** In progress
- **STAPLEE Score:** 33 (S:5 / T:5 / A:3 / P:5 / L:5 / Ec:5 / Env:5)
- **KPI:** Annual % increase in rebate applications and completions (Target: +10% per year)
- **Monitoring:** Compile rebate data & homeowner surveys annually

3. Upgrade stormwater drainage in high-flood-risk neighborhoods

- **Category:** Structure & Infrastructure

- **Responsible Dept.:** Public Works
- **Timeline:** 2026–2030
- **Funding:** FEMA BRIC, CIP, General Fund
- **Status:** Not started
- **STAPLEE Score:** 30 (S:4 / T:5 / A:4 / P:4 / L:5 / Ec:3 / Env:5)
- **KPI:** % reduction in reported flood incidents (Target: 50% within 2 years post-completion)
- **Monitoring:** Compare pre/post-project flood reports annually

4. Expand outdoor warning siren network for full city coverage

- **Category:** Structure & Infrastructure
- **Responsible Dept.:** Emergency Management
- **Timeline:** 2025–2026
- **Funding:** Local Funds, DHS Grants
- **Status:** In progress
- **STAPLEE Score:** 33 (S:5 / T:5 / A:4 / P:5 / L:5 / Ec:4 / Env:5)
- **KPI:** % of population within audible siren range (Target: 100% by 2026)
- **Monitoring:** Annual coverage mapping & functional testing

5. Update floodplain regulations to reflect best practices and new FEMA maps

- **Category:** Local Plans & Regulations
- **Responsible Dept.:** Planning / Engineering
- **Timeline:** 2025–2027
- **Funding:** General Fund
- **Status:** Not started
- **STAPLEE Score:** 32 (S:4 / T:5 / A:4 / P:4 / L:5 / Ec:5 / Env:5)
- **KPI:** Adoption of updated ordinance within 6 months of FEMA map release
- **Monitoring:** Biennial review of FEMA map updates & ordinance revisions

6. Develop public wildfire awareness program (vegetation clearance, defensible space)

- **Category:** Education & Awareness
- **Responsible Dept.:** Fire Dept / Emergency Management
- **Timeline:** 2025–2026
- **Funding:** State Grants, Local Funds
- **Status:** Not started
- **STAPLEE Score:** 32 (S:5 / T:5 / A:4 / P:4 / L:5 / Ec:4 / Env:5)
- **KPI:** % of at-risk properties completing defensible space improvements (Target: 25% in 1st year)
- **Monitoring:** Annual property surveys & fire inspection review

7. Install backup generators at critical facilities (water treatment, EOC)

- **Category:** Structure & Infrastructure
- **Responsible Dept.:** Public Works / Utilities
- **Timeline:** 2026–2028
- **Funding:** FEMA HMGP, CIP
- **Status:** Not started

- **STAPLEE Score:** 33 (S:5 / T:5 / A:4 / P:5 / L:5 / Ec:4 / Env:5)
- **KPI:** % of critical facilities with operational backup power (Target: 100% by 2028)
- **Monitoring:** Annual inspection & testing logs

8. Enhance public flood hazard education (signage, web tools)

- **Category:** Education & Awareness
- **Responsible Dept.:** Emergency Management / Planning
- **Timeline:** 2025–2026
- **Funding:** Local Funds, State Flood Mgmt Grants
- **Status:** Not started
- **STAPLEE Score:** 31 (S:5 / T:5 / A:3 / P:4 / L:5 / Ec:4 / Env:5)
- **KPI:** Number of outreach events & materials distributed annually (Target: 4 events, 500+ materials)
- **Monitoring:** Track attendance, distribution counts, & feedback forms

9. Create green infrastructure program to reduce stormwater runoff

- **Category:** Natural Systems Protection
- **Responsible Dept.:** Public Works / Parks
- **Timeline:** 2026–2030
- **Funding:** State Environmental Grants, CIP
- **Status:** Not started
- **STAPLEE Score:** 30 (S:4 / T:5 / A:3 / P:4 / L:5 / Ec:4 / Env:5)
- **KPI:** Sq. ft. of green infrastructure installed (Target: 50,000 sq. ft. by 2030)
- **Monitoring:** GIS mapping & maintenance records

10. Integrate hazard mitigation into Comprehensive Plan & CIP updates

- **Category:** Local Plans & Regulations
- **Responsible Dept.:** Planning Dept
- **Timeline:** 2025–2027
- **Funding:** General Fund
- **Status:** Not started
- **STAPLEE Score:** 33 (S:4 / T:5 / A:5 / P:4 / L:5 / Ec:5 / Env:5)
- **KPI:** % of CIP projects incorporating mitigation (Target: 100% by 2026)
- **Monitoring:** Annual CIP & Comprehensive Plan review

6.3 Summary of Local Programs to Accomplish Hazard Mitigation

Since the approval of the previous Hazard Mitigation Plan, the City of Owasso has made several important updates and improvements to its local capabilities that enhance its ability to reduce hazard risks and strengthen community resilience. These changes reflect proactive planning, improved emergency response capacity, and adjustments based on new data and evolving hazard conditions. The following is a detailed summary of key capability changes since the last plan cycle:

1. **Updated Plans and Ordinances**

- The City has adopted updates to critical planning documents, including revisions to the Comprehensive Plan and Stormwater Management Regulations. These updates integrate hazard mitigation more thoroughly into land use, infrastructure, and water management policies.
- Local zoning ordinances have been strengthened to enforce tighter controls in hazard-prone areas, particularly within floodplains and other high-risk zones. This reduces vulnerability by limiting development in areas prone to flooding and other hazards.
- New FEMA floodplain maps and hazard data have been incorporated into local regulatory frameworks to ensure consistency with federal guidelines and improve risk awareness.

2. **Enhanced Emergency Management Capacity**
   - The Emergency Management Department has expanded training efforts, increasing the frequency and scope of preparedness exercises for city staff, first responders, and community partners. These trainings improve coordination and response effectiveness during hazard events.
   - The City has adopted new technologies, including upgraded outdoor warning sirens and GIS-based hazard mapping tools, which support faster, more accurate emergency notifications and incident management.
   - Improvements to communication systems such as reverse 911 and mobile alerts have enhanced the City's ability to quickly notify residents during emergencies.
3. **Expansion of Mitigation Funding Opportunities**
   - The City has increased local investment in hazard mitigation through its Capital Improvements Plan, with additional funds dedicated to stormwater infrastructure upgrades, drainage improvements, and the hardening of critical facilities.
   - Staff have pursued a wider array of federal and state grants, successfully obtaining funding from programs such as FEMA's Hazard Mitigation Grant Program (HMGP) and Building Resilient Infrastructure and Communities (BRIC) grants. These resources have enabled more comprehensive hazard mitigation projects.
   - Efforts to improve grant administration, including the potential hiring of a dedicated grant coordinator, aim to streamline funding applications and project management.
4. **Community Engagement and Outreach**
   - The City has implemented new public education initiatives focused on disaster preparedness, flood safety, wildfire prevention, and severe weather awareness. These programs involve workshops, school activities, and community events designed to inform and engage residents.
   - The use of social media and the City's website for real-time hazard updates and preparedness information has been expanded to reach a broader audience.
   - Partnerships with local organizations and regional agencies have been strengthened to support community-wide hazard awareness and response capabilities.
5. **Cross-Departmental Coordination and Capacity Building**
   - Coordination between departments such as Public Works, Emergency Management, Planning, and Utilities has improved through regular meetings and joint training exercises. This collaboration ensures more integrated hazard mitigation and emergency preparedness efforts.
   - Staff development opportunities focused on hazard mitigation best practices have increased, enhancing the skills and knowledge of city personnel responsible for implementing mitigation actions.

Overall, these capability improvements have strengthened Owasso's ability to manage hazard risks and protect its residents and infrastructure. The City has made important strides in updating plans, enhancing emergency response, securing funding, increasing public engagement, and improving internal coordination. Maintaining and building upon these efforts will be crucial to continued success in hazard mitigation.

Chapter 7:
Adoption and Assurances

7.1 Plan Adoption

In accordance with the requirements of the Disaster Mitigation Act of 2000 (DMA 2000), the City of Owasso will formally adopt this Hazard Mitigation Plan (HMP) through an official resolution by the City Council. The adoption process represents a critical milestone, affirming the City's dedication to proactively addressing natural hazard risks and enhancing community resilience over the long term. The formal adoption signifies the City's commitment to integrating hazard mitigation principles into its decision-making framework and policy development.

This plan adoption will occur following conditional approval by both the State of Oklahoma and the Federal Emergency Management Agency (FEMA). Upon receiving such approval, the Owasso City Council will review and vote to adopt the final version of the plan. A copy of the official adoption resolution or ordinance will be included in the final plan submission to FEMA. This documented adoption is necessary to maintain eligibility for federal mitigation funding and reflects compliance with DMA 2000 requirements.

By adopting this plan, the City formally acknowledges that it:

- Actively participated in the multi-jurisdictional, stakeholder-driven planning process to develop this comprehensive mitigation strategy.
- Understands and supports the mitigation goals, objectives, and prioritized actions identified in the plan to reduce the risks posed by natural hazards.
- Commits to implementing the mitigation strategies and projects outlined within the plan, contingent upon the availability of funding and resources.
- Intends to integrate relevant elements of this plan into other key planning documents and operational policies, including the City's Comprehensive Plan, Capital Improvements Program, Emergency Operations Plan, and zoning and land use regulations.
- Will establish ongoing mechanisms to monitor, maintain, and update the plan to reflect new data, changing conditions, and lessons learned from hazard events or mitigation project outcomes.

The adoption step is a public declaration of the City's dedication to hazard mitigation and provides a framework for coordinated action across municipal departments, regional partners, and the community at large.

7.2 Assurances

The City of Owasso provides the following assurances to the Federal Emergency Management Agency (FEMA) and the State of Oklahoma as part of its commitment to the Hazard Mitigation Plan:

- **Legal and Regulatory Compliance:** The City will adhere to all applicable federal, state, and local laws, regulations, and guidelines governing hazard mitigation planning and project implementation. This includes compliance with environmental review processes, procurement rules, and civil rights requirements related to federally funded activities.

- **Open and Inclusive Public Participation:** The City is committed to maintaining an open, transparent, and inclusive planning process throughout the lifecycle of this plan. This includes actively engaging diverse community members, stakeholders, and partner organizations during updates, reviews, and project development to ensure broad input and representation.
- **Regional and State Coordination:** Recognizing the interconnected nature of hazard risks and mitigation efforts, the City will coordinate closely with neighboring jurisdictions, regional planning organizations, and state agencies. This collaboration will help ensure consistency, avoid duplication, leverage resources, and enhance collective resilience across the region.
- **Implementation Monitoring and Evaluation:** The City will establish procedures to regularly track the progress of mitigation actions, evaluate their effectiveness in reducing hazard vulnerabilities, and document successes and challenges. This monitoring process will inform future plan updates and resource allocation decisions.
- **Plan Maintenance and Updates:** The City commits to submitting plan updates on the federally mandated five-year cycle or as otherwise directed by FEMA guidance. Updates will reflect changes in local hazard exposure, vulnerabilities, capabilities, and community priorities, ensuring the plan remains current and actionable.
- **Pursuit of Funding Opportunities:** The City will actively seek available federal, state, and local funding sources to support the implementation of mitigation projects identified in this plan. This includes grant applications, partnerships, and innovative financing strategies to maximize resource availability.

These assurances affirm the City of Owasso's intention to fulfill all responsibilities outlined in this Hazard Mitigation Plan and to uphold the standards required by FEMA and the State of Oklahoma. They serve as a formal commitment to ongoing hazard mitigation, risk reduction, and community resilience-building efforts, thereby helping to protect lives, property, and critical infrastructure from future disaster impacts.

7.3 Plan Adoption & Concurrent Resolution Process

This Hazard Mitigation Plan will be formally adopted by both the **Owasso City Council** and the **Owasso Public Schools Board of Education**. Adoption by each governing body establishes the plan as official policy and demonstrates commitment to implementation.

To ensure the plan maintains a single five-year FEMA approval cycle, both entities will:

1. Adopt separate resolutions (one by City Council, one by the School Board) affirming the plan.
2. Submit both resolutions together to the Oklahoma Water Resources Board (OWRB) / FEMA Region VI for final approval.
3. The plan's expiration date will be the same for both the City and Schools, avoiding staggered cycles or conflicting update requirements.

This concurrent adoption process streamlines future updates, maintains consistency in hazard mitigation strategy, and ensures both the City and Schools remain eligible for FEMA Hazard Mitigation Assistance (HMA) funding under the same plan cycle.

Plan Adoption

This Hazard Mitigation Plan will be adopted in accordance with FEMA's Approval Pending Adoption (APA) policy. Following FEMA Region VI and Oklahoma Department of Emergency Management (OEM) review, the plan will be issued APA.

The City of Owasso City Council and the Owasso Public Schools (OPS) Board of Education will then adopt the plan via resolution. Once adoption resolutions are submitted to FEMA and OEM, the plan will receive official approval and become effective for both jurisdictions.

Adoption by both governing bodies ensures:

- The plan is recognized as an official guiding document for hazard mitigation decisions.
- The City and OPS remain eligible for FEMA Hazard Mitigation Assistance (HMA) programs.
- The plan's strategies and actions are formally integrated into the Comprehensive Plan, Capital Improvement Program (CIP), zoning ordinances, and OPS facility/capital planning documents.

Note

This plan includes a draft resolution for adoption by the Owasso City Council. The final adoption will take place only after the plan receives conditional approval from the State of Oklahoma and FEMA. Following formal adoption, the signed resolution will be incorporated into the final plan submission to FEMA to complete the approval process. This step ensures that the City remains eligible for federal mitigation funding and that the plan serves as a living document guiding Owasso's hazard mitigation activities for years to come.

City of Owasso Resolution No. [XXXX]

A RESOLUTION ADOPTING THE CITY OF OWASSO HAZARD MITIGATION PLAN

WHEREAS, the City of Owasso recognizes the threat that natural and human-caused hazards pose to people, property, and the community as a whole; and

WHEREAS, the development and maintenance of a hazard mitigation plan will make the City eligible to receive federal hazard mitigation assistance funding; and

WHEREAS, the City of Owasso has prepared a multi-jurisdictional hazard mitigation plan in cooperation with Owasso Public Schools, in accordance with the Disaster Mitigation Act of 2000 and guidance from the Federal Emergency Management Agency (FEMA); and

WHEREAS, the plan identifies mitigation goals and actions to reduce future risk from hazards and will serve as a guide for decision-makers; and

WHEREAS, adoption by the City Council demonstrates the City's commitment to mitigation and implementation of the plan's priorities;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council of Owasso, Oklahoma:

1. The **Owasso Hazard Mitigation Plan** is hereby adopted as an official plan of the City.
2. The City Council directs all relevant departments to pursue the actions identified in the plan, subject to available funding.
3. The City Clerk is authorized to forward this resolution, together with the companion resolution adopted by the Owasso Public Schools Board of Education, to the Oklahoma Water Resources Board (OWRB) and FEMA Region VI for final approval.

ADOPTED this ___ day of _____, 2025.

Mayor, City of Owasso

ATTEST:

City Clerk

Owasso Public Schools Resolution No. [XXXX]

A RESOLUTION ADOPTING THE HAZARD MITIGATION PLAN FOR OWASSO PUBLIC SCHOOLS

WHEREAS, Owasso Public Schools recognizes the threat that natural and human-caused hazards pose to students, staff, property, and educational continuity; and

WHEREAS, the development and maintenance of a hazard mitigation plan will make the district eligible to receive federal hazard mitigation assistance funding; and

WHEREAS, Owasso Public Schools has participated in the preparation of a multi-jurisdictional hazard mitigation plan in cooperation with the City of Owasso, in accordance with the Disaster Mitigation Act of 2000 and FEMA requirements; and

WHEREAS, the plan identifies mitigation goals and actions to reduce future risk from hazards and will serve as a guide for school safety, facility planning, and emergency management decisions; and

WHEREAS, adoption by the Board of Education demonstrates the District's commitment to mitigation and implementation of the plan's priorities;

NOW, THEREFORE, BE IT RESOLVED by the Owasso Board of Education:

1. The **Owasso Hazard Mitigation Plan** is hereby adopted as an official plan of the District.
2. The Board directs the Superintendent and designated staff to pursue the actions identified in the plan, subject to available funding.
3. The Board Clerk is authorized to forward this resolution, together with the companion resolution adopted by the Owasso City Council, to the Oklahoma Water Resources Board (OWRB) and FEMA Region VI for final approval.

ADOPTED this ___ day of _____, 2025.

President, Owasso Board of Education

ATTEST:

Board Clerk

Appendix 1:
HMP Critical Facilities

Owasso Critical Facilities Overview

1. City Hall

- **Location:** 201 South Main Street
- **Importance:** Integral to operational mission
- **Vulnerabilities:** HVAC units on roof susceptible to high winds and hail; lightning strikes and electrical surges via utility lines; structural risks from tornadoes and earthquakes affecting building, contents, and occupants.
- **Details:**
    - Year Built: 2013
    - Stories: 2
    - Construction: Non-Combustible
    - Size: 27,000 sq. ft.
    - Building Value: $5,453,239
    - Contents Value: $1,141,543

2. Communications Tower

- **Location:** 9540 North 121st East Avenue
- **Importance:** Essential for operations and communications
- **Vulnerabilities:** HVAC units at risk from weather; lightning strikes and utility line surges; structural damage risk from tornadoes and earthquakes.
- **Details:**
    - Year Built: Unknown
    - Stories: 1
    - Construction: Metal
    - Size: 800 sq. ft.
    - Estimated Value (including contents): $3,140,022

3. Animal Shelter

- **Location:** 500 South Main Street
- **Importance:** Key to operational mission
- **Vulnerabilities:** HVAC units exposed to wind, hail, and lightning; structural risks from tornadoes and earthquakes.
- **Details:**
    - Year Built: 1999
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 6,000 sq. ft.
    - Building Value: $221,835

- Contents Value: $52,030

4. Community Center

- **Location:** 301 South Center
- **Importance:** Central operational facility
- **Vulnerabilities:** Roof HVAC units vulnerable to severe weather; risk of damage from lightning, tornadoes, earthquakes.
- **Details:**
  - Year Built: 1980
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 9,800 sq. ft.
  - Building Value: $3,415,523
  - Contents Value: $319,986

5. Fire Station #1

- **Location:** 8901 North Garnett Road
- **Importance:** Critical emergency operations
- **Vulnerabilities:** Roof HVAC units vulnerable to weather and lightning; structural risks from tornadoes and earthquakes.
- **Details:**
  - Year Built: 1997
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 10,000 sq. ft.
  - Building Value: $1,682,169
  - Contents Value: $323,628

6. Fire Station #2 & Emergency Operations Center

- **Location:** 207 South Cedar
- **Importance:** Emergency operations hub
- **Vulnerabilities:** Weather and lightning risks to HVAC; tornado and earthquake structural risks.
- **Details:**
  - Year Built: 1973 (Refurbished 2024)
  - Stories: 2
  - Construction: Non-Combustible
  - Size: 15,000 sq. ft.
  - Building Value: $2,236,754
  - Contents Value: $319,986

7. Fire Station #3

- **Location:** 9990 North 145th East Avenue
- **Importance:** Emergency response
- **Vulnerabilities:** Same as above with weather, lightning, tornado, earthquake risks.

- **Details:**
  - Year Built: 2008
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 9,900 sq. ft.
  - Building Value: $2,422,169
  - Contents Value: $377,219

8. Fire Station #4 (6 buildings)

- **Location:** 11933 East 116th Street North
- **Importance:** Emergency services
- **Vulnerabilities:** Similar risks to HVAC and structural integrity from weather and seismic events.
- **Details:**
  - Year Built: 2019
  - Stories: 1
  - Construction: Non-Combustible
  - Size: Unknown
  - Building Value: $14,399,525
  - Contents Value: $306,030

9. Golf Course Clubhouse

- **Location:** 10105 Larkin Bailey Boulevard
- **Importance:** Operational mission related
- **Vulnerabilities:** Weather and lightning impacts on HVAC and structure; tornado and earthquake risks.
- **Details:**
  - Year Built: 2000
  - Stories: 1
  - Construction: Frame
  - Size: 4,500 sq. ft.
  - Building Value: $1,121,816
  - Contents Value: $232,055

10. Golf Course Maintenance Building

- **Location:** 10320 East 86th Street North
- **Importance:** Operational mission
- **Vulnerabilities:** Same weather, lightning, tornado, and earthquake risks.
- **Details:**
  - Year Built: 1998
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 5,600 sq. ft.
  - Building Value: $230,708
  - Contents Value: $208,121

11. Historical Museum

- **Location:** 26 South Main Street
- **Importance:** Operational mission
- **Vulnerabilities:** HVAC and structural vulnerabilities similar to other facilities; tornado and earthquake risks.
- **Details:**
  - Year Built: 1928
  - Stories: 2
  - Construction: Joisted Masonry
  - Size: 4,000 sq. ft.
  - Building Value: $281,351
  - Contents Value: $20,812

12. Parks Department Office

- **Location:** 9902 North 145th East Avenue
- **Importance:** Operational mission
- **Vulnerabilities:** HVAC exposed to weather and lightning; structural risks from tornadoes and earthquakes.
- **Details:**
  - Year Built: Unknown
  - Stories: 1
  - Construction: Frame
  - Size: Unknown
  - Building Value: $127,554
  - Contents Value: Unknown

13. Police Station

- **Location:** 111 North Main Street
- **Importance:** Critical for public safety operations
- **Vulnerabilities:** Not specified but HVAC and structural risks inferred as above.
- **Details:**
  - Year Built: 2001
  - Stories: 2
  - Construction: Non-Combustible
  - Size: 30,000 sq. ft.
  - Building Value: $8,930,100
  - Contents Value: $1,604,107

14. Public Works Administration Building (8 buildings)

- **Location:** 301 West 2nd Avenue
- **Importance:** Supports operational functions
- **Vulnerabilities:** Weather and lightning risks to HVAC; structural risk from tornadoes and earthquakes.
- **Details:**
  - Year Built: 1999–2018
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 12,630 sq. ft.
  - Building Value: $1,471,275

- Contents Value: $405,420

15. Public Works Recycle Facility (5 buildings)

- **Location:** 499 South Main Street
- **Importance:** Operational mission
- **Vulnerabilities:** Similar weather and seismic risks.
- **Details:**
  - Year Built: 2000–2011
  - Stories: 1
  - Construction: Joisted Masonry
  - Size: 5,300 sq. ft.
  - Building Value: $504,876
  - Contents Value: $59,103

16. Public Works Waste Water Treatment Plant (7 buildings)

- **Location:** 600 South Main
- **Importance:** Critical infrastructure
- **Vulnerabilities:** HVAC and equipment vulnerable to weather, lightning, tornadoes, earthquakes; potential for damage to pumps and effluent discharge risk.
- **Details:**
  - Year Built: 1987–2011
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 19,047 sq. ft.
  - Building Value: $7,650,087
  - Contents Value: $5,705,265

17. Facility and Fleet Maintenance Building

- **Location:** 452 South Main Street
- **Importance:** Supports city operations
- **Vulnerabilities:** HVAC and structural risks from weather and seismic events.
- **Details:**
  - Year Built: 2003
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 6,000 sq. ft.
  - Building Value: $499,128
  - Contents Value: $420,393

18. Old Central Building

- **Location:** 109 North Birch
- **Importance:** Hosts court and City Council meetings, essential operational facility
- **Vulnerabilities:** HVAC units and structure vulnerable to weather and seismic events.
- **Details:**

- Year Built: 2002
- Stories: 1
- Construction: Joisted Masonry
- Size: 25,530 sq. ft.
- Building Value: $2,579,488
- Contents Value: $54,528

19. Key Lift Stations and Utility Infrastructure

- **Lift Stations:** (117th Street, Brookfield, Coffee Creek, Santa Fe, Relief Station, Service Road) – All critical for wastewater management, vulnerable to earthquakes (pipe rupture), flooding (equipment damage, effluent discharge). Values range from ~$106,000 to $1,454,826 depending on station and year built.
- **Control Valves:** (12-inch and 16-inch valves) – Vulnerable to earthquake vibration, valued at $50,000 and $75,000 respectively.
- **Water Booster Pump Station:** Built 2000, valued at $88,305; vulnerable to earthquake and tornado damage.
- **Water Towers:**
  - Ram Tower (1965) – 2 million gallon capacity, valued at $1,109,171
  - Bailey Tower (2007) – 2 million gallon capacity, valued at $2,254,945
    Vulnerabilities include earthquake vibrations and tornado strikes.

20. Owasso Public Schools – Education Service Center

- **Location:** 1501 North Ash
- **Importance:** Integral part of community operations
- **Vulnerabilities:** Roof HVAC units and equipment vulnerable to high winds, hail, lightning strikes, tornadoes, and earthquakes.
- **Details**
  - **Year Built:** 2020
  - **Stories:** 2
  - **Type of Construction:** Non-Combustible
  - **Square Feet:** 22,180
  - **Estimated Building Value:** $6,600,000
  - **Estimated Contents Value:** $1,000,000

21. Owasso Public Schools – High School East Campus

- **Location:** 12901 East 86th Street North
- **Criticality:** Integral to the district's educational mission and operations
- **Vulnerabilities:**
  - Roof HVAC units susceptible to high winds, hail damage
  - Risk from lightning strikes or surges traveling through utility lines
  - Tornadoes and earthquakes could cause structural damage impacting the building, contents, and occupants
- **Building Details:**
  - Year Built: 1974
  - Stories: 2
  - Construction: Non-Combustible
  - Size: 300,000 sq. ft.

    - Estimated Building Value: $110,000,000
    - Estimated Contents Value: $6,000,000
- **Grade Levels:** 9–12
- **Enrollment (2023–2024):** 1,608 students

22. Owasso Public Schools – High School West Campus

- **Location:** 8800 North 129th East Avenue
- **Criticality:** Supports district's educational mission
- **Vulnerabilities:** Similar to East Campus, including rooftop HVAC and electrical vulnerabilities, and tornado and earthquake risks
- **Building Details:**
    - Year Built: 1994
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 146,000 sq. ft.
    - Estimated Building Value: $44,000,000
    - Estimated Contents Value: $2,500,000
- **Grade Levels:** 9–12
- **Enrollment (2023–2024):** 1,462 students

23. Owasso Public Schools – High School Ram Academy

- **Location:** 202 East Broadway
- **Criticality:** Integral for specialized education programs
- **Vulnerabilities:** Rooftop HVAC and utility line risks, tornado and earthquake hazards affecting building and contents
- **Building Details:**
    - Year Built: 1956
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 47,195 sq. ft.
    - Estimated Building Value: $14,000,000
    - Estimated Contents Value: $1,000,000
- **Grade Levels:** 9–12
- **Enrollment (2023–2024):** 77 students

24. Owasso Public Schools – Eighth Grade Center

- **Location:** 13901 East 86th Street North
- **Criticality:** Supports middle school education, essential to district mission
- **Vulnerabilities:** Similar rooftop and structural risks as other schools
- **Building Details:**
    - Year Built: 1981
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 97,964 sq. ft.
    - Estimated Building Value: $32,000,000

    - Estimated Contents Value: $2,000,000
- **Grade Levels:** 8
- **Enrollment (2023–2024):** 771 students

25. Owasso Public Schools – Seventh Grade Center

- **Location:** 1400 North Main
- **Criticality:** Key facility for seventh grade education
- **Vulnerabilities:** Rooftop HVAC exposed to weather extremes; lightning and seismic risks
- **Building Details:**
    - Year Built: 1964
    - Stories: 2
    - Construction: Non-Combustible
    - Size: 135,000 sq. ft.
    - Estimated Building Value: $41,000,000
    - Estimated Contents Value: $2,000,000
- **Grade Levels:** 7
- **Enrollment (2023–2024):** 781 students

26. Owasso Public Schools – Sixth Grade Center

- **Location:** 8101 North 129th East Avenue
- **Criticality:** Supports sixth grade education
- **Vulnerabilities:** Vulnerable rooftop HVAC; lightning and structural risks from tornadoes and earthquakes
- **Building Details:**
    - Year Built: 1997
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 135,000 sq. ft.
    - Estimated Building Value: $41,000,000
    - Estimated Contents Value: $2,000,000
- **Grade Levels:** 6
- **Enrollment (2023–2024):** 728 students

27. Owasso Public Schools – Transportation and Physical Plant Building

- **Location:** 501 East 2nd
- **Criticality:** Essential for transportation logistics and facility maintenance
- **Vulnerabilities:** HVAC and structural risks related to weather and seismic hazards
- **Building Details:**
    - Year Built: 1977
    - Stories: 1
    - Construction: Non-Combustible
    - Size: 40,000 sq. ft.
    - Estimated Building Value: $12,000,000
    - Estimated Contents Value: $3,000,000

Owasso Public Schools – Elementary Schools

1. Ator Elementary School

- **Location:** 1500 North Ash
- **Criticality:** Core early education facility
- **Vulnerabilities:** HVAC rooftop units exposed; lightning and severe weather risks; structural impact potential from tornadoes and earthquakes
- **Building Details:**
  - Year Built: 1968
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 58,000 sq. ft.
  - Estimated Building Value: $19,000,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 382 students

2. Bailey Elementary School

- **Location:** 10221 East 96th Street North
- **Criticality:** Integral part of district education
- **Vulnerabilities:** Standard rooftop and electrical risks plus tornado and earthquake damage potential
- **Building Details:**
  - Year Built: 1993
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 65,184 sq. ft.
  - Estimated Building Value: $19,500,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 476 students

3. Barnes Elementary School

- **Location:** 7801 East 76th Street North
- **Criticality:** Key elementary education facility
- **Vulnerabilities:** Vulnerabilities as above for HVAC, electrical, and structural hazards
- **Building Details:**
  - Year Built: 2004
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 92,318 sq. ft.
  - Estimated Building Value: $29,600,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 500 students

4. Pamela Hodson Elementary School

- **Location:** 14500 East 86th Street North
- **Criticality:** Essential elementary education
- **Vulnerabilities:** HVAC and electrical systems exposed to weather hazards; tornado and earthquake risks
- **Building Details:**
  - Year Built: 1989
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 85,771 sq. ft.
  - Estimated Building Value: $25,700,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 541 students

5. Mills Elementary School

- **Location:** 8200 North 124th East Avenue
- **Criticality:** Elementary education mission-critical
- **Vulnerabilities:** Similar rooftop and structural vulnerabilities as others
- **Building Details:**
  - Year Built: 1978
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 60,636 sq. ft.
  - Estimated Building Value: $19,400,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 480 students

6. Morrow Elementary School

- **Location:** 12301 North 132nd East Avenue
- **Criticality:** Core elementary education facility
- **Vulnerabilities:** HVAC, lightning, tornado, and earthquake related risks
- **Building Details:**
  - Year Built: 2019
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 99,000 sq. ft.
  - Estimated Building Value: $29,700,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 638 students

7. Northeast Elementary School

- **Location:** 13650 East 103rd Street North

- **Criticality:** Elementary education facility
- **Vulnerabilities:** Rooftop HVAC and electrical systems exposed to weather extremes, structural risks from tornadoes and earthquakes
- **Building Details:**
  - Year Built: 2000
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 71,000 sq. ft.
  - Estimated Building Value: $21,500,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 496 students

8. Hayward Smith Elementary School

- **Location:** 12223 East 91st Street North
- **Criticality:** Elementary education facility
- **Vulnerabilities:** Same HVAC and structural risks as other schools
- **Building Details:**
  - Year Built: 1986
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 66,000 sq. ft.
  - Estimated Building Value: $19,800,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 409 students

9. Stone Canyon Elementary School

- **Location:** 7305 North 177th East Avenue
- **Criticality:** Elementary education facility
- **Vulnerabilities:** Rooftop HVAC exposed to severe weather, lightning, and seismic threats
- **Building Details:**
  - Year Built: 2008
  - Stories: 1
  - Construction: Non-Combustible
  - Size: 97,000 sq. ft.
  - Estimated Building Value: $29,000,000
  - Estimated Contents Value: $1,500,000
- **Grades:** Pre-K through 5
- **Enrollment:** 594 students

City Of Owasso Medical Facilities

1. Bailey Medical Center

- **Location:** 10502 North 110th East Avenue

- **Criticality:** Essential community medical provider
- **Vulnerabilities:** Roof and ground HVAC vulnerable to weather and hail damage; lightning strikes; tornado and earthquake risks to structure and contents
- **Building Details:**
  - Year Built: 2006
  - Stories: 3
  - Construction: Non-Combustible
  - Size: 133,000 sq. ft.
  - Estimated Values: Unavailable

2. Ascension St. John's Hospital Owasso

- **Location:** 12451 East 100th Street North
- **Criticality:** Critical medical facility for Owasso community
- **Vulnerabilities:** Roof and ground HVAC susceptible to high winds, hail, and lightning; tornado and earthquake structural risks
- **Building Details:**
  - Year Built: 2006
  - Stories: 4
  - Construction: Non-Combustible
  - Size: 116,000 sq. ft.
  - Estimated Building Value: $24,373,332.50
  - Estimated Contents Value: Undetermined

This comprehensive overview details the critical nature of educational and medical facilities within Owasso, highlighting their vulnerabilities to natural hazards and providing key structural and valuation data essential for emergency planning, risk mitigation, and resource allocation.

Appendix 2:
HMP Meetings and Minutes

City of Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Emergency Management Department
207 South Cedar
Owasso, Oklahoma
April 11, 2019
1:30 p.m.

AGENDA

1. Call to order
2. Introductions
3. Discussion on the need of a multi-hazard mitigation plan.
4. Discussion on the involvement of the jurisdictions participating in the plan.
5. Establishment of a committee to facilitate the update of the City of Owasso Multi-Jurisdictional Multi-Hazard Mitigation Plan and select a chairman.
6. Review the planning process. Discuss the required planning process for the plan update, prepare a general population hazards awareness survey and determine how to disseminate and collect the survey.
7. Summarize the information needed from the City of Owasso and Owasso Schools.
8. Set date and time for next meeting.
9. Adjourn.

Meeting #1 Minutes

Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Office of Emergency Management
207 S. Cedar, Owasso, OK

Minutes of the April 11, 2019 Meeting

1. The meeting was called to order at 1:30 p.m.

2. General introductions were made around the room. Those in attendance were:
Nick Boatman – Owasso Police
Larry White – Owasso Support Services Director
Kaitlyn Dillard – Press (Inside Owasso)
Travis Blundell – Owasso Public Works Assistant Director
Roger Stevens – Owasso Public Works Director
Brad Yokley – Owasso Public Schools
Kerwin Koerner – Owasso Public Schools
Art Haddaway – Owasso Reporter
Mark Stuckey – Owasso Fire/EMS
Ginger Williamson – Owasso Support Services Department
Dan Miller – Owasso Emergency Management Coordinator

3. Dan Miller discussed the need for the Owasso multi-hazard mitigation plan. He explained that the purpose was to understand the hazards that could affect the City and the Owasso Public Schools locations and for the City and Owasso Public Schools to be eligible for mitigation grant funds. Dan further explained that this committee will eventually hold a public meeting to discuss the need for the multi-hazard mitigation plan.

4. Dan explained that Owasso Public Schools was participating in the City hazard plan update to reap the benefit of participating in the City plan and not having to create an individual plan. There was discussion that the Owasso Public Schools currently has 9,646 students enrolled in classes.

5. The Owasso Hazard Mitigation Planning Committee was re-established and named Dan Miller, Owasso Emergency Management Coordinator, as Chairman of the Committee.

6. Dan stated he wanted to shorten the planning process. He needed everyone on the Committee to help create history from the past ten (10) years concerning lightning strikes, flooding events causing property damage, tornado events, hail damage, earthquakes, and any other events which had affected our City or schools.

7. Dan mentioned the Committee needed to identify particular types of events that could impact us in the future. He stated that the Committee needed to identify the City flood plains. The Committee needs to determine if the City allows building in the flood plains. What are the guidelines? Dwayne Henderson was identified as the Flood Plain Manager for the City of Owasso. Dan also mentioned the potential for damage if the dams at Oologah Lake or the lake at Stone Canyon Addition were to fail and release large volumes of water.

8. Dan discussed the need for a citizen hazard awareness survey due to the requirement for public involvement in this planning process. He felt this should be done on the internet and social media in order to reach more people. Dan said he would prepare a survey for the Committee to review at the next meeting.

9. The next meeting of the Owasso Hazard Mitigation Planning Committee was set for Tuesday afternoon, May 14, 2019, at 1:30 p.m. at the Owasso Emergency Management office.

10. The Committee meeting was adjourned at 2:00 p.m.

Respectfully submitted,

Ginger Williamson
City of Owasso
Support Services Department

OWASSO EMERGENCY MANAGEMENT

Topic: Owasso Hazard Mitigation Planning	Date: April 11, 2019
Host Agency: Owasso Emergency Management	Location: 207 S. Cedar Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. Nick Boatman	Police		NBoatman @ cityofowasso
2. Laura White	SS		lwhite@cityofowasso.com
3. Kaitlyn Dillard	Press (inside Owasso)	405-200-6177	Kaitie@merrillmediagroup.com
4. Travis Blundell	Public Works		tblundell@cityofowasso.com
5. Roger Stevens	Public Works	918-272-4959	rstevens@cityofowasso.com
6. Brad Yokley	Owasso Public School	918-272-8091	brad.yokley@owassops.org
7. Kerwin Koerner	Owasso Public Schools	918-272-8153	kerwin.koerner@owassops.org
8. Art Haddaway	Owasso Reporter	479-715-2022	art.haddaway@owassoreporter.com
9. Mark Stuckey	Owasso Fire/EMS	918-619-3717	mstuckey@cityofowasso.com
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City of Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Emergency Management Department
207 South Cedar
Owasso, Oklahoma
May 14, 2019
1:30 p.m.

AGENDA

1. Call to order
2. Introductions
3. Review and approve minutes from April 11, 2019 meeting.
4. Discussion about the various hazards affecting the various departments of the city of Owasso and Owasso Public Schools.
5. Discussion about the survey to be sent to the public concerning hazard threats to the City of Owasso and Owasso Public Schools and if any of the citizens have had any damage from any of the hazard threats.
6. Discuss Chapter 3 Hazard Identification and Risk Assessment
7. Set date and time for next meeting.
8. Adjourn.

Meeting #2 Minutes

Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Office of Emergency Management
207 S. Cedar, Owasso, OK

Minutes of the May 14, 2019 Meeting

1. The meeting was called to order at 1:35 p.m.

2. General introductions were made around the room because there were some new people in attendance. Those in attendance were:
Nick Boatman – Owasso Police
Travis Blundell – Owasso Public Works Assistant Director
Roger Stevens – Owasso Public Works Director
Brad Yokley – Owasso Public Schools
Kerwin Koerner – Owasso Public Schools
Art Haddaway – Owasso Reporter
Jon Wintle – Owasso Fire/EMS
Jamie Ott - Broken Arrow Emergency Management
Ginger Williamson – Owasso Support Services Department
Dan Miller – Owasso Emergency Management Coordinator

3. The minutes from the meeting held on April 11, 2019, were discussed and approved as submitted.

4. Dan Miller led discussion about the Owasso community's preparation for various hazardous threats. He asked if there were any City buildings located in flood plains. There was discussion that the City parks might be located in flood plains. Roger Stevens stated he would provide a listing of area flood plains. The Owasso Public Schools representatives stated they would check to see if any school buildings were located in flood plains.

5. Dan asked about lightning detectors that might be installed around the City. It was determined that there were no lightning detectors had been installed on school buildings or City buildings in Owasso. Dan stated he would check to see if any lightning detectors had been installed in the City parks.

6. Dan presented a sample citizen hazard awareness survey to be sent out to the public through social media. He asked for review and discussion about the survey. It was suggested by Jamie Ott that Items 1 and 2 on the survey should be combined. They both addressed issues concerning any historic damage to the citizen's current residence due to a disaster. It was also suggested by Mr. Ott that the item requesting a designation of three (3) hazards of most concern to a citizen's neighborhood should be separated from the request for a listing of any additional hazards that present a threat to that neighborhood. See attached sample survey.

7. Dan handed out the Chapter 3 Hazard Identification and Risk Assessment portion of the Owasso Proposed Hazard Mitigation Plan document for consideration and discussion. He asked if maps were available from City staff showing flood plains and the 100-year

flood hazard areas for the Owasso areas. He also asked if someone in the City has a copy of the Owasso Wildfire Urban Interface map which was referenced in the Risk Assessment document. He requested that all available maps be brought to the next Committee meeting. He also asked that all information requested in the Chapter 3 document be brought to the next meeting. He said to go back for the last ten (10) years concerning events to be listed.

8. Dan asked if there were any mobile home communities within the Owasso city limits. There was discussion that there were two (2) of these communities: German Corner and Vines Properties.

9. Jon Wintle mentioned that the Owasso Fire Protection area is different that than the Owasso City limits. Due to the fact that the Fire Protection area extends into Rogers County, Jamie Ott suggested that the Rogers County Emergency Management representatives should be involved in our hazard mitigation process.

10. There was discussion about saferooms for Owasso Public Schools. The School District representatives mentioned that the schools have to meet ICC standards and that all new schools are being equipped with saferooms. Jamie Ott suggested that the school district officials apply for grants for saferooms from the State of Oklahoma. It was also suggested that the schools should apply for State grants for installation of impact resistant windows.

11. Dan asked if there had been any plans or discussions between the City staff and school officials concerning the need to move people before or after a hazardous event, such as those in nursing homes. The school representatives mentioned that there had been discussion about the use of school buses to move those people from nursing homes. However, there was not a backup plan if school was in session during a hazardous event and the buses were needed for the children. Dan mentioned this should be addressed in this new plan.

12. The Owasso Public Schools representatives mentioned that the school system was in the process of changing its entire communication system.

13 The next meeting of the Owasso Hazard Mitigation Planning Committee was set for Tuesday afternoon, June 11, 2019, at 1:30 p.m. at the Owasso Emergency Management office.

14. The Committee meeting was adjourned at 2:10 p.m.

Respectfully submitted,

Ginger Williamson
City of Owasso
Support Services Department

OWASSO EMERGENCY MANAGEMENT

Topic: Owasso Hazard Mitigation Meeting	Date: May 14, 2019
Host Agency: Owasso Emergency Management	Location: 207 S. Cedar Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. Ginger Williamson	CITY OF OWASSO	918-272-3459	gwilliamson@cityofowasso.com
2. Nick Boatman	Owasso PD		Nboatman@c.tyofowasso.com
3. JON WINTLE	OWASSO FIRE	918-636-4237	JWINTLE@CITYOFOWASSO.COM
4. Travis Blundell	City of Owasso	918-272-4959	tblundell@cityofowasso.com
5. Roger Stevens	City of Owasso	918-272-4959	rstevens@cityofowasso.com
6. Art Haddaway	Owasso Reporter	479-715-2022	art.haddaway@owassoreporter.com
7. Jamie Ott	Broken Arrow Emergency Management	918-451-8309	jott@brokenarrowok.gov
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City of Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Emergency Management Department
207 South Cedar
Owasso, Oklahoma
June 11, 2019
1:30 p.m.

AGENDA

1. Call to order
2. Introductions
3. Review and approve minutes from May 14, 2019 meeting.
4. Discussion about the recent flood and how it affected the city of Owasso and Owasso Public Schools.
5. Discussion about the survey to be sent to the public concerning hazard threats to the City of Owasso and Owasso Public Schools.
6. Discuss current Hazard Mitigation Plan revision.
7. Set date and time for next meeting.
8. Adjourn.

Meeting #3 Minutes

Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Office of Emergency Management
207 S. Cedar, Owasso, OK

Minutes of the June 11, 2019, Meeting

1. The meeting was called to order at 1:35 p.m.

2. Those in attendance were:
Nick Boatman – Owasso Police
Travis Blundell – Owasso Public Works Assistant Director
Roger Stevens – Owasso Public Works Director
Brad Yokley – Owasso Public Schools
David Hurst – Owasso Fire/EMS Chief
Larry White – Owasso Support Services Director
Brian Dempster – Owasso Community Development Director
Ginger Williamson – Owasso Support Services Department
Dan Miller – Owasso Emergency Management Coordinator

3. The minutes from the meeting held on May 14, 2019, were discussed and approved as submitted.

4. Dan Miller led discussion about the recent flood events in the Owasso area.
   - Roger Stevens mentioned that the City's GIS System needed to be more user friendly for the public. There should be a link with one click for flood plains, etc.
   - Travis Blundell stated there were problems about calls coming in to Dispatch concerning locations of shelters. There was only one in this area which was Crosstown Church at Admiral Place and Sheridan Road in Tulsa.
   - Roger said there was a need for one central person for public communications for emergency events. He said that person needed to be tied into social media.
   - Brad Yokley stated that the Owasso Public School buildings were okay during the floods. However, they had problems with the bus routes. Some routes were flooded and had to be changed.
   - Roger suggested installation of swing arm gates for road closures. Then someone other than Public Works personnel could activate the closure of those roads when they are flooded. Roger mentioned, however, that such gates would draw attention to flood areas and could cause real estate value issues. Also, there was discussion that a gate could be a hazard for a motorcyclist.
   - There was discussion by Nick Boatman and Roger Stevens about the severe flooding problem in Country Estates located north of 116th Street North between Garnett Road and Sheridan Road. The general consensus was that the storm water drainage needed to be redesigned, and funding would be needed.
   - There was also discussion that the bridge needed to be replaced at Centennial Park on 86th Street North.

5. Dan stated he determined that the City had a Survey Monkey account. He said that Teresa Willson, IT Director for the City of Owasso, would send out the Citizen Hazard Awareness survey to the public once it is ready for distribution. He also mentioned that he made one change to the survey as requested during the last meeting. He combined Items 1 and 2 on the original survey form.

6. Dan stated that the revision of the Hazard Mitigation Plan was almost completed. He said he expected to hold a Public Meeting in July to discuss the Plan. He was waiting on updated items from the National Weather Service concerning the flooding in this area. This would include statistics about tornados. He pointed out there was a tornado this spring at 126th East Avenue and North Memorial Drive in Owasso.

7. Dan mentioned that the water levels in the rivers in the Tulsa area were coming down. However, Bird Creek had a minor spike in the water levels in the early part of the week of June 10. Reports of flood activities in this area were received from the City departments and forwarded to Chris Garrett, Assistant City Manager for the City of Owasso, during the first week of June.

8. Dan mentioned that FEMA had contacted him to ask if there were people in our area needing assistance. He said to the meeting group that there were issues about reimbursement to the City for overtime payments, equipment purchased, fuel purchased, boat rental, etc. during the recent flood events. Reimbursement for these items would be determined by FEMA at a later date.

9. There was discussion about the location of rain gauges within the City which were monitored by City personnel. Larry White suggested tying in all of the gauges to WIFI. The locations are:
   - North of the Owasso High School football field near 129th East Avenue,
   - In the Ator Addition area,
   - Close to Country Estates Addition,
   - At the top of the Emergency Operations Center Building.

10. The next meeting of the Owasso Hazard Mitigation Planning Committee was set for Tuesday afternoon, July 9, 2019, at 1:30 p.m. at the Owasso Emergency Management office.

11. The meeting adjourned at 2:05 p.m.

Respectfully submitted,

Ginger Williamson
City of Owasso
Support Services Department

OWASSO EMERGENCY MANAGEMENT

Topic: Hazard Mitigation Meeting	Date: June 11, 2019
Host Agency: Owasso Emergency Management	Location: Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. DAN Miller	OWASSO EM	9182725848	DMiller@cityofowasso.
2. Ginger Williamson	Owasso Supp Svcs	918 272 3459	gwilliamson@cityofowasso.com
3. Brian Dempster	Owasso CD	918-376-1544	bdempster@cityofowasso.com
4. harry White	Owasso	918-376-1505	lwhite@cityofowasso.com
5. Nick Boatman	Police	1580	nboatman@city
6. Roger Stevens	P.W. - Owasso	918-272-4959	rstevens@cityofowasso.com
7. David Hurst	OFD	918-272-5253	dhurst@cityofowasso.com
8. Travis Blundell	Owasso Public Works	918-272-4959	tblundell@cityofowasso.com
9. Brad Yokley	Owasso Public Schools	918-899-5246	brad.yokley@owassops.org
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Meeting #4 Minutes

Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Office of Emergency Management
207 S. Cedar, Owasso, OK

Minutes of the July 16, 2019, Meeting

1. The meeting was called to order at 1:35 p.m.

2. Those in attendance were:
Travis Blundell – Owasso Public Works Assistant Director
Kerwin Koerner – Owasso Public Schools
Brad Yokley – Owasso Public Schools
Jon Wintle – Owasso Fire Deputy Chief
Larry White – Owasso Support Services Director
Ginger Williamson – Owasso Support Services Department
Dan Miller – Owasso Emergency Management Coordinator
Ryan Merrill – InsideOwasso.com (Part of Merrill Media Group)

3. The minutes from the meeting held on June 11, 2019, were discussed and approved as submitted.

4. Dan Miller led discussion concerning the Citizen Hazard Awareness survey which was put on Facebook, the City of Owasso website, and Next Door social media during the week of July 8 – 12. He said it would be available to the public for two weeks. After the Committee made a quick review of the survey, Jon Wintle mentioned that all houses built after 2010 or 2012 were required to have wall studs and trusses tied to the roofs to make the houses more weather resistant.

5. Dan mentioned he had distributed the proposed new Hazard Mitigation Plan to each of the Committee members for review. He requested that all members provide comments to him before the next Committee meeting. Brad Yokley and Kerwin Koerner from the Owasso Public School System requested further clarification concerning action points from the last plan and for this plan. Dan explained that items accomplished from the last plan should be provided to him for notation in this plan. He said that items which were not accomplished from the last plan would be included in the goals under the new plan. Dan mentioned that the goals for the new plan should be for the next five years.

6. The schedule for the new Hazard Mitigation Plan was discussed. Dan said he planned to schedule a public hearing for the plan after our next Committee meeting in late August. He explained that the public meeting would probably take place at a City Council meeting in September. He further explained that the new plan would then be sent to Oklahoma Emergency Management for approval. Following OEM approval, the new plan would go to FEMA for approval. He stated that once it was approved by all those groups, it would be submitted to the Owasso City Council for approval. Brad Yokley and Kerwin Koerner mentioned that the new plan would also need to be approved by the School Board of Owasso Public Schools at some point.

7. The next meeting of the Owasso Hazard Mitigation Planning Committee was set for Tuesday afternoon, August 20, 2019, at 1:30 p.m. at the Owasso Emergency Management office. Kerwin Koerner and Brad Yokley mentioned that Owasso Public Schools would start classes on Thursday, August 22, so they might not be able to attend on August 20. They said they would provide comments prior to the August 20 meeting.

8. The meeting adjourned at 2:00 p.m.

Respectfully submitted,

Ginger Williamson
City of Owasso
Support Services Department

OWASSO EMERGENCY MANAGEMENT

Topic: Owasso Hazard Mitigation Planning	Date: July 16, 2019
Host Agency: Owasso Emergency Management	Location: 207 S. Cedar Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. Dan Miller	Owasso EM	918 272 3828	DMILLER@CITYOFOWASSO.COM
2. Ginger Williamson	CITY OF OWASSO	918 272-3459	gwilliamson@cityofowasso.com
3. Lanby White	Owasso	918-272-3459	lwhite@cityofowasso.com
4. Kerwin Koerner	Owasso Public Schools	918-698-7715	kerwin.koerner@owassops.org
5. Brad Yokley	Owasso Public Schools	918-899-5246	brad.yokley@owassops.org
6. Travis Blundell	Public Works	918-272-4959	tblundell@cityofowasso.com
7. JON WINTCE	OWASSO FIRE	918-636-4236	JWINTCE@CITYOFOWASSO.COM
8. Ryan Memill	Inside Owasso.com	918-600-7858	ryan@memillmediagroup.com
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City of Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Emergency Management Department
207 South Cedar
Owasso, Oklahoma
August 20, 2019
1:30 p.m.

MEETING CANCELLED DUE TO LACK OF ATTENDANCE

AGENDA

1. Call to order
2. Introductions
3. Review and approve minutes from July 16, 2019.
4. Discussion about the final results of the survey.
5. Discuss final revision of the Hazard Mitigation Plan.
6. Set date and time for next meeting.
7. Adjourn.

OWASSO EMERGENCY MANAGEMENT

Topic: Hazard Mitigation meeting	Date: August 20, 2019
Host Agency: Owasso Emergency Management	Location: Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. DAN Miller	OWASSO EOM		
2. Ginger Williamson	CITY OF OWASSO	918 272-3459	gwilliamson@cityofowasso.com
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City of Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Emergency Management Department
207 South Cedar
Owasso, Oklahoma
September 24, 2019
1:30 p.m.

AGENDA

1. Call to order
2. Introductions
3. Review and approve minutes from July 16, 2019.
4. Discussion about the final results of the survey.
5. Discuss final revision of the Hazard Mitigation Plan.
6. Set date and time for next meeting. LAST MTG. COVID
7. Adjourn.

Meeting #5 Minutes

Owasso Hazard Mitigation Plan Update Meeting
City of Owasso Office of Emergency Management
207 S. Cedar, Owasso, OK

Minutes of the September 24, 2019, Meeting

1. The meeting was called to order at 1:40 p.m.

2. Those in attendance were:
Kerwin Koerner – Owasso Public Schools
Brad Yokley – Owasso Public Schools
Larry White – Owasso Support Services Director
Ginger Williamson – Owasso Support Services Department
Dan Miller – Owasso Emergency Management Coordinator

3. The minutes from the meeting held on July 16, 2019, were discussed and approved as submitted.

4. Dan Miller led discussion about the final results of the Citizen Hazard Awareness survey which was put on Facebook, the City of Owasso website, and Next Door social media during the week of July 8 – 12. He provided handouts showing the tabulations.

5. Kerwin Koerner and Brad Yokley led discussion about the Action Items submitted by Owasso Public Schools under the Hazard Mitigation Plan for Goal 5 (To enhance pre-disaster and preventions activities).
   - Kerwin explained that back-up generators were needed for all school sites, not just schools. This would include the administration buildings and the building which houses the Ram Academy. Kerwin and Brad discussed the generators in use at the City municipal buildings with Larry White.
   - There was discussion that installation of security cameras had been started but needed to be expanded at the school facilities.
   - It was mentioned that the building of safe structures needed to be continued through the district at all school sites.
   - Kerwin explained there was a need for installation of district-wide communication systems for dissemination of emergency information to the school sites. This communication would reach the students and parents simultaneously via software enhancement. He stated that some of the intercom systems in the district were very old and needed replacement. He mentioned that there was a need for new loud speakers for outdoor areas.
   - Kerwin mentioned that the school system needed to install disaster recovery systems for school servers, firewalls, and redundant internet connections. Installation of dry fire suppression systems in server rooms was also needed.

6. Dan stated that this was the last meeting of this Owasso Hazard Mitigation Planning Committee. He said the Plan was completed. He said he would schedule a public hearing for the Plan during a City Council meeting in October. He mentioned that the new Plan would then be sent to Oklahoma Emergency Management for approval. Following OEM approval, the new Plan would go to FEMA for approval. He stated that

once it was approved by all those groups, it would be submitted to the Owasso City Council for approval. Brad Yokley and Kerwin Koerner mentioned that the new Plan would also need to be approved by the School Board of Owasso Public Schools at some point.

7. The meeting adjourned at 2:15 p.m.

Respectfully submitted,

Ginger Williamson
City of Owasso
Support Services Department

OWASSO EMERGENCY MANAGEMENT

Topic: Hazard Mitigation Meeting	Date: 09/24/19
Host Agency: Owasso Emergency Management	Location: Owasso EOC

Name (Please Print)	Jurisdiction/Agency	Phone	E-mail Address
1. GINGER WILLIAMSON	CITY OF OWASSO/ SUPP SVCS	918-272-3459	gwilliamson@cityofowasso.com
2. Harry White	City of Owasso		
3. Kerwin Koerner	OPS	918-[redacted]928-4009	kerwin.koerner@owassoops.org
4. Brad Yokley	OPS	918-899-5246	brad.yokley@owassops.org
5. DAN Miller	Owasso EM	918 272-3828	DMILLER@CITYOFOWASSO.COM
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Lynch, Donald D.

From:	Lynch, Donald D.
Sent:	Friday, January 5, 2024 4:10 PM
To:	Atchison, Jeff; Beemer, Alexa; Blundell, Travis; Boatman, Nick; Dempster, Michele; Dempster, Brian; Dossett, JJ; Fowler, Jerry; Goldstein, Arami; Henderson, Dwayne; Hurst, David; Kramer, Wendy; Langford, Larry; Mount, Chelle; Neyman, Andrew; Novozinsky, Carly; Stevens, Julie; Stevens, Roger; Woodruff, Jason; Yancey, Dan
Cc:	Garrett, Chris; Lehr, Warren
Subject:	January 18 Hazard Mitigation Planning Team Meeting
Attachments:	January 18 2024 Planning Team Meeting Agenda.doc

This is a reminder that a meeting of the Hazard Mitigation Planning Team is scheduled for 1:30 PM on January 18, 2024 at Old Central. I have attached the meeting agenda for your use.

I have uploaded a copy of the 2014 version of the plan to O: All City/EOC Temp/ 2014 Hazard Mitigation Plan for your review.

I look forward to seeing you on the 18th!

Thanks for you participation in this project and Happy Weekend!

Respectfully,

Donald Lynch, M.P.A. C. E. M.
Emergency Management Specialist
City of Owasso
P.O. Box 180
Owasso, OK 74055
Office 918-272-3828
e-Mail: dlynch@cityofowasso.com

EMERGENCY MANAGEMENT
Public Safety-Public Trust

2/6/2024

2024 City of Owasso and Owasso Public Schools Hazard Mitigation Plan Update

WHY THIS PLAN IS IMPORTANT FOR OUR COMMUNITY

Mitigation is any action taken to reduce or eliminate long term risk to people and property from both natural and human - caused disasters.

According to FEMA, for every $1.00 spent towards pre - disaster mitigation efforts, we save $4.00 in post - disaster recovery actions.

Mitigation Is an Investment

- Mitigation is an investment to:
  - Prevent human injury and loss of life.
  - Protect community assets (structural/infrastructural, historic and cultural).
  - Reduce costs of disaster response and recovery.
  - Support what matters to your community.



FEMA

2/6/2024

COVERING THE BASES FOR GRANT FUNDING

This plan is a prerequisite from FEMA for mitigation grant funding. Additionally, items MUST be in the plan for eligibility for Federal Hazard Mitigation Assistance.

FEMA Funding Programs

Flood Mitigation Assistance Grant

Section 404 (HMGP) Grants

Section 406 (PA) Grants

Building Resilient Infrastructure and Communities Grants

Other Funding Sources

- CDBG
- General Revenue
- Transportation Project Funds

HAZARD MITIGATION MEETING

OWASSO
Real People • Real Character • Real Community

NAME	DEPARTMENT
Lori Lane	OSNI
Duane Henderson	PW
Wendy Kramer	CD
Alexa Beemer	CD
Brian Dempster	CD
Roger Stevens	PW

HAZARD MITIGATION MEETING

OWASSO
Real People • Real Character • Real Community

NAME	DEPARTMENT
Michelle Mount	IT
Andrew Neyman	IT
Carly Novozinsky	Finance
J. J. Dossett	Manag

HAZARD MITIGATION MEETING

OWASSO

Real People • Real Character • Real Community

NAME	DEPARTMENT
Marlc Knowlton	Owasso Public Schools
Brad Yokley	" " "
W Atchison	City of Owasso HR
Train Blundell	Public Works

EMERGENCY MANAGEMENT
Public Safety, Public Trust

P.O. Box 180
207 South Cedar Street
Owasso, OK 74055-0180
Telephone (918) 272-3828
Facsimile (918) 272-1685
www.cityofowasso.com/emergency management

HAZARD MITIGATION PLAN UPDATE
PLANNING TEAM MEETING AGENDA

February 8, 2024
1:30 PM
Old Central Auditorium
109 North Birch Street
Owasso, Oklahoma

1. Call to Order
2. Announcements
3. Introduction of Planning Team Members
4. Overview of the Planning Process
5. Review and Update to Jurisdiction Description
6. For the Next Meeting
7. Adjournment

Respectfully Submitted,

Donald D. Lynch

Donald D. Lynch
Emergency Management Specialist

City of Owasso and Owasso Public Schools
Hazard Mitigation Planning Team

Meeting Minutes

February 8, 2024 at 1:30 PM
Old Central Building Auditorium
109 North Birch Street
Owasso, Oklahoma 74055

The meeting was called to order at 1:30 PM by Don Lynch, Owasso Emergency Management Specialist.

There were no announcements.

Members in attendance were:

Jeff Atchison	Risk Manager- City of Owasso
Alexa Beemer	Planning Manager, City of Owasso
Travis Blundell	Asst Public Works Director, City of Owasso
Nick Boatman	Lieutenant, Owasso Police Department
Brian Dempster	Community Development Director, City of Owasso
J J Dossett	Assistant to the City Manager, City of Owasso
Jerry Fowler	Strong Neighborhoods Coordinator, City of Owasso
Arami Goldstein	Assistant Chief, Owasso Fire Department
David Hurst	Chief, Owasso Fire Department
Wendy Kramer	City Planner, City of Owasso
Donald Lynch	Emergency Management Specialist, City of Owasso
Michelle Mount	GIS Specialist, City of Owasso
Andrew Neyman	Information Technology Director, City of Owasso
Carly Novozinsky	Finance Director, City of Owasso
Julieann Stevens	City Clerk, City of Owasso
Roger Stevens	Public Works Director, City of Owasso
Jason Woodruff	Deputy Chief, Owasso Police Department
Dan Yancey	Chief, Owasso Police Department
Brad Yokley	Director of Operations, Owasso Public Schools

Lynch gave a PowerPoint presentation that provided an overview of the planning process. A copy of the "handouts" pages is attached.

Page 2

For their review, the group was given a copy of the current draft of the jurisdiction description that will be embedded in Chapter 1 of the plan. Lynch noted that the following items remained to be added:

- Household Monthly Income demographic
- Occupied and vacant housing units demographic
- Owned and rented housing units demographic
- Modes of transportation
- Child poverty rates demographic
- Seniors poverty rates demographic

Members were asked to submit any other items that would like to be included to Lynch via e-mail.

As a plenary group activity, members used the Hazards Summary Worksheet to identify which hazards can affect the community. Hazards identified were:

- Dam Failure
- Drought
- Earthquake
- Erosion
- Expansive Soils
- Extreme Cold
- Extreme Heat
- Flood
- Hail
- Landslide
- Lightning
- Severe Wind
- Severe Winter Weather
- Tornado
- Wildfire

Lynch requested the following details from Owasso Public Schools:

- Number of students on Individualized Education Plans
- Number of students of free/reduced price lunches
- Number of students with deployed military parents
- General building stock values
- Repetitive loss properties

Lynch informed the group that the current edition of the plan is available for viewing on the City website's Emergency Management homepage.

Page 3

'It was announced by Lynch that public meetings were scheduled for 1:30 PM and again at 6:00 PM on April 30, 2024 at Old Central and that a Survey was being drafted to garner public input into the process.

In preparation for the next meeting the group was tasked to:

- Provide Lynch with anything we need toad or revise on our jurisdiction description
- Be thinking about the hazards analysis in terms of the scope and consequences
- Determine what projects from the current edition of the plan need updated and any new projects that need added

The next meeting is scheduled for: March 21, 2024 at !:30 in the City Hall Community Room.

The meeting was adjourned at 2:45 PM.

Respectfully Submitted,

Donald D. Lynch

Hazard Mitigation Planning Team Meeting					
2/8/2024					
First Name	**Last Name**	**Organization**	**Organization 2**	**e-Mail**	
Jeff	Atchison	City of Owasso	Risk Manager	jatchison@cityofowasso.com	
Alexa	Beemer	City of Owasso	Planning Manager	abeemer@cityofowasso.com	
Travis	Blundell	City of Owasso	Assistant Public Works Director	Tblundell@cityofowasso.com	
Nick	Boatman	City of Owasso	Police Department	Nboatman@cityofowasso.com	
Margaret	Coates, PhD.	Owasso Public Schools	Superintendent of Schools	margaret.coats@owassops.org	
Paul	Croft	Owasso Public Schools	Director of Safety and Security	paul.croft@owassops.org	
Brian	Dempster	City of Owasso	Community Development Director	Bdempster@cityofowasso.com	
Michele	Dempster	City of Owasso	Human Resources Director	mdempster@cityofowasso.com	
JJ	Dossett	City of Owasso	Assistant To The City Manager	jjdossett@cityofowasso.com	
Jerry	Fowler	City of Owasso	Strong Neighborhoods Coordinator	jfowler@cityofowasso.com	

Chris	Garrett	City of Owasso	Assistant City Manager	Cgarrett@cityofowasso.com
Arami	Goldstein	City of Owasso	Assistant Fire Chief	Agoldstein@cityofowasso.com
Dwayne	Henderson	City of Owasso	Floodplain Manager	Dhenderson@cityofowasso.com
David	Hurst	City of Owasso	Fire Chief	Dhurst@cityofowasso.com
Wendy	Kramer	City of Owasso	City Planner	wkramer@cityofowasso.com
Larry	Langford	City of Owasso	Culture and Recreation Director	Llangford@cityofowasso.com
Warren	Lehr	City of Owasso	City Manager	Wlehr@cityofowasso.com
Donald	Lynch	City of Owasso	Emergency Management Specialist	dlynch@cityofowasso.com
Michelle	Mount	City of Owasso	GIS Specialist	Mmount@cityofowasso.com
Andrew	Neyman	City of Owasso	Information Technology Director	Aneyman@cityofowasso.com
Carly	Novozinsky	City of Owasso	Finance Director	Cnovozinsky@cityofowasso.com

Roger	Stevens	City of Owasso	Public Works Director	Rstevens@cityofowasso.com
Julieann	Stevens	City of Owasso	City Clerk	Jstevens@cityofowasso.com
Julie	Trout-Lombardi	City of Owasso	City Attorney	Jtrout-lombardi@cityofowasso.com
Jason	Woodruff	City of Owasso	Assistant Police Chief	Jwoodruff@cityofowasso.com
Daniel	Yancey	City of Owasso	Police Chief	Dyancey@cityofowasso.com
Brad	Yokley	Owasso Public Schools	Director of Operations	brad.yokley@owassops.org

EMERGENCY MANAGEMENT
Public Safety, Public Trust

P.O. Box 180
207 South Cedar Street
Owasso, OK 74055-0180
Telephone (918) 272-3828
Facsimile (918) 272-1685
www.cityofowasso.com/emergency management

HAZARD MITIGATION PLAN UPDATE
PLANNING TEAM MEETING AGENDA

March 21, 2024
1:30 PM
City Hall Community Room
200 South Main Street
Owasso, Oklahoma

1. Call to Order
2. Announcements
3. Review of Public Survey
4. Development of Mitigation Strategy
5. Review and Update Status of Projects in Previous Plan Editions
6. New Mitigation Projects to Add
7. Future Meetings
   April 18- Joint Meeting of Planning Team and Stakeholders
   May 7- Planning Team Meeting
8. Adjournment

Respectfully Submitted,

Donald D. Lynch

Donald D. Lynch
Emergency Management Specialist

PLEASE INITIAL BESIDE YOUR NAME

THANKS!

	Salutation	First Name	Last Name	Organization	Organization 2	Address	City	State	ZIP
	Mr.	Jeff	Atchison	City of Owasso	Risk Manager	200 South Main Street	Owasso	OK	74055
	Ms.	Alexa	Beemer	City of Owasso	Planning Manager	200 South Main Street	Owasso	OK	74055
TB.	Mr.	Travis	Blundell	City of Owasso	Assistant Public Works Director	200 South Main Street	Owasso	OK	74055
	Lieutenant	Nick	Boatman	City of Owasso	Police Department	111 North Main Street	Owasso	OK	74055
	Dr.	Margaret	Coates, PhD.	Owasso Public Schools	Superintendent of Schools	1501 North Ash Street	Owasso	OK	74055
	Dr.	Margaret	Coates, PhD.	Owasso Public Schools	Superintendent of Schools	1501 North Ash Street	Owasso	OK	874055
	Mr.	Paul	Croft	Owasso Public Schools	Director of Safety and Security	501 East 2nd Avenue	Owasso	OK	74055
	Mr.	Brian	Dempster	City of Owasso	Community Development Director	200 South Main Street	Owasso	OK	74055
	Ms.	Michele	Dempster	City of Owasso	Human Resources Director	200 South Main Street	Owass0	OK	74055
	Mr.	JJ	Dossett	City of Owasso	Assistant To The City Manager	200 South Main Street	Owasso	OK	74055
	Mr.	Jerry	Fowler	City of Owasso	Strong Neighborhoods Coordinator	200 South Main Street	Owasso	OK	74055
	Mr.	Chris	Garrett	City of Owasso	Assistant City Manager	200 South Main Street	Owasso	OK	74055
	Chief	Arami	Goldstein	City of Owasso	Assistant Fire Chief	11933 East 116th Street North	Collinsville	OK	74021
	Mr.	Dwayne	Henderson	City of Owasso	Floodplain Manager	200 South Main Street	Owasso	OK	74055
DH	Chief	David	Hurst	City of Owasso	Fire Chief	11933 East 116th Street North	Collinsville	OK	74021
WK	Ms.	Wendy	Kramer	City of Owasso	City Planner	200 South Main Street	Owasso	OK	74055

Mr.	Larry	Langford	City of Owasso	Culture and Recreation Director	200 South Main Street	Owassao	OK	74055
Mr.	Warren	Lehr	City of Owasso	City Manager	200 South Main Street	Owasso	OK	74055
Mr.	Donald	Lynch	City of Owasso D.S.	Emergency Management Specialist	200 South Main Street	Owasso	OK	74055
Ms.	Michelle	Mount	City of Owasso	GIS Specialist	200 South Main Street	Owasso	OK	74055
Mr.	Andrew	Neyman	City of Owasso	Information Technology Director	200 South Main Street	Owasso	OK	74055
Ms.	Carly	Novozinsky	City of Owasso CN	Finance Director	200 South Main Street	Owasso	OK	74055
Mr.	Roger	Stevens	City of Owasso R.S.	Public Works Director	200 South Main Street	Owasso	OK	74055
Ms.	Julieann	Stevens	City of Owasso	City Clerk	200 South Main Street	Owasso	OK	74055
Ms.	Julie	Trout-Lombardi	City of Owasso	City Attorney	200 South Main Street	Owasso	OK	74055
Chief	Jason	Woodruff	City of Owasso	Assistant Police Chief	111 North Main Street	Owasso	OK	74055
Chief	Daniel	Yancey	City of Owasso	Police Chief	111 North Main Street	Owasso	OK	74055
Mr.	Brad	Yokley	Owasso Public Schools	Director of Operations	501 East 2nd Avenue	Owasso	OK	74055

Lynch, Donald D.

From: Fowler, Jerry
Sent: Friday, April 12, 2024 2:10 PM
To: Lynch, Donald D.
Subject: RE: Hazard Mitigation Survey

Just posted on Nextdoor – 22,000 members on it within our fence line.
Will post on OSNI Facebook as well.

Jerry Fowler
Owasso Neighborhood Coordinator
200 South Main St, Owasso, OK 74055
918-376-1556
Owasso Strong Neighborhood Initiative

From: Lynch, Donald D. <dlynch@CityOfOwasso.com>
Sent: Friday, April 12, 2024 2:08 PM
To: Fowler, Jerry <jfowler@CityOfOwasso.com>
Subject: RE: Hazard Mitigation Survey

P.S. Sending it to individuals also would be great! Thanks! DL

From: Fowler, Jerry <jfowler@CityOfOwasso.com>
Sent: Friday, April 12, 2024 2:06 PM
To: Lynch, Donald D. <dlynch@CityOfOwasso.com>
Subject: RE: Hazard Mitigation Survey

Yes, Sir – that will work.

Will get it Posted.

Jerry Fowler
Owasso Neighborhood Coordinator
200 South Main St, Owasso, OK 74055
918-376-1556
Owasso Strong Neighborhood Initiative

EMERGENCY MANAGEMENT
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HAZARD MITIGATION PLAN UPDATE
PLANNING TEAM MEETING AGENDA

June 20, 2024
1:30 PM
City Hall Community Room
200 South Main Street
Owasso, Oklahoma

1. Call to Order
2. Announcements
3. Review of Mitigation Strategy
    a. Assignment of STAPLEE Method Score to Action Items
    b. Assignment of Implementation Priority Score to Action Items
4. Announcements concerning meeting with Stakeholders on July 25, 2024
5. Adjournment

Respectfully Submitted,

Donald D. Lynch

Donald D. Lynch
Emergency Management Specialist

HAZARD MITIGATION PLANNING TEAM MEETING
JUNE 20, 2024 1:30 - 3:30 PM
CITY HALL COMMUNITY ROOM
PLEASE INITIAL BELOW YOUR NAME

Salutation	First Name	Last Name	Organization	Organization 2	Address	City	State	ZIP
Mr.	Jeff	Atchison	City of Owasso	Risk Manager	200 South Main Street	Owasso	OK	74055
Ms. PB	Alexa	Beemer	City of Owasso	Planning Manager	200 South Main Street	Owasso	OK	74055
Mr.	Travis	Blundell	City of Owasso	Assistant Public Works Director	200 South Main Street	Owasso	OK	74055
Lieutenant	Nick	Boatman	City of Owasso	Police Department	111 North Main Street	Owasso	OK	74055
Dr.	Margaret	Coates, PhD.	Owasso Public Schools	Superintendent of Schools	1501 North Ash Street	Owasso	OK	874055
Mr.	Paul	Croft	Owasso Public Schools	Director of Safety and Security	501 East 2nd Avenue	Owasso	OK	74055
Mr. BD	Brian	Dempster	City of Owasso	Community Development Director	200 South Main Street	Owasso	OK	74055
Ms.	Michele	Dempster	City of Owasso	Human Resources Director	200 South Main Street	Owass0	OK	74055
Mr.	JJ	Dossett	City of Owasso	Assistant To The City Manager	200 South Main Street	Owasso	OK	74055
Mr.	Jerry	Fowler	City of Owasso	Strong Neighborhoods Coordinator	200 South Main Street	Owasso	OK	74055
Mr.	Chris	Garrett	City of Owasso	City Manager	200 South Main Street	Owasso	OK	74055
Chief	Arami	Goldstein	City of Owasso	Assistant Fire Chief	11933 East 116th Street North	Collinsville	OK	74021
Mr.	Dwayne	Henderson	City of Owasso	Floodplain Manager	200 South Main Street	Owasso	OK	74055
Chief DH	David	Hurst	City of Owasso	Fire Chief	11933 East 116th Street North	Collinsville	OK	74021
Mr. MK	Mark	Knowlton	Owasso Public Schools	Director of Construction	501 East 2nd Avenue	Owasso	Ok	74055
Mr.	Kerwin	Koerner	Owasso Public Schools	Assistant Superintendent of Schools	1501 North Ash Street	Owasso	OK	74055

Ms.	WK	Wendy	Kramer	City of Owasso	City Planner	200 South Main Street	Owasso	OK	74055
Mr.		Larry	Langford	City of Owasso	Culture and Recreation Director	200 South Main Street	Owassao	OK	74055
Mr.		Donald	Lynch	City of Owasso	Emergency Management Specialist	200 South Main Street	Owasso	OK	74055
Ms.		Michelle	Mount	City of Owasso	GIS Specialist	200 South Main Street	Owasso	OK	74055
Mr.		Andrew	Neyman	City of Owasso	Information Technology Director	200 South Main Street	Owasso	OK	74055
Ms.	CN	Carly	Novozinsky	City of Owasso	Finance Director	200 South Main Street	Owasso	OK	74055
Mr.		Roger	Stevens	City of Owasso	Public Works Director	200 South Main Street	Owasso	OK	74055
Ms.		Julieann	Stevens	City of Owasso	City Clerk	200 South Main Street	Owasso	OK	74055
Ms.		Julie	Trout-Lombardi	City of Owasso	City Attorney	200 South Main Street	Owasso	OK	74055
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Chief		Daniel	Yancey	City of Owasso	Police Chief	111 North Main Street	Owasso	OK	74055
Mr.		Brad	Yokley	Owasso Public Schools	Director of Operations	501 East 2nd Avenue	Owasso	OK	74055

MS. LORI LANE CITY OF OWASSO STRONG NEIGHBORHOODS 200 S. MAIN OWASSO OK 74055
ADMIN. COORDINATOR
FOR JERRY FOWLER

Robert Allison for Roger Stevens

Appendix 3:
HMP Public Hearing

RECEIVED
MAR 01 2024
City Clerk's Office

NOTICE OF PUBLIC HEARINGS

DATE: April 30, 2024
TIMES: 1:30 PM and 6:30PM
PLACE: City of Owasso Old Central Building Auditorium, 109 North Birch Avenue

Notice filed in the office of the City Clerk and posted on the City Hall Bulletin Board at 3:00pm on Friday, March 1, 2024.

Juliann M. Stevens, City Clerk

The City of Owasso and Owasso Public Schools are in the process of updating their Multi-Jurisdictional Hazard Mitigation Plan.

Mitigation has many tangible benefits for communities including: preventing injuries and loss of life; protecting community assets; reducing disaster response and recovery costs; and supporting the assets that matter most to a community.

Public Hearings will be held at the date, times, and location listed above. Citizens of Owasso and patrons of the Owasso Public School District are invited to attend and provide feedback.
A briefing on the update process and an opportunity for public questions on the plan will be conducted at these meetings.

The current Hazard Mitigation Plan is available for viewing at: https://www.cityofowasso.com/DocumentCenter/View/8780/2014-Hazard-Mitigation-Plan?bidId=

The Point of Contact for this process is Donald Lynch, Emergency Management Specialist for the City of Owasso. City of Owasso, ATTN: Donald Lynch, Emergency Management, P.O. Box 180, Owasso, OK 74055; at 918-272-3828 or at dlynch@cityofowasso.com.

EMERGENCY MANAGEMENT
Public Safety, Public Trust

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Telephone (918) 272-3828
Facsimile (918) 272-1685
www.cityofowasso.com/emergency management

HAZARD MITIGATION PLAN UPDATE
PUBLIC HEARINGS AGENDA

April 30, 2024
1:30 PM and 6:30 PM
Old Central Auditorium
109 North Birch
Owasso, Oklahoma 74055

1. Call to Order
2. Announcements
3. Review of Purpose and Mitigation Strategy
4. Review of Public Survey
5. Public Comments and Questions
6. Adjournment

Respectfully Submitted,

Donald D. Lynch

Donald D. Lynch
Emergency Management Specialist

EMERGENCY MANAGEMENT
Public Safety, Public Trust

P.O. Box 180
207 South Cedar Street
Owasso, OK 74055-0180
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Facsimile (918) 272-1685
www.cityofowasso.com/emergency management

HAZARD MITIGATION PLAN UPDATE
PUBLIC HEARING MINUTES

April 30, 2024
1:30 PM
Old Central Auditorium
109 North Birch
Owasso, Oklahoma 74055

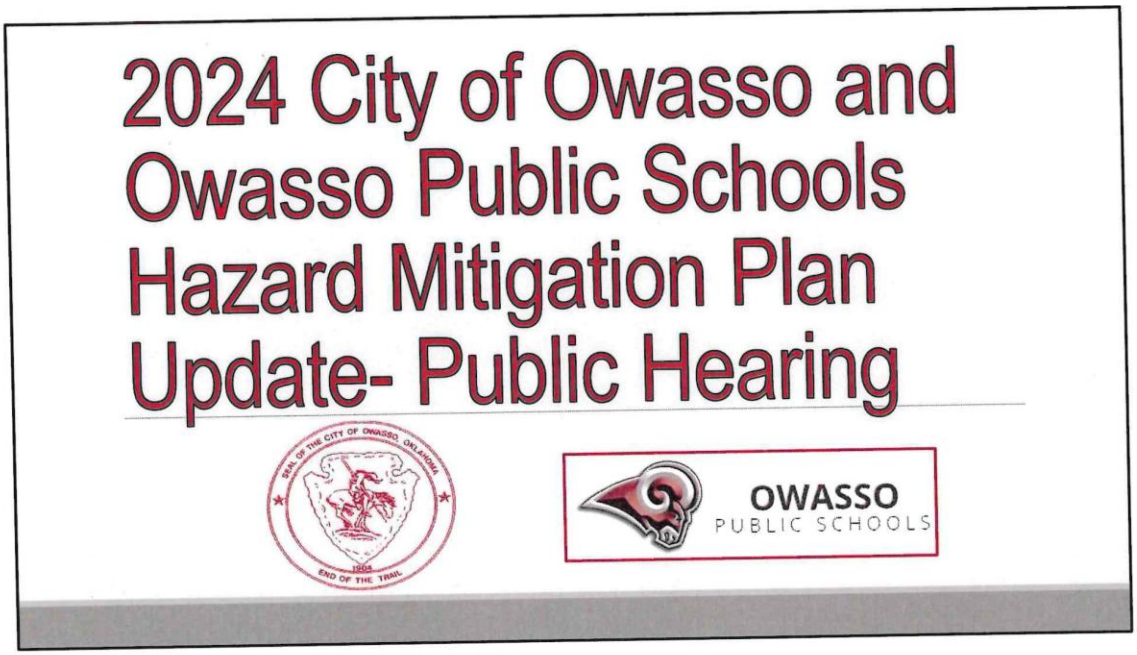
The hearing was called to order at 1:30 PM by Donald D. Lynch, Emergency Management Specialist.

There being no attendance, the hearing was closed.

Respectfully Submitted,

Donald D. Lynch

Donald D. Lynch
Emergency Management Specialist


2024 City of Owasso and
Owasso Public Schools
Hazard Mitigation Plan
Update- Public Hearing
OWASSO
PUBLIC SCHOOLS

1

WHY THIS PLAN IS IMPORTANT FOR OUR COMMUNITY

Mitigation is any action taken to reduce or eliminate long term risk to people and property from both natural and human - caused disasters.

According to FEMA, for every $1.00 spent towards pre-disaster mitigation efforts, we save $4.00 in post-disaster recovery actions.

- It is estimated that for every $1.00 spent towards pre-disaster mitigation actions, a community save roughly $4.00 in post-disaster recovery efforts.
- This is especially considering that a community is NOT guaranteed that FEMA will assist in recovery efforts after an event occurs. The event has to be Presidentially declared, and there is a state-wide threshold to meet before that happens.

COVERING THE BASES FOR GRANT FUNDING

This plan is a prerequisite from FEMA for mitigation grant funding. Additionally, items MUST be in the plan for eligibility for Federal Hazard Mitigation Assistance.

FEMA Funding Programs

Flood Mitigation Assistance Grant

Section 404 (HMGP) Grants

Section 406 (PA) Grants

Building Resilient Infrastructure and Communities Grants

Since the National Flood Insurance Reform Act of 1994 was signed into law, Federal funds have been used for projects that reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program. FEMA chooses recipients based on the applicant's ranking of the project, eligibility, and cost effectiveness of the project. 1.8 billion dollars have bene allocated to this program for FCY 2024.

Section 404 grant funding is used to protect undamaged parts of a facility or to prevent or reduce damages caused by future disasters. the 404 grant is managed by the state underfunding provided for in the Stafford Act. The State receives a percentage of the total Federal Share of the declared public Assistance damage amount (currently 20%) and can use the funds anywhere in the state, regardless of where the declared disaster occurred or the disaster type.

The Section 406 grant program is managed by the State under funding provided for in the Stafford Act for use in conjunction with Public Assistance repair funds for projects that were damaged, so it is limited to declared counties and eligible damaged facilities.

The Building Resilient Infrastructure and Communities Program supports State, Tribal, and local governments as they undertake hazard mitigation projects . The guiding principles are capability and capacity building; encouraging and enabling innovation; promoting partnerships; enabling large infrastructure projects; maintaining flexibility; and providing consistency. FEMA selects projects to be funded under this program. 800 million dollars is available in FY 24 grant program.

Other Funding Sources

CDBG

General Revenue

TransportationProject Funds

OUR PLANNING HISTORY

The City of Owasso and Owasso Public Schools joined forces in 2004 to create a plan that would serve both jurisdictions. A Hazard Mitigation Planning Team was formed to provide guidance and review during the preparation of the plan. The initial plan was adopted in August, 2004.

An updated version of the plan was adopted in July, 2014.

An update was stated in 2019 with 5 Planning Team meetings held. Before an update could be completed, personnel changed and the COVID Pandemic swept across the nation bringing in- person meetings to a stop.

UPDATE THE PLAN EVERY FIVE YEARS

The latest edition of our Hazard Mitigation Plan was adopted in 2014.

FEMA requires the plan must be updated every five years to account for changes in development, vulnerabilities, and progress on mitigation activities.

STEPS IN THE PLANNING PROCESS

- Build a Planning Team
- Create an Outreach Strategy
- Assess Hazards, Risks, and Capabilities
- Develop the Plan
- Keep the Plan Current

PLANS ARE BASED ON HAZARD AND VULNERABILITY ANALYSIS

Currently, there are eleven identified hazards in our plan, which include:

Dam Failure; Damaging Wind; Drought; Earthquake; Extreme Heat; Flooding; Hail; Lightning; Tornado; Wildfire; and Winter Storm

Current guidance suggests combining Damaging Wind; Hail; and Lightning into a Severe Thunderstorm category.

- Currently, there are 11 natural hazards that have been identified as posing a risk to Owasso in our plan.
- FEMA only requires natural hazards to be addressed for this plan to pass.
- Technological and national security events are not a requirement at this time.
- Therefore, we are only going to focus on the 9 identified natural hazards for now.
- As time and resources allow, additional hazards may be added in the future.

STRATEGY: design, develop, conduct, evaluate, and update:

1. Prevent certain hazard conditions from occurring or getting worse.
2. Implement structural activities that will mitigate damage and losses.
3. Modify existing infrastructure, buildings and property uses that are currently subject to damage.
4. Enhance public information and education.
5. Protect people via emergency services activities such as threat recognition, warning response, protective actions, and post-event recovery.

GOALS

- To increase city-wide ability to protect public safety and reduce losses from disasters and emergencies
- To enhance public awareness and understanding ofhazard mitigation to influence the public to undertake mitigation measures for their property
- To reduce repetitive flooding in floor-prone areas in the city of Owasso
- Build and support partnerships to enhance mitigation activities
- Undertake measures to protect existing structures from the effects of hazards affecting the community

PROJECT CATEGORIES

Local Plans and Regulations: Government authorities, policies, or codes that influence the way that land and buildings are developed and maintained.
Structure and Infrastructure: Projects that modify existing infrastructure to remove it from a hazard area or construct new structures to reduce impacts of hazards.
Natural Systems Protection: Actions that minimize damage and losses by preserving or restoring the functions of natural systems.
Education and Awareness Programs: Sustained programs to educate the public and decision-makers about hazard risks and community mitigation programs.

CITY OF OWASSO PROJECTS

- Evaluate, Upgrade, and maintain Outdoor Warning System
- Provide emergency power generators and related equipment for critical facilities
- Install lightning warning systems in parks

CITY OF OWASSO PROJECTS

- Upgrade construction of older facilities when damaged.
- Incorporate Xeriscaping, native species, and natural wetlands solutions into stormwater mitigation projects.
- Work with partners to implement a residential safe-room program.
- Coordinate with dam owners to update EAPs.

CITY OF OWASSO PROJECTS

- Provide neighborhood CERT training and supplies.
- Construct lightning rods, and other equipment to protect public and critical facilities.
- Acquire repetitive flood loss properties.
- Develop methods to mitigate power infrastructure failure/disruption.

CITY OF OWASSO PROJECTS

- Redesign and rebuild roadways that have been damaged or frequently flood to mitigate against future events.
- Design, develop, and conduct hazard awareness and prevention campaigns.
- Construct an additional fire station to serve the eastern part of the City.
- Develop a system of public emergency heating/cooling stations.

CITY OF OWASSO PROJECTS

- Put hail guards on HVAC systems or City facilities.
- Continue drainage improvements in neighborhoods.
- Cooperate with partners to develop landslide related mitigation measures.
- Obtain master UPS systems for critical facilities.

CITY OF OWASSO PROJECTS

- Create shelters to keep hail/snow off of City vehicles parked outside to reduce response time.
- Obtain mobile command/communications vehicle.
- Develop a City Drought Management Plan
- Update the City's Stormwater Drainage Master Plan.
- Incorporate life-line planning into mitigation projects.

OWASSO PUBLIC SCHOOLS PROJECTS

- Continuewithwater-savingfixtures
- Energy-efficientwindowreplacement
- "Allmedia"information program
- Retrofittingschoolgymsintosaferooms
- Next Phase of keyless entry

OWASSO PUBLIC SCHOOLS PROJECTS

- Backup power generators
- Redundant IT Hub Site
- Enhance2-way communications Equipment
- Roofing Systems upgrades for each site
- Protective Walkways for School Campuses

PUBLIC SURVEY

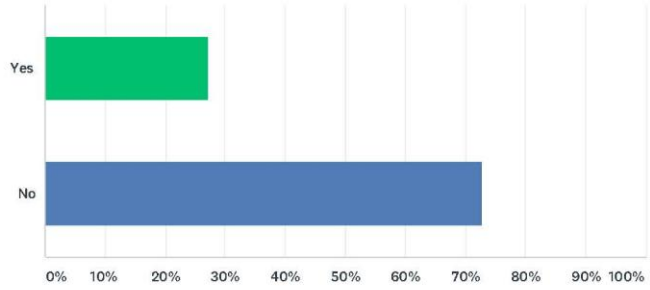
https://www.surveymonkey.com/r/HazardMitigation

Appendix 4:
Owasso Hazard Mitigation Survey

Owasso Hazard Mitigation

Q1 Has your current residence ever been damaged by a disaster in Owasso?

Answered: 224 Skipped: 1

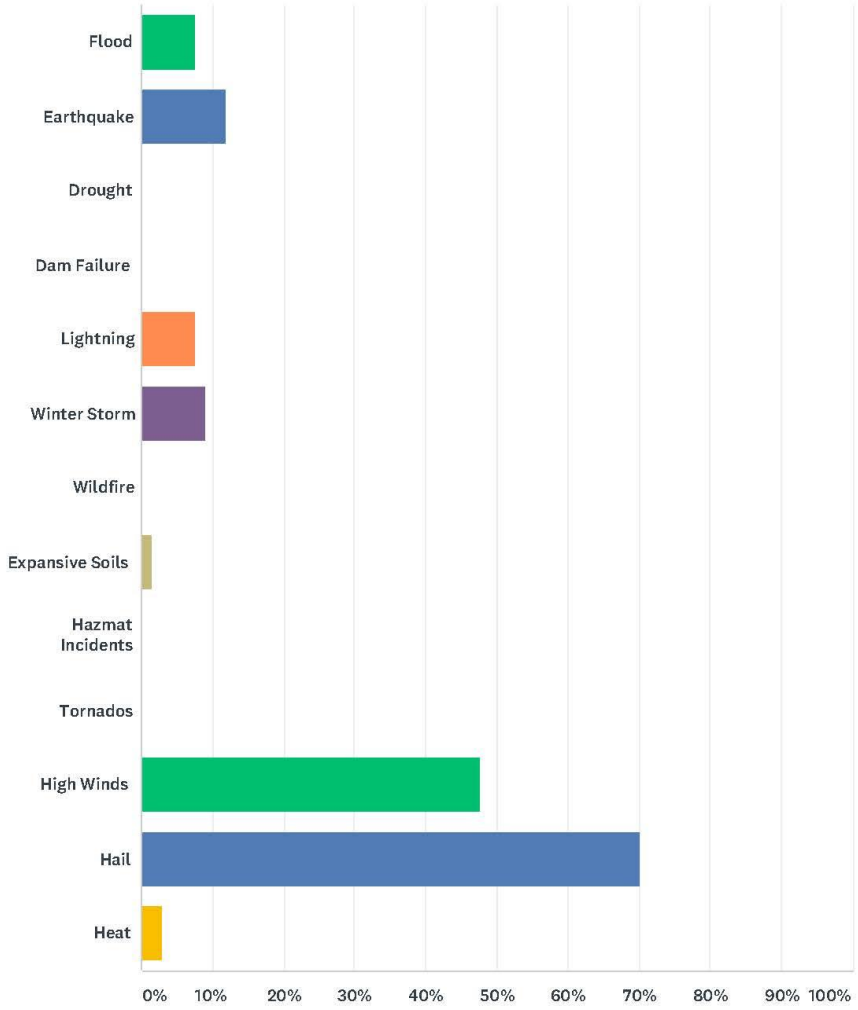


ANSWER CHOICES	RESPONSES	
Yes	27.23%	61
No	72.77%	163
TOTAL		224

Owasso Hazard Mitigation

Q2 If you answered Yes to Question 1, what type of disaster damaged your residence? (Select all that apply)

Answered: 67 Skipped: 158



ANSWER CHOICES	RESPONSES	
Flood	7.46%	5
Earthquake	11.94%	8
Drought	0.00%	0
Dam Failure	0.00%	0
Lightning	7.46%	5

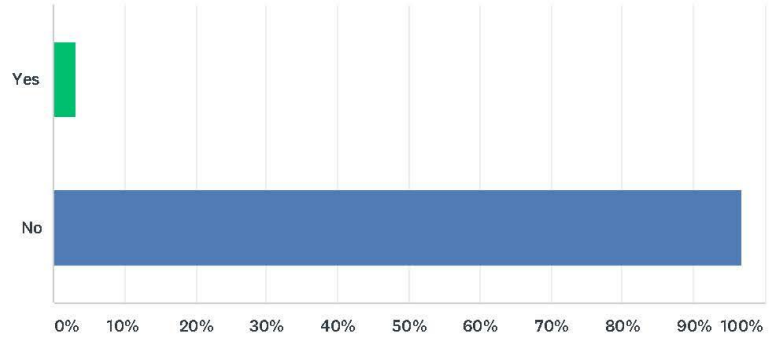
Owasso Hazard Mitigation

Winter Storm	8.96%	6
Wildfire	0.00%	0
Expansive Soils	1.49%	1
Hazmat Incidents	0.00%	0
Tornados	0.00%	0
High Winds	47.76%	32
Hail	70.15%	47
Heat	2.99%	2
Total Respondents: 67		

Owasso Hazard Mitigation

Q3 Prior to this survey, were you aware of the Owasso Hazard Mitigation Plan?

Answered: 220 Skipped: 5

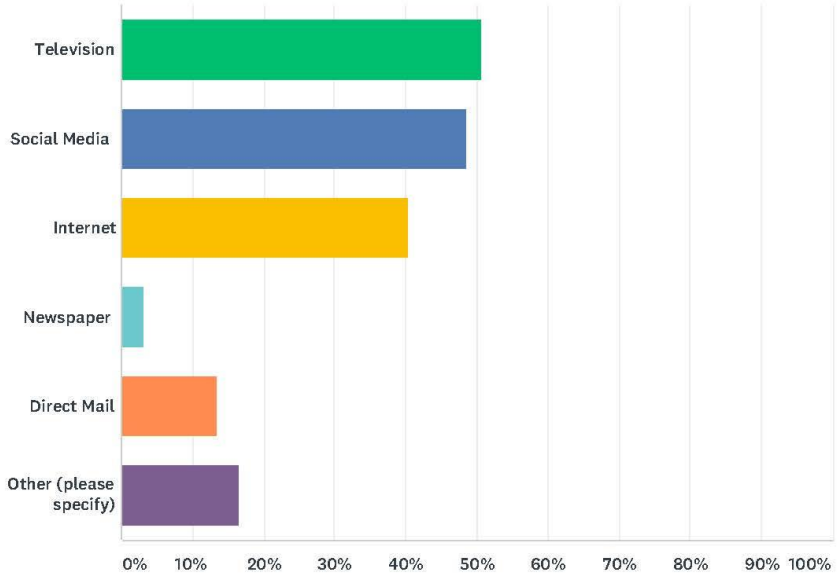


ANSWER CHOICES	RESPONSES	
Yes	3.18%	7
No	96.82%	213
TOTAL		220

Owasso Hazard Mitigation

Q4 What is the most effective way you receive information to make your home safer from natural disasters?

Answered: 225 Skipped: 0



ANSWER CHOICES	RESPONSES	
Television	50.67%	114
Social Media	48.44%	109
Internet	40.44%	91
Newspaper	3.11%	7
Direct Mail	13.33%	30
Other (please specify)	16.44%	37
Total Respondents: 225		

#	OTHER (PLEASE SPECIFY)	DATE
1	Text Message	8/1/2019 4:30 AM
2	Radio Braodcast	7/25/2019 4:34 PM
3	Text	7/24/2019 1:13 PM
4	Text messaging	7/24/2019 1:48 AM
5	Phone alert	7/22/2019 1:39 PM
6	Text messaging or auto-calls	7/22/2019 12:27 PM
7	Emergency Texts Messages	7/22/2019 11:44 AM

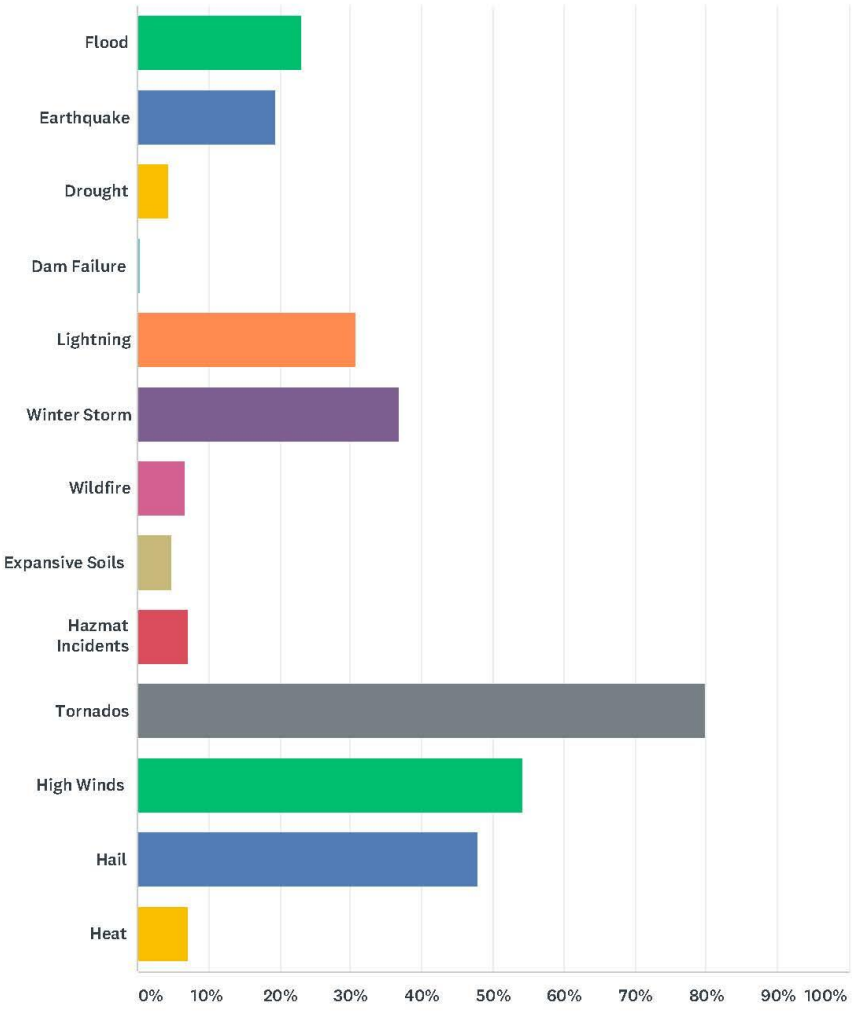
Owasso Hazard Mitigation

8	Please stop using Facebook as your only social media presence. Post the same things to your website, in a dedicated area. We don't Facebook, and we won't because their privacy policies suck.	7/22/2019 8:33 AM
9	text Messages	7/17/2019 3:22 PM
10	email newsletter	7/17/2019 12:53 PM
11	Email	7/17/2019 7:54 AM
12	Twitter or news apps	7/17/2019 1:38 AM
13	Text alerts	7/16/2019 5:39 PM
14	Text for emergencies	7/16/2019 4:00 PM
15	Text message	7/16/2019 3:10 PM
16	Text	7/16/2019 9:02 AM
17	Next door is good, now that i'm starting to use it more	7/16/2019 8:40 AM
18	Text/call	7/16/2019 8:28 AM
19	Text	7/16/2019 7:40 AM
20	PHONE APPS	7/16/2019 7:20 AM
21	Text message	7/16/2019 7:14 AM
22	Nextdoor	7/16/2019 6:32 AM
23	Chamber of Commerce	7/16/2019 6:15 AM
24	Text messages	7/16/2019 5:58 AM
25	Nextdoor Application	7/16/2019 5:47 AM
26	Cell phone aleart	7/16/2019 5:28 AM
27	Email or text message	7/16/2019 5:24 AM
28	Text	7/16/2019 5:14 AM
29	Text	7/16/2019 4:51 AM
30	Email	7/16/2019 4:51 AM
31	Text alerts	7/16/2019 4:48 AM
32	Radio	7/16/2019 4:47 AM
33	email	7/16/2019 1:26 AM
34	Cell phone	7/15/2019 3:10 PM
35	Owassoisms website	7/15/2019 2:18 PM
36	Text	7/15/2019 12:46 PM
37	Texts	7/15/2019 12:35 PM

Owasso Hazard Mitigation

Q5 The following hazards are among those which could potentially impact the City of Owasso. Please mark three (3) hazards that are of the most concern to your neighborhood or home.

Answered: 225 Skipped: 0



ANSWER CHOICES	RESPONSES	
Flood	23.11%	52
Earthquake	19.56%	44
Drought	4.44%	10
Dam Failure	0.44%	1

Owasso Hazard Mitigation

Lightning	30.67%	69
Winter Storm	36.89%	83
Wildfire	6.67%	15
Expansive Soils	4.89%	11
Hazmat Incidents	7.11%	16
Tornados	80.00%	180
High Winds	54.22%	122
Hail	48.00%	108
Heat	7.11%	16
Total Respondents: 225		

Owasso Hazard Mitigation

Q6 Please list any additional hazards that present a threat to your home or neighborhood.

Answered: 63 Skipped: 162

#	RESPONSES	DATE
1	Heavy storms flood three of five entrances.	8/19/2019 12:22 PM
2	Speeding teenagers.	8/15/2019 9:09 AM
3	High winds	8/4/2019 9:52 AM
4	Ice Storms/Winter Storms, Airport incidents at Tulsa International or Gundy's airport on 76th St. N.	8/1/2019 4:30 AM
5	People setting off explosives on their private, unincorporated property which is very near the Fairways at Bailey Ranch.	7/25/2019 2:51 AM
6	not sure of others	7/23/2019 10:17 AM
7	None	7/23/2019 12:47 AM
8	Fire	7/22/2019 5:46 PM
9	Tornado, earthquake	7/22/2019 2:34 PM
10	Flash flood from Elm Creek	7/22/2019 1:39 PM
11	Nothing at this time	7/22/2019 12:27 PM
12	I am concerned with the way that people street park and that if there was a fire or emergency you would be unable to make it down my street	7/22/2019 12:23 PM
13	Biological disasters.	7/22/2019 12:14 PM
14	Airplane crash	7/22/2019 11:55 AM
15	Earthquake	7/22/2019 11:53 AM
16	Just tree limbs that might sway in high winds and break powerlines	7/22/2019 11:44 AM
17	Health hazards (mosquitoes, rodents,etc) from poorly maintained nearby yards	7/22/2019 8:33 AM
18	Lightning	7/22/2019 6:09 AM
19	Mosquitoes are a big problem in my neighborhood.	7/19/2019 3:31 AM
20	Deer overpopulation	7/18/2019 7:32 AM
21	Fire	7/17/2019 3:22 PM
22	unknown	7/17/2019 10:29 AM
23	Lightning & flood	7/17/2019 7:54 AM
24	None	7/17/2019 6:58 AM
25	Large unmowed field behind my house at 96th and mingo.	7/17/2019 1:13 AM
26	Trees growing in drainage easement taking over our fense	7/16/2019 5:24 PM
27	Displaced animals from clearing and growth that end up reaking havoc in neighborhoods, such as coyotes and rats, with no help or plan from city.	7/16/2019 4:00 PM
28	Tornados	7/16/2019 3:34 PM
29	Wild coyotes	7/16/2019 3:03 PM
30	Hail and winter storms also rank high	7/16/2019 12:49 PM
31	Lightning fire	7/16/2019 11:51 AM
32	wenter storm	7/16/2019 11:34 AM

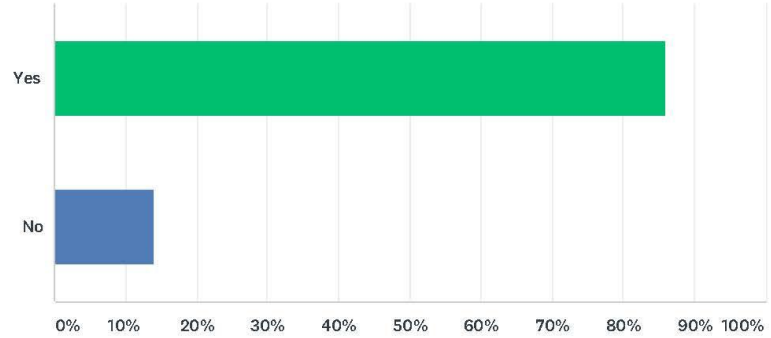
Owasso Hazard Mitigation

33	Flooding, wildfire	7/16/2019 10:04 AM
34	High winds, hail	7/16/2019 10:01 AM
35	Pot holes	7/16/2019 8:20 AM
36	Unmaintained greenspace drainage ditches meant to drain whole neighborhoods need to be mowed often and short , need to be keep free of trash and nuisance wildlife and need their maintenance plan in HOA covenants, "to be maintained by the city using City equipment." HOAs are not good at this kind of Maintenance and homeowners' residential lawn equipment isn't sufficient for this purpose. But failure to maintain these drainage areas leads to flooding.	7/16/2019 7:49 AM
37	Na	7/16/2019 7:34 AM
38	EXCESSIVE INSECTS - PRIMARILY MOSQUITOS	7/16/2019 7:20 AM
39	none	7/16/2019 6:58 AM
40	Speeders on 123rd e ave by Smith Elementary	7/16/2019 6:52 AM
41	Tornado	7/16/2019 6:21 AM
42	Tremors created by blasting at quarry located @ n 145th & e 66th st	7/16/2019 6:10 AM
43	Tornadoes	7/16/2019 6:09 AM
44	Opportunity crime	7/16/2019 5:47 AM
45	Fire	7/16/2019 5:28 AM
46	Moles	7/16/2019 5:21 AM
47	Power outage	7/16/2019 5:05 AM
48	Extended loss of power Bridge integrity	7/16/2019 5:03 AM
49	Vandals	7/16/2019 5:02 AM
50	None	7/16/2019 5:01 AM
51	People property draining on mine, washing away my soil. Draining due to weather and draining their pool. During rain causes more flood chances to my home	7/16/2019 5:00 AM
52	Snakes, bugs, pests from yards not cared for...houses empty foreclosed or just not taken care of by owner.	7/16/2019 4:57 AM
53	Lightning	7/16/2019 4:55 AM
54	Not having drug enforcement agency..	7/16/2019 4:52 AM
55	none	7/16/2019 4:10 AM
56	Heat	7/15/2019 3:10 PM
57	There are no storm water drains on my block. Water has no where to go.	7/15/2019 3:00 PM
58	Flooding on these narrowing roads are washing out the edges badly. My house is on a hill but to get here are the roads on the East side. Eroding shoulder to NO shoulders left.	7/15/2019 2:57 PM
59	The roaches from the apartments across the street	7/15/2019 2:48 PM
60	Rain run off	7/15/2019 12:58 PM
61	N/A	7/15/2019 12:57 PM
62	Break in the utility lines the city needs to provide utility insurance	7/15/2019 12:18 PM
63	The streets flood on E 8th street	7/15/2019 12:13 PM

Owasso Hazard Mitigation

Q7 If you are a homeowner, do you have adequate insurance to cover the hazards that could impact your home? It is important to note that, as a rule, homeowners and renter's insurance does not cover damage from flooding. To protect your home, be sure to understand the risk of flooding and your options.

Answered: 220 Skipped: 5

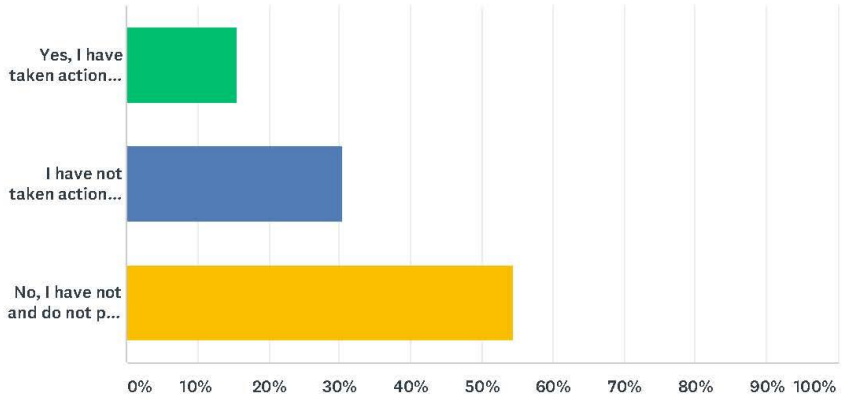


ANSWER CHOICES	RESPONSES	
Yes	85.91%	189
No	14.09%	31
TOTAL		220

Owasso Hazard Mitigation

Q8 Have you done anything to your home to make it less vulnerable, such as using impact-resistant shingles or added roof ties to the trusses and wall studs of your home?

Answered: 221 Skipped: 4



ANSWER CHOICES	RESPONSES	
Yes, I have taken action to make my home less vulnerable.	15.38%	34
I have not taken action to make my home less vulnerable to hazards, but plan to.	30.32%	67
No, I have not and do not plan to take action to make my home less vulnerable to hazards.	54.30%	120
TOTAL		221

Owasso Hazard Mitigation

Q9 If you selected "Yes" on question 8, what actions have/do you plan to take?

Answered: 56 Skipped: 169

#	RESPONSES	DATE
1	Impact-resistance shingles being added soon when roof is replaced. Damaged during June 18, 2019 wind, rain and hail storm.	8/19/2019 12:22 PM
2	Impact-resistant shingles, moisture barrier on the roof	7/25/2019 2:51 AM
3	impact resistant shingles, tree trimming	7/24/2019 4:24 AM
4	better shingles	7/23/2019 10:17 AM
5	Storm shelter	7/23/2019 12:59 AM
6	Non	7/23/2019 12:47 AM
7	Impact resistant shingles	7/22/2019 1:55 PM
8	Recently replaced roof with high impact shingles	7/22/2019 12:14 PM
9	Fix roof	7/22/2019 11:58 AM
10	Insurance & risk inspections	7/22/2019 11:44 AM
11	Will decide at time of remodel with contractors what is reasonable and feasible	7/22/2019 8:33 AM
12	Installed impact-resistant shingles	7/22/2019 6:09 AM
13	Roof ties	7/21/2019 10:05 AM
14	Upgrading roof with new shingles	7/19/2019 3:31 AM
15	better shingles once replaced	7/17/2019 12:53 PM
16	NA	7/17/2019 7:54 AM
17	We have been in constant remodeling stages. Our next remodeling project is a roof.	7/17/2019 6:57 AM
18	Impact resistant shingles	7/17/2019 6:32 AM
19	high impact shingles	7/17/2019 6:23 AM
20	New higher rated roof	7/16/2019 10:54 PM
21	New shingles, storm shelter	7/16/2019 5:24 PM
22	Impact resistant shingles	7/16/2019 3:03 PM
23	new roof with high wind resistant shingles	7/16/2019 10:23 AM
24	Impact resistant shingles.	7/16/2019 10:01 AM
25	Not sure	7/16/2019 10:01 AM
26	Impact resistant shingles	7/16/2019 9:16 AM
27	nails not staples to shingles. (that is the only one i know of for now) Dont know what else to do. I'm not trained in it.	7/16/2019 8:40 AM
28	Grounding. All other hazards are outside forces that little can be mitigated.	7/16/2019 8:28 AM
29	Added french drain to keep water from coming into laundry room	7/16/2019 8:16 AM
30	Impact resistant shingles	7/16/2019 7:57 AM

Owasso Hazard Mitigation

31	Should building codes in tornado country require homes to be sturdy enough for frequently-occurring inclement weather without extensive aftermarket modifications at the expense of the homeowner? Will flood insurance cover damage caused by negligence in maintaining intended Watershed areas? Or failure of local government to expand drainage infrastructure when PUD and commercial building permits are continuing to be issued?	7/16/2019 7:49 AM
32	New roof	7/16/2019 7:34 AM
33	SLOWING DOWN THE WATER FLOW THROUGH MY PROPERTY FROM HIGHER ELEVATIONS	7/16/2019 7:20 AM
34	Good updated windows, newish roof	7/16/2019 6:32 AM
35	In 2015 we had french drains put in the backyard to help with the constant flooding issues. My home was built MUCH lower than the homes that sit behind me. I still have flooding issues, even with the french drain. We have also taken extra precautions with roofing and gutters. Another issue is when my home was built in 2004, a maple tree was planted right in front of the house. I did not purchase the home until 2013. After purchasing, it was brought to my attention that the tree had been planted too close to the home and the roots have caused constant plumbing issues. It is a huge tree at this point and I'm unsure of how to correct the issue without spending a fortune.	7/16/2019 6:15 AM
36	Better siding better windows	7/16/2019 5:47 AM
37	Storm shelter, impact resistant shingles, storm doors, security system	7/16/2019 5:47 AM
38	Getting storm shelter & French drains	7/16/2019 5:33 AM
39	Impact shingles were put on after last hail storm.	7/16/2019 5:22 AM
40	High wind resistant roofing shingles	7/16/2019 5:14 AM
41	6-nail shingles (vs. standard 4 or 5).	7/16/2019 5:04 AM
42	Roof ties and shingles	7/16/2019 5:02 AM
43	N/a	7/16/2019 5:01 AM
44	Add dirt to my property to create a dam to force water to stay on other property. Change to land flow	7/16/2019 5:00 AM
45	Impact resistant shingles	7/16/2019 4:57 AM
46	Improved quality of shingles	7/16/2019 4:52 AM
47	Last year new impact resistant roof put on.	7/16/2019 4:51 AM
48	Impact resistant shingles	7/15/2019 3:48 PM
49	Hail resistant shingles	7/15/2019 2:58 PM
50	Storm shelter, stronger windows	7/15/2019 2:57 PM
51	Whatever I can	7/15/2019 2:48 PM
52	Shingles and storm shelter	7/15/2019 1:24 PM
53	Upgraded roofing.	7/15/2019 12:57 PM
54	Home built up to city codes	7/15/2019 12:23 PM
55	Under consideration	7/15/2019 12:18 PM
56	Reinforced concrete and roof	7/15/2019 12:11 PM

AIA® Document A133® – 2019

Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price

AGREEMENT made as of the 6th day of October in the year 2025
(In words, indicate day, month, and year.)

BETWEEN the Owner:
(Name, address, and other information)

Owasso Public Schools
1501 N. Ash St.
Owasso, Oklahoma 74055

and the Construction Manager:
(Name, address, and other information)

Nabholz Construction Corporation
10319 E. 54th. St.
Tulsa, Oklahoma 74146

for the following Project:
(Name, location, and detailed description)

Owasso Public Schools 5th Grade Center
8101 N. 129th E. Ave.
Owasso, Oklahoma 74055

The Architect:
(Name, address, and other information)

GH2 Architects, LLC
320 South Boston Ave.
Tulsa, Oklahoma 74103
The Owner and Construction Manager agree as follows.

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

AIA Document A201™–2017, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

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EXHIBIT A GUARANTEED MAXIMUM PRICE AMENDMENT
EXHIBIT B INSURANCE AND BONDS

ARTICLE 1 INITIAL INFORMATION

§ 1.1 This Agreement is based on the Initial Information set forth in this Section 1.1.
(For each item in this section, insert the information or a statement such as "not applicable" or "unknown at time of execution.")

§ 1.1.1 The Owner's program for the Project, as described in Section 4.1.1:
(Insert the Owner's program, identify documentation that establishes the Owner's program, or state the manner in which the program will be developed.)

To be identified with Construction Documents

§ 1.1.2 The Project's physical characteristics:
(Identify or describe pertinent information about the Project's physical characteristics, such as size; location; dimensions; geotechnical reports; site boundaries; topographic surveys; traffic and utility studies; availability of public and private utilities and services; legal description of the site, etc.)

TBD

§ 1.1.3 The Owner's budget for the Guaranteed Maximum Price, as defined in Article 6:
(Provide total and, if known, a line item breakdown.)

$51,000,000

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§ 1.1.4 The Owner's anticipated design and construction milestone dates:

.1 Design phase milestone dates, if any:

TBD

.2 Construction commencement date:

TBD

.3 Substantial Completion date or dates:

TBD

.4 Other milestone dates:

N/A

§ 1.1.5 The Owner's requirements for accelerated or fast-track scheduling, or phased construction, are set forth below:
(Identify any requirements for fast-track scheduling or phased construction.)

A civil package phase to relocate utilities necessary for school function while school is out of session for summer.

§ 1.1.6 The Owner's anticipated Sustainable Objective for the Project:
(Identify and describe the Owner's Sustainable Objective for the Project, if any.)

TBD

§ 1.1.6.1 If the Owner identifies a Sustainable Objective, upon request of the Owner and Construction Manager shall complete and incorporate AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, as may be amended by the parties, into this Agreement to define the terms, conditions and services related to the Owner's Sustainable Objective. If E234–2019 is incorporated into this agreement, the Owner and Construction Manager shall incorporate the completed E234–2019 into the agreements with the consultants and contractors performing services or Work in any way associated with the Sustainable Objective.

§ 1.1.7 Other Project information:
(Identify special characteristics or needs of the Project not provided elsewhere.)

N/A

§ 1.1.8 The Owner identifies the following representative in accordance with Section 4.2:
(List name, address, and other contact information.)

Mark Knowlton
Owasso Public Schools
1501 N. Ash St.
Owasso, Oklahoma 74055

§ 1.1.9 The persons or entities, in addition to the Owner's representative, who are required to review the Construction Manager's submittals to the Owner are as follows:
(List name, address and other contact information.)

Tyler Wallace
GH2 Architects, LLC
320 South Boston Ave.
Tulsa, Oklahoma 74103

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§ 1.1.10 The Owner shall retain the following consultants and contractors:
(List name, legal status, address, and other contact information.)

.1 Geotechnical Engineer:

To Be Determined at Later Date

.2 Civil Engineer:

Under Architect Contract

.3 Other, if any:
(List any other consultants retained by the Owner, such as a Project or Program Manager.)

N/A

§ 1.1.11 The Architect's representative:
(List name, address, and other contact information.)

Tyler Wallace
GH2 Architects, LLC
320 South Boston Ave.
Tulsa, Oklahoma 74103

§ 1.1.12 The Construction Manager identifies the following representative in accordance with Article 3:
(List name, address, and other contact information.)

Adam Garrett, Project Executive
Nabholz Construction Corporation
10319 E. 54th Street
Tulsa, Oklahoma 74146

§ 1.1.13 The Owner's requirements for the Construction Manager's staffing plan for Preconstruction Services, as required under Section 3.1.9:
(List any Owner-specific requirements to be included in the staffing plan.)

N/A

§ 1.1.14 The Owner's requirements for subcontractor procurement for the performance of the Work:
(List any Owner-specific requirements for subcontractor procurement.)

Title 61 compliance for solicitation of subcontractors

§ 1.1.15 Other Initial Information on which this Agreement is based:

N/A

§ 1.2 The Owner and Construction Manager may rely on the Initial Information. Both parties, however, recognize that such information may materially change, and, in that event, the Owner and the Construction Manager shall appropriately adjust the Project schedule, the Construction Manager's services, and the Construction Manager's compensation. The Owner shall adjust the Owner's budget for the Guaranteed Maximum Price and the Owner's anticipated design and construction milestones, as necessary, to accommodate material changes in the Initial Information.

§ 1.3 Neither the Owner's nor the Construction Manager's representative shall be changed without ten days' prior notice to the other party.

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ARTICLE 2 GENERAL PROVISIONS

§ 2.1 The Contract Documents

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement, all of which form the Contract and are as fully a part of the Contract as if attached to this Agreement or repeated herein. Upon the Owner's acceptance of the Construction Manager's Guaranteed Maximum Price proposal, the Contract Documents will also include the documents described in Section 3.2.3 and identified in the Guaranteed Maximum Price Amendment and revisions prepared by the Architect and furnished by the Owner as described in Section 3.2.8. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. If anything in the other Contract Documents, other than a Modification, is inconsistent with this Agreement, this Agreement shall govern. An enumeration of the Contract Documents, other than a Modification, appears in Article 15.

§ 2.1.1 Construction Manager shall exercise the degree of care, skill and diligence in the performance of the Construction Manager's Work, to assure its Work is performed in a good and workmanlike manner, consistent with construction industry standards for similar projects and circumstances in the same geographic area (hereinafter the "Construction Manager's Standard of Care"). The Construction Manager shall be responsible for and have control over all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Construction Manager's Work under this Agreement, including all coordination of the duties of all trades, and shall furnish efficient business administration and supervision of the Work.

Construction Manager's Standard of Care specifically excludes any design or design-related responsibilities, and any action taken by Construction Manager under this Agreement does not and shall not be construed to approve, represent or warrant the adequacy and suitability of the plans and specifications for the purpose for which they are provided.

§ 2.1.2 To the extent the Owner requests that the Construction Manager provide services within its Standard of Care, such as value analysis and/or constructability suggestions or comments with respect to the Drawings and Specifications, Owner acknowledges that such services are advisory only and not professional design services. The Owner shall refer all suggestions and comments to the Architect or other design professionals for review and evaluation prior to Owner's acceptance thereof. The Owner further acknowledges that the Construction Manager is not responsible for adequacy of the drawings and specifications or for identifying errors or omissions that may exist therein. The Owner shall cause the Architect to revise the Drawings and Specifications to reflect all value analysis and constructability suggestions and comments accepted by the Owner without delay or disruption to the timely and orderly progress of the work. The contract sum and contract time may be adjusted upon the Contractor's review and pricing of the revised Drawings and Specifications.

§ 2.2 Relationship of the Parties

The Construction Manager accepts the relationship of trust and confidence established by this Agreement and covenants with the Owner to cooperate with the Architect and exercise the Construction Manager's skill and judgment in furthering the interests of the Owner to furnish efficient construction administration, management services, and supervision; to furnish an adequate supply of workers and materials; and to perform the Work in an expeditious and economical manner consistent with the Owner's interests and the Construction Manager's Standard of Care. The Owner agrees to furnish or approve, in a timely manner, information required by the Construction Manager and to make payments to the Construction Manager in accordance with the requirements of the Contract Documents. Nothing herein shall negate Construction Manager's right to equitable adjustments in the Contract Time or Contract Sum in accordance with the Contract Documents.

§ 2.3 General Conditions

§ 2.3.1 For the Preconstruction Phase, AIA Document A201™–2017, General Conditions of the Contract for Construction (as amended), shall apply as follows: Section 1.5, Ownership and Use of Documents; Section 1.7, Digital Data Use and Transmission; Section 1.8, Building Information Model Use and Reliance; Section 2.2.4, Confidential Information; Section 3.12.10, Professional Services; Section 10.3, Hazardous Materials; Section 13.1, Governing Law; Article 15, Claims and Disputes. The term "Contractor" as used in A201–2017 (as amended) shall mean the Construction Manager.

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§ 2.3.2 For the Construction Phase, the general conditions of the contract shall be as set forth in A201–2017 (as amended), which document is incorporated herein by reference. The term "Contractor" as used in A201–2017 (as amended), shall mean the Construction Manager.

ARTICLE 3 CONSTRUCTION MANAGER'S RESPONSIBILITIES

The Construction Manager's Preconstruction Phase responsibilities are set forth in Sections 3.1 and 3.2, and in the applicable provisions of A201-2017(as amended) referenced in Section 2.3.1. The Construction Manager's Construction Phase responsibilities are set forth in Section 3.3. The Owner and Construction Manager may agree for the Construction Phase to commence prior to completion of the Preconstruction Phase, in which case, both phases will proceed concurrently. The Construction Manager shall identify a representative authorized to act on behalf of the Construction Manager with respect to the Project.

§ 3.1 Preconstruction Phase

§ 3.1.1 Extent of Responsibility

The Construction Manager shall perform its Preconstruction Services consistent with the Construction Manager's Standard of Care. The Construction Manager does not warrant or guarantee estimates and schedules except as may be included as part of the Guaranteed Maximum Price. The Construction Manager is not required to ascertain that the Drawings and Specifications are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Construction Manager shall promptly report to the Architect and Owner any nonconformity discovered by or made known to the Construction Manager as a request for information in such form as the Architect may require.

§ 3.1.2 The Construction Manager shall provide a preliminary evaluation of the Owner's program, schedule and construction budget requirements, each in terms of the other.

§ 3.1.3 Consultation

§ 3.1.3.1 The Construction Manager shall schedule and conduct meetings with the Architect and Owner to discuss such matters as procedures, progress, coordination, and scheduling of the Work.

§ 3.1.3.2 The Construction Manager shall advise the Owner and Architect on proposed site use and improvements, selection of materials, building systems, and equipment. The Construction Manager shall also provide recommendations to the Owner and Architect, consistent with the Project requirements, on constructability; availability of materials and labor; time requirements for procurement, installation and construction; prefabrication; and factors related to construction cost including, but not limited to, costs of alternative designs or materials, preliminary budgets, and possible cost reductions.

§ 3.1.3.3 The Owner and Architect shall consult with the Construction Manager in establishing building information modeling and digital data protocols for the Project to establish the protocols for the development, use, transmission, and exchange of digital data.

§ 3.1.4 Project Schedule

When Project requirements in Section 4.1.1 have been sufficiently identified, the Construction Manager shall prepare and periodically update a Project schedule for the Owner's acceptance. The Construction Manager shall obtain the Architect's approval for the portion of the Project schedule relating to the performance of the Architect's services. The Project schedule shall coordinate and integrate the Construction Manager's services, the Architect's services, other Owner consultants' services, and the Owner's responsibilities; and identify items that affect the Project's timely completion. The updated Project schedule shall include the following: completion of various elements of the Architect's work, submission of the Guaranteed Maximum Price proposal; components of the Work; times of commencement and completion required of each Subcontractor (or appropriate breakdown of the Work); ordering and delivery of products, including those that must be ordered in advance of construction (if such products are known by or communicated to the Construction Manager) and the occupancy requirements of the Owner.

§ 3.1.5 Phased Construction

The Construction Manager shall provide recommendations with regard to accelerated or fast-track scheduling, procurement, and sequencing for phased construction. The Construction Manager shall take into consideration cost reductions, cost information, constructability, provisions for temporary facilities, and procurement and construction scheduling issues.

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§ 3.1.6 Cost Estimates

§ 3.1.6.1 Based on the preliminary design and other design criteria prepared by the Architect, the Construction Manager shall prepare, for the Owner's approval, preliminary estimates of the Cost of the Work or the cost of program requirements using area, volume, or similar conceptual estimating techniques. If the Architect or Construction Manager suggests alternative materials and systems, the Construction Manager shall provide cost evaluations of those alternative materials and systems.

§ 3.1.6.2 As the Architect progresses with the preparation of the Schematic Design, Design Development and Construction Documents, the Construction Manager shall prepare and update, at appropriate intervals agreed to by the Owner, and Construction Manager, an estimate of the Cost of the Work with increasing detail and refinement. The Construction Manager shall include in the estimate those costs to allow for the further development of the design until such time as the Owner and Construction Manager agree on a Guaranteed Maximum Price for the Work. The estimate shall be provided for the Architect's review and the Owner's approval. The Construction Manager shall inform the Owner and Architect in the event that the estimate of the Cost of the Work exceeds the latest approved Project budget and make recommendations for corrective action.

§ 3.1.6.3 If the Architect is providing cost estimating services as a Supplemental Service, and a discrepancy exists between the Construction Manager's cost estimates and the Architect's cost estimates, the Construction Manager and the Architect shall work together in an effort to reconcile the cost estimates.

§ 3.1.7 As the Architect progresses with the preparation of the Schematic Design, Design Development and Construction Documents, the Construction Manager shall consult with the Owner and Architect and make recommendations regarding constructability and schedules, for the Owner's approval.

§ 3.1.8 The Construction Manager shall provide recommendations and information to the Owner regarding equipment, materials, services, and temporary Project facilities.

§ 3.1.9 [Intentionally Omitted]

§ 3.1.10 If the Owner identified a Sustainable Objective in Article 1, the Construction Manager shall fulfill its Preconstruction Phase responsibilities as required in AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, attached to this Agreement.

§ 3.1.11 Subcontractors and Suppliers

§ 3.1.11.1 [Intentionally Omitted]

§ 3.1.11.2 The Construction Manager shall develop bidders' interest in the Project.

§ 3.1.11.3 Trade Contractors and Suppliers shall be selected and contracts let in strict accordance with the provisions of the Public Competitive Bidding Act of 1974, Okla. Stat. tit 61 (the "PCBA") and the Public Construction Management for Political Subdivisions Act, Okla. Stat. tit 61 (the "CM Act"). The Construction Manager represents and warrants to the Owner that: (1) the Construction Manager has sufficient experience with the requirements of the PCBA and the CM Act to effectively and efficiently supervise the Project; (2) the Construction Manager will review all proposed contract documents, bidding materials, including bid notices and bids received from potential Trade Contractors for compliance with the PCBA and CM Act. Construction Manager may elect to self-perform portions of the Work, Provided that the Construction Manager competitively bids the Work under the same terms and conditions as other bidders and the Construction Manager is the lowest responsible bidder for that construction contract. Where applicable, all bids shall be made and received in accordance with the provisions of PCBA and CM Act.

§ 3.1.12 Procurement

[Intentionally Omitted]

§ 3.1.13 Compliance with Laws

The Construction Manager shall comply with applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to its performance under this Contract, and with equal employment opportunity programs, and other programs as may be required by governmental and quasi-governmental authorities.

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§ 3.1.14 Other Preconstruction Services

Insert a description of any other Preconstruction Phase services to be provided by the Construction Manager, or reference an exhibit attached to this document

(Describe any other Preconstruction Phase services, such as providing cash flow projections, development of a project information management system, early selection or procurement of subcontractors, etc.)

N/A

§ 3.2 Guaranteed Maximum Price Proposal

§ 3.2.1 When the Drawings and Specifications have been completed, the Construction Manager will solicit trade contractors for competitive bids in relevant trade categories. Upon completion of the bidding cycle, the Construction Manager shall propose a Guaranteed Maximum Price ("GMP"), which shall be the sum of the estimated cost of work, including contingencies described in Section 3.2.4 and the Construction Manager's Fee as described in Section 6.1.2, and General Conditions.

§ 3.2.2 The Owner and Construction Manager acknowledge that the Construction Manager will/has developed the Guaranteed Maximum Price based upon completed Contract Documents.

In the event that the Owner and Construction Manager agree that the Construction Manager will develop a Guaranteed Maximum Price before the completion of the Contract Documents, in that such Drawings and Specifications do not contain all details and requirements of the Work, the Guaranteed Maximum Price will be based on certain assumptions by the Construction Manager. To the extent that the Contract Documents are anticipated to require further development, the Construction Manager will include an allowance to be identified in the GMP Amendment for such further development consistent with the Contract Documents and reasonably inferable therefrom. Such further development does not include changes in scope, systems, kinds and quality of materials, finishes, or equipment, or any condition which was not reasonably anticipated by the Construction Manager's assumptions regarding the completion of the design, all of which, if required shall be incorporated by Change Order for additional cost and/or time as required. If the Contract Documents or final Drawings and Specifications require performance of the Work in any manner different from such assumptions, or contain changes in the scope of the Work to be performed by the Construction Manager, the Construction Manager shall as soon as practicable notify the Owner thereof and of the Construction Manager's estimate of the resulting increase or decrease in the Guaranteed Maximum Price. At such time as the Owner and the Construction Manager have agreed upon the effect of such difference and/or changes in the scope of the Work, a Change Order shall be issued substituting the finished Contract Documents for those described in this Agreement and the Guaranteed Maximum Price and Contract Time shall be adjusted as agreed by the parties. .

§ 3.2.3 The Construction Manager shall include with the Guaranteed Maximum Price proposal a written statement of its basis, which shall include the following:

.1 A list of the Drawings and Specifications, including all Addenda thereto, and the Conditions of the Contract;

.2 A list of the clarifications and assumptions made by the Construction Manager in the preparation of the Guaranteed Maximum Price proposal, including assumptions under Section 3.2.2;

.3 A statement of the proposed Guaranteed Maximum Price, including a statement of the estimated Cost of the Work organized by trade categories or systems, including allowances; the Construction Manager's contingency set forth in Section 3.2.4; and the Construction Manager's Fee;

.4 The anticipated date of Substantial Completion upon which the proposed Guaranteed Maximum Price is based; and

.5 A date by which the Owner must accept the Guaranteed Maximum Price.

.6 The Date of Commencement of the Work shall be within ten (10) days of receipt of 1) Owner's Notice to Proceed, 2) the issuance of all applicable permits, and 3) Proof of adequate financing for the Work by the Owner and/or Owner's lender (in a form suitable to the Construction Manager shall include its), whichever is later.

§ 3.2.4 In preparing the Construction Manager's Guaranteed Maximum Price proposal, the Construction Manager may include a contingency to account for unexpected costs which are considered a reimbursable and a part of the Cost of Work but not included in the General Conditions. Any new work or change in the scope of Work within any Construction

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Contract will be the subject of an approved change order. The Construction manager's contingency shall be reasonable in amount and approved by the Owner with input from the Architect.

§ 3.2.5 The Construction Manager shall meet with the Owner to review the Guaranteed Maximum Price proposal. In the event that the Owner or Architect discover any inconsistencies or inaccuracies in the information presented, they shall promptly notify the Construction Manager, who shall make appropriate adjustments to the Guaranteed Maximum Price proposal, its basis, or both.

§ 3.2.6 Upon acceptance of the Guaranteed Maximum Price proposal, the parties will execute an Amendment to this Agreement establishing the Guaranteed Maximum Price and the date of Substantial Completion of the Work. The Construction Manager shall then execute the Trade Contracts and issue a Notice to Proceed in accordance with the provisions of CM Act.

§ 3.2.7 Prior to the Owner's acceptance of the Construction Manager's Guaranteed Maximum Price proposal and issuance of a Notice to Proceed, with the exception of reimbursable costs associated with Preconstruction Services, the Construction Manager shall not incur any cost to be reimbursed as part of the Cost of the Work, except as the Owner may specifically authorize in writing.

§ 3.2.8 The Owner shall authorize preparation of revisions to the Contract Documents that incorporate the agreed-upon assumptions and clarifications contained in the Guaranteed Maximum Price Amendment. The Owner shall promptly furnish such revised Contract Documents to the Construction Manager. The Construction Manager shall notify the Owner of any inconsistencies between the agreed-upon assumptions and clarifications contained in the Guaranteed Maximum Price Amendment and the revised Contract Documents, provided the Architect clouds all changes to the Drawings and Specifications on which the Guaranteed Maximum Price was based.

§ 3.2.9 [Intentionally Omitted]

§ 3.2.10 The GMP will be calculated based on current prices for component building materials. Contractor will use commercially reasonable diligence with respect to the selection and management of material suppliers and supply chains in an effort to minimize the risk of price increases or schedule disruptions; however, due to volatile market conditions, Contractor cannot warrant material prices or the timely performance of material suppliers. Should there be a significant price increase in the prices of the specified materials that are purchased after execution of the GMP Amendment, the Owner agrees that the GMP will be adjusted. A significant price increase means a change in price from the date of establishment of the GMP to the date of purchasing the materials by an amount exceeding five percent (5%). Such price increases shall be documented by available vendor quotes, estimates, invoices, catalogs, receipts or other documentation.

§ 3.3 Construction Phase

§ 3.3.1 General

§ 3.3.1.1 For purposes of Section 8.1.2 of A201–2017 (as amended), the date of commencement of the Work shall mean the date of commencement of the Construction Phase.

§ 3.3.1.2 The Construction Phase shall commence upon the Owner's execution of the Guaranteed Maximum Price Amendment.

§ 3.3.2 Administration

§ 3.3.2.1 The Construction Manager shall schedule and conduct meetings to discuss such matters as procedures, progress, coordination, scheduling, and status of the Work. The Construction Manager shall prepare and promptly distribute minutes of the meetings to the Owner and Architect.

§ 3.3.2.2 Upon the execution of the Guaranteed Maximum Price Amendment, the Construction Manager shall prepare and submit to the Owner and Architect a construction schedule for the Work and a submittal schedule in accordance with Section 3.10 of A201–2017 (as amended).

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§ 3.3.2.3 Monthly Report
The Construction Manager shall record the progress of the Project. On a monthly basis, or otherwise as agreed to by the Owner, the Construction Manager shall submit written progress reports to the Owner and Architect, showing percentages of completion and other information required by the Owner.

§ 3.3.2.4 Daily Logs
The Construction Manager shall keep, and make available to the Owner and Architect, a daily log containing a record for each day of weather, portions of the Work in progress, number of workers on site, identification of equipment on site, problems that might affect progress of the work, accidents, injuries, and other information required by the Owner.

§ 3.3.2.5 Cost Control
The Construction Manager shall develop a system of cost control for the Work, including regular monitoring of actual costs for activities in progress and estimates for uncompleted tasks and proposed changes.

ARTICLE 4 OWNER'S RESPONSIBILITIES

§ 4.1 Information and Services Required of the Owner

§ 4.1.1 The Owner shall provide information in a timely manner, regarding requirements for and limitations on the Project, including a written program which shall set forth the Owner's objectives, constraints, and criteria, including schedule, space requirements and relationships, flexibility and expandability, special equipment, systems, sustainability and site requirements.

§ 4.1.2 Prior to the execution of the Guaranteed Maximum Price Amendment, that the Owner shall provide reasonable evidence in a form satisfactory to Construction Manager that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. After execution of the Guaranteed Maximum Price Amendment, the Construction Manager may request such information as set forth in A201-2017 (as amended) Section 2.2.

§ 4.1.3 The Owner shall establish and periodically update the Owner's budget for the Project, including (1) the budget for the Cost of the Work as defined in Article 7, (2) the Owner's other costs, and (3) reasonable contingencies related to all of these costs. If the Owner significantly increases or decreases the Owner's budget for the Cost of the Work, the Owner shall notify the Construction Manager and Architect. The Owner and the Architect, in consultation with the Construction Manager, shall thereafter agree to a corresponding change in the Project's scope and quality.

§ 4.1.4 Structural and Environmental Tests, Surveys and Reports. During the Preconstruction Phase, the Owner shall furnish the following information or services with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Construction Manager's performance of the Work with reasonable promptness after receiving the Construction Manager's written request for such information or services. The Construction Manager shall be entitled to rely on the accuracy of information and services furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 4.1.4.1 The Owner shall furnish tests, inspections, and reports, required by law and as otherwise agreed to by the parties, such as structural, mechanical, and chemical tests, tests for air and water pollution, and tests for hazardous materials.

§ 4.1.4.2 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a written legal description of the site. The surveys and legal information shall include, as applicable, grades and lines of streets, alleys, pavements and adjoining property and structures; designated wetlands; adjacent drainage; rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site; locations, dimensions and other necessary data with respect to existing buildings, other improvements and trees; and information concerning available utility services and lines, both public and private, above and below grade, including inverts and depths. All the information on the survey shall be referenced to a Project benchmark.

§ 4.1.4.3 The Owner, when such services are requested, shall furnish services of geotechnical engineers, which may include test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, seismic evaluation, ground corrosion tests and resistivity tests, including necessary operations for anticipating subsoil conditions, with written reports and appropriate recommendations.

§ 4.1.5 During the Construction Phase, the Owner shall furnish information or services required of the Owner by the Contract Documents in a timely manner so as not to delay the Project schedule. The Owner shall also furnish any other

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information or services under the Owner's control and relevant to the Construction Manager's performance of the Work with reasonable promptness after receiving the Construction Manager's written request for such information or services.

§ 4.1.6 If the Owner identified a Sustainable Objective in Article 1, the Owner shall fulfill its responsibilities as required in AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, attached to this Agreement.

§ 4.2 Owner's Designated Representative

The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. The Owner's representative shall render decisions promptly and furnish information expeditiously, to avoid unreasonable delay in the services or Work of the Construction Manager. Except as otherwise provided in Section 4.2.1 of A201–2017 (as amended), the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative. The Owner's Representative does not have the authority to approve Change Orders or amend this Agreement. Such authority is reserved to the Owner's Board of Education.

§ 4.2.1 Legal Requirements. The Owner shall furnish all legal, insurance and accounting services, including auditing services, that may be reasonably necessary at any time for the Project to meet the Owner's needs and interests.

§ 4.3 Architect

The Owner shall retain an Architect to provide services, duties and responsibilities as described in AIA Document B133™–2019, Standard Form of Agreement Between Owner and Architect, Construction Manager as Constructor Edition, including any additional services requested by the Construction Manager that are necessary for the Preconstruction and Construction Phase services under this Agreement. The Owner shall provide the Construction Manager with a copy of the scope of services in the executed agreement between the Owner and the Architect, and any further modifications to the Architect's scope of services in the agreement.

ARTICLE 5 COMPENSATION AND PAYMENTS FOR PRECONSTRUCTION PHASE SERVICES

§ 5.1 Compensation

§ 5.1.1 For the Construction Manager's Preconstruction Phase services, the Owner shall compensate the Construction Manager as follows:

(Paragraph deleted)

The fee for preconstruction services shall be a lump sum of Sixty-Two Thousand Five Hundred Dollars ($62,500.00). Any miscellaneous costs associated with the delivery of preconstruction services (printing, advertising, travel, etc.) shall be invoiced at direct cost of the item without mark-up or profit for the Construction Manager. Preconstruction Services will be invoiced on a pro-rata monthly basis for the term of the preconstruction services as identified in Article 5.1.2.

§ 5.1.2 The hourly billing rates for Preconstruction Phase services of the Construction Manager and the Construction Manager's Consultants and Subcontractors, if any, are set forth below.

(If applicable, attach an exhibit of hourly billing rates or insert them below.)

Compensation for Preconstruction Phase Services shall be equitably adjusted if such services extend beyond (__365__) days from the date of this Agreement or if the originally contemplated scope of services is significantly modified. If preconstruction services extend past the time frame identified, the following rates shall apply and will be billed on a timecard basis for those individuals working on this project:

Individual or Position	Rate
N/A	N/A

Owner acknowledges that the Charging Rates noted in this 5.1.2 are confidential and competitive to Construction Manager and shall not be disclosed to any third-party without advance written authorization of Construction Manager's Operations President. Should the date of commencement, as defined in the initial solicitation, be delayed through no fault of the Construction Manager, the Construction Manager reserves the right to substitute project team members from those originally proposed or be entitled to compensation for those team members per the rate schedule list above.

§ 5.1.2.1 Hourly billing rates for Preconstruction Phase services include all costs to be paid or incurred by the Construction Manager, as required by law or collective bargaining agreements, for taxes, insurance, contributions,

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assessments and benefits and, for personnel not covered by collective bargaining agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations and pensions, retirement plans, and shall remain unchanged unless the parties execute a Modification.

§ 5.1.3 [Intentionally Omitted]

§ 5.2 Payments

§ 5.2.1 Unless otherwise agreed, payments for services will be in accordance with 5.1.1.

§ 5.2.2 Payments are due and payable
(Paragraphs deleted)
within 30 days of presentation of the Construction Manager's invoice without retainage. Payments due and unpaid shall bear interest from the date payment is due at the maximum rate allowed by applicable law. The Interest rate shall, on amounts unpaid thirty (30) days after the due date, equal the interest rate charged on judgments of the District Courts of the State of Oklahoma, as modified from time to time, not to exceed 10% per annum.

ARTICLE 6 COMPENSATION FOR CONSTRUCTION PHASE SERVICES

§ 6.1 Contract Sum

§ 6.1.1 The Owner shall pay the Construction Manager the Contract Sum in current funds for the Construction Manager's performance of the Contract after execution of the Guaranteed Maximum Price Amendment. The Contract Sum is the Cost of the Work as defined in Article 7 plus the Construction Manager's Fee.

§ 6.1.2 The Construction Manager's Fee:
(State a lump sum, percentage of Cost of the Work or other provision for determining the Construction Manager's Fee.)

3.5% of total contract

§ 6.1.3 A lump sum equal to 3.5% of the Cost of the Work. The Construction Manager's Fee shall be adjusted for changes in the Work by zero percent (0%) for deductive changes and 3.5% for additive changes.

§ 6.1.4 [Intentionally Omitted]

§ 6.1.5 Rental rates for Construction Manager-owned equipment shall not exceed One Hundred percent (100 %) of the standard rental rate paid at the place of the Project.

§ 6.1.6 Liquidated damages, if any:
(Insert terms and conditions for liquidated damages, if any.)

N/A

§ 6.1.7 Other:
(Insert provisions for bonus, cost savings or other incentives, if any, that might result in a change to the Contract Sum.)

N/A

§ 6.2 Guaranteed Maximum Price

The Construction Manager guarantees that the Contract Sum shall not exceed the Guaranteed Maximum Price set forth in the Guaranteed Maximum Price Amendment, subject to additions and deductions by Change Order as provided in the Contract Documents. Costs which would cause the Guaranteed Maximum Price to be exceeded shall be paid by the Construction Manager without reimbursement by the Owner.

§ 6.2.1 [Intentionally Omitted]

§ 6.3 Changes in the Work

§ 6.3.1 The Owner may, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions. The Owner shall issue such changes to Construction

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Manager in writing. The Construction Manager may be entitled to an equitable adjustment in the Contract Time and/or Contract Sum as a result of changes in the Work.

§ 6.3.1.1 The Architect may order minor changes in the Work as provided in Article 7 of AIA Document A201–2017 (as amended), General Conditions of the Contract for Construction.

§ 6.3.2 Adjustments to the Guaranteed Maximum Price on account of changes in the Work subsequent to the execution of the Guaranteed Maximum Price Amendment may be determined by any of the methods listed in Article 7 of AIA Document A201–2017 (as amended), General Conditions of the Contract for Construction.

§ 6.3.3 Adjustments to subcontracts awarded on the basis of a stipulated sum shall be determined in accordance with Article 7 of A201–2017 (as amended), as they refer to "cost" and "fee," and not by Articles 6 and 7 of this Agreement. Adjustments to subcontracts awarded with the Owner's prior written consent on the basis of cost plus a fee shall be calculated in accordance with the terms of those subcontracts.

§ 6.3.4 In calculating adjustments to the Guaranteed Maximum Price, the terms "cost" and "costs" as used in Article 7 of AIA Document A201–2017 (as amended) shall mean the Cost of the Work as defined in Article 7 of this Agreement and the term "fee" shall mean the Construction Manager's Fee as defined in Section 6.1.2 of this Agreement.

§ 6.3.5 If no specific provision is made in Section 6.1.3 for adjustment of the Construction Manager's Fee in the case of changes in the Work, or if the extent of such changes is such, in the aggregate, that application of the adjustment provisions of Section 6.1.3 will cause substantial inequity to the Owner or Construction Manager, the Construction Manager's Fee shall be equitably adjusted on the same basis that was used to establish the Fee for the original Work, and the Guaranteed Maximum Price shall be adjusted accordingly.

ARTICLE 7 COST OF THE WORK FOR CONSTRUCTION PHASE

§ 7.1 Costs to Be Included in the Guaranteed Maximum Price

§ 7.1.1 The term "Cost of the Work" shall mean the total of the final Contact Sums of all of the Trade Contracts, plus the General Conditions and all Reimbursable expenses relating to the Construction Phase of the Project. The term "Cost of the Work" does not include the compensation for the Architect, the Architect's or Owner's consultants, the Construction Manager or the Construction Manager's consultants. The Cost of the Work shall include only those reimbursable expenses set forth in this Article 7 and not included in the General Conditions.

§ 7.1.1.1 The sum for General Conditions will be billed as a lump sum and paid in monthly installments commencing with the next calendar month following the date of commencement of construction of the Project and concluding on the date of completion of the Work. Payments will be pro-rated for part of a calendar month at the commencement of construction and the calendar month in which Final Completion occurs.

§ 7.1.2 Where, pursuant to the Contract Documents, any cost is subject to the Owner's prior approval, the Construction Manager shall obtain such approval in writing prior to incurring the cost.

§ 7.1.3 [Intentionally Omitted]

§ 7.2 Labor Costs

§ 7.2.1 Wages or salaries of construction workers directly employed by the Construction Manager to perform the construction of the Work at the site, unless such work is included within bid packages competitively bid by Construction Manager to be self-performed.

§ 7.2.2 Salaries and burden of the Construction Manager's supervisory, project/operations management, executive, safety personnel whether or not stationed at the site, included as a part of the amount agreed to for General Conditions.

§ 7.2.2.1
(Paragraphs deleted)
[Intentionally Omitted]

§ 7.2.3 [Intentionally Omitted]

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§ 7.2.4 Costs paid or incurred by the Construction Manager, as required by law or collective bargaining agreements, for taxes, insurance, contributions, assessments and benefits and, for personnel not covered by collective bargaining agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations and pensions, collectively referred to as "Labor Burden", shall be charged at a flat rate of 49% of base wage, provided that such costs are based on wages and salaries included in the Cost of the Work as described herein. **Owner acknowledges that the Labor Burden rate set in this 7.2.4 is confidential and competitive to Construction Manager and shall not be disclosed to any third-party without advance written authorization of Construction Manager's Operations President.**

§ 7.2.4.1 The Contract Sum is based upon the Project not being subject to State and Federal Prevailing Wage Law. In the event that this Project becomes subject to State or Federal Prevailing Wage Law, the Contract Sum will be adjusted accordingly.

§ 7.2.5 If agreed rates for labor costs, in lieu of actual costs, are provided in this Agreement, the rates shall remain unchanged throughout the duration of this Agreement, unless the parties execute a Modification.

§ 7.3 Subcontract Costs

Payments made by the Construction Manager to Subcontractors or Trade Contractors in accordance with the requirements of the subcontracts. Trade Contracts and payments due to the Construction Manager for any self-performed portions of the Work.

§ 7.4 Costs of Materials and Equipment Incorporated in the Completed Construction

§ 7.4.1 Costs, including transportation and storage at the site, of materials and equipment incorporated, or to be incorporated, in the completed construction.

§ 7.4.2 Costs of materials described in the preceding Section 7.4.1 in excess of those actually installed to allow for reasonable waste and spoilage. Unused excess materials, if any, shall become the Owner's property at the completion of the Work or, at the Owner's option, shall be sold by the Construction Manager. Any amounts realized from such sales shall be credited to the Owner as a deduction from the Cost of the Work.

§ 7.5 Costs of Other Materials and Equipment, Temporary Facilities and Related Items

§ 7.5.1 Costs of transportation, storage, installation, dismantling, maintenance, and removal of materials, supplies, temporary facilities, machinery, equipment and hand tools not customarily owned by construction workers that are provided by the Construction Manager at the site and fully consumed in the performance of the Work. Costs of materials, supplies, temporary facilities, machinery, equipment, and tools, that are not fully consumed, shall be based on the cost or value of the item at the time it is first used on the Project site less the value of the item when it is no longer used at the Project site. Costs for items not fully consumed by the Construction Manager shall mean fair market value.

§ 7.5.2 Rental charges for temporary facilities, machinery, equipment and hand tools not owned by the construction workers, which are provided by the Construction Manager at the site, whether rented from the Construction Manager or others, and costs of transportation, installation, minor repairs and replacements, dismantling and removal thereof. Equipment owned by the Construction manager shall be rented at a rate not to exceed the standard rental rate in the geographical area in which the project is located.

§ 7.5.3 Costs of removal of debris and/or costs associated with diverting waste to a waste recycling center from the site of the Work and its proper and legal disposal.

§ 7.5.4 Costs of the Construction Manager's site office, including general office equipment and supplies.

§ 7.5.5 Costs of materials and equipment suitably stored off the site at a mutually acceptable location, subject to the Owner's prior approval.

§ 7.6 Miscellaneous Costs

§ 7.6.1 That portion of insurance including deductibles and bond premiums that can be directly attributed to this Contract and expenses for Subcontractor and Supplier Surety shall be reimbursed at the following rate: 1) Contractor's Subcontractor Supplier Default Insurance (SSDI) at one and a quarter percent (1.25%) of the Subcontractor/Supplier value; or 2) Contractor's actual premium cost for other Payment and Performance Bonds from the Subcontractors. At the

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Construction Manager's option, a combination of the above may be used. Application of SDI or surety bond shall be at the sole discretion of the Construction Manager.

The Construction Manager's insurance program shall be reimbursed at the rate of $10 per thousand dollars of Contract Sum. Rates shall be subject to adjustment on the first day of each calendar year if required by the Construction Manager.

Builders Risk Insurance maintained by the Construction Manager at the rate of $0.10 per thousand of Contract Sum per month to insure the components of the Project while under construction. If the construction type for the project classifies as wood frame or jointed masonry, different rates may apply.

Owner acknowledges that the information provided in this Section 7.6.1 is trade secret, proprietary, or otherwise confidential and competitive to Construction Manager, and shall not be disclosed to any third-party without advance written authorization of Construction Manager's Operations President.

§ **7.6.1.1** Fees for self-insurance, for either full or partial amounts of the coverages required by the Contract Documents, with the Owner's prior approval.

§ **7.6.1.2** Fees for insurance through a captive insurer owned or controlled by the Construction Manager, with the Owner's prior approval.

(Paragraph deleted)

§ **7.6.3** Fees and assessments for the building permit, and for other permits, licenses, and inspections, for which the Construction Manager is required by the Contract Documents to pay.

§ **7.6.4** Fees of laboratories for tests required by the Contract Documents; except those related to defective or nonconforming Work for which reimbursement is excluded under Article 13 of AIA Document A201–2017 (as amended) or by other provisions of the Contract Documents, and which do not fall within the scope of Section 7.7.3.

§ **7.6.5** Royalties and license fees paid for the use of a particular design, process, or product, required by the Contract Documents.

§ **7.6.5.1** The cost of defending suits or claims for infringement of patent rights arising from requirements of the Contract Documents, payments made in accordance with legal judgments against the Construction Manager resulting from such suits or claims, and payments of settlements made with the Owner's consent, unless the Construction Manager knew that the required design, process, or product was an infringement of a copyright or a patent, and the Construction Manager failed to promptly furnish such information to the Architect as required by Article 3 of AIA Document A201–2017 (as amended). The costs of legal defenses, judgments, and settlements shall not be included in the Cost of the Work used to calculate the Construction Manager's Fee or subject to the Guaranteed Maximum Price.

§ **7.6.6** Costs for communications services, data lines, telephone service, electronic equipment, and software, directly related to the Work and located at the site.

§ **7.6.7** Costs of document reproductions, postage, and delivery charges.

§ **7.6.8** Deposits lost for causes other than the Construction Manager's negligence or failure to fulfill a specific responsibility in the Contract Documents.

§ **7.6.9** Legal, mediation and arbitration costs, including attorneys' fees and expert consultants, other than those arising from disputes between the Owner and Construction Manager, reasonably incurred by the Construction Manager after the execution of this Agreement in the performance of the Work and with the Owner's prior approval, which shall not be unreasonably withheld.

§ **7.6.10** [Intentionally Omitted]

§ **7.6.11** [Intentionally Omitted]

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§ 7.7 Other Costs and Emergencies

§ 7.7.1 Other costs incurred in the performance of the Work, with the Owner's prior approval.

§ 7.7.2 Costs incurred in taking action to prevent threatened damage, injury, or loss, in case of an emergency affecting the safety of persons and property, as provided in Article 10 of AIA Document A201–2017 (as amended).

§ 7.7.3 Costs of repairing or correcting damaged Work executed by the Construction Manager, Subcontractors, or suppliers, provided that such damaged Work was not caused by the negligence of, or failure to fulfill a specific responsibility by, the Construction Manager, and only to the extent that the cost of repair or correction is not recovered by the Construction Manager from insurance, sureties, Subcontractors, suppliers, or others.

§ 7.7.4 The costs described in Sections 7.1 through 7.7 shall be included in the Cost of the Work, notwithstanding any provision of AIA Document A201–2017 (as amended) or other Conditions of the Contract which may require the Construction Manager to pay such costs, unless such costs are excluded by the provisions of Section 7.9.

§ 7.7.5 Warranty Reserve (CM at Risk). A warranty reserve in the amount of Zero percent (0%) of the Cost of the Work will be established and included in the GMP Amendment(s) to cover the Construction Manager's cost for providing the warranty as outlined in the Contract Documents. The warranty reserve shall be deemed a Cost of the Work. In order to facilitate the final payment process, set forth in Article 11.2, the Construction Manager will bill the Owner a lump sum amount for the full warranty reserve at the time of final payment. The expenditure of the warranty reserve will not be subject to the audit provisions of this Agreement.

§ 7.8 Related Party Transactions

§ 7.8.1 [Intentionally Omitted]

§ 7.8.2 [Intentionally Omitted]

§ 7.9 Costs Not To Be Reimbursed

§ 7.9.1 The Cost of the Work shall not include the items listed below:

- **.1** Salaries and other compensation of the Construction Manager's personnel stationed at the Construction Manager's principal office or offices other than the site office, except as specifically provided in Section 7.2, or as may be provided in Article 14;
- **.2** Bonuses, profit sharing, incentive compensation, and any other discretionary payments, paid to anyone hired by the Construction Manager or paid to any Subcontractor or vendor, unless the Owner has provided prior approval;
- **.3** Expenses of the Construction Manager's principal office and offices other than the site office;
- **.4** Overhead and general expenses, except as may be expressly included in Sections 7.1 to 7.7;
- **.5** The Construction Manager's capital expenses, including interest on the Construction Manager's capital employed for the Work;
- **.6** Except as provided in Section 7.7.3 of this Agreement, costs due to the negligence of, or failure to fulfill a specific responsibility of the Contract by, the Construction Manager, Subcontractors, and suppliers, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable;
- **.7** Any cost not specifically and expressly described in Sections 7.1 to 7.7; and
- **.8** Costs, other than costs included in Change Orders approved by the Owner, that would cause the Guaranteed Maximum Price to be exceeded.
- .9 Transportation expenses incurred for travel to and within Owasso, Oklahoma.

ARTICLE 8 DISCOUNTS, REBATES, AND REFUNDS

§ 8.1 Cash discounts obtained on payments made by the Construction Manager shall accrue to the Owner if (1) before making the payment, the Construction Manager included the amount to be paid, less such discount, in an Application for Payment and received payment from the Owner, or (2) the Owner has deposited funds with the Construction Manager with which to make payments; otherwise, cash discounts shall accrue to the Construction Manager. If Construction Manager notifies the Owner of any discounts, rebates or refunds from subcontractors or vendors for early payment at the beginning of the Project, unless Owner elects to make payment early to take advantage of said discounts, the Construction Manager may choose to make payments and then accrue the discounts to the Construction Manager.

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§ 8.2 Amounts that accrue to the Owner in accordance with the provisions of Section 8.1 shall be credited to the Owner as a deduction from the Cost of the Work.

ARTICLE 9 SUBCONTRACTS AND OTHER AGREEMENTS

§ 9.1 [Intentionally Omitted]

§ 9.1.1 [Intentionally Omitted]

§ 9.2 [Intentionally Omitted]

ARTICLE 10 ACCOUNTING RECORDS

§ 10.1 The Construction Manager shall keep full and detailed records and accounts related to the Cost of the Work, and exercise such controls, as may be necessary for proper financial management under this Contract and to substantiate all costs incurred. The Owner and the Owner's auditors shall, during regular business hours and upon reasonable notice, be afforded access to, and shall be permitted to audit and copy, the Construction Manager's records and accounts, including complete documentation supporting accounting entries, books, job cost reports, correspondence, instructions, drawings, receipts, subcontracts, Subcontractor's proposals, Subcontractor's invoices, purchase orders, vouchers, memoranda, and other data relating to this Contract. The Construction Manager shall preserve these records for a period of three years after final payment, or for such longer period as may be required by law.

§ 10.2 The Contractor shall not be obligated to provide any services, information or documentation relating to its Work to auditors working on a contingency fee basis (auditor's fees calculated as a percentage of the client's net recovery), nor shall any reimbursement obligation otherwise required by the Contract Documents be applicable to Contractor when an auditor is hired by Owner on a contingency fee basis.

ARTICLE 11 PAYMENTS FOR CONSTRUCTION PHASE SERVICES

§ 11.1 Progress Payments

§ 11.1.1 Based upon Applications for Payment submitted to the Architect by the Construction Manager, and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum, to the Construction Manager, as provided below and elsewhere in the Contract Documents.

§ 11.1.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month, or as follows:

§ 11.1.3 Provided an Application for Payment is received by the Architect not later than the 1st day of the month, the Owner shall make payment to the Construction Manager not later than the 20th day of the same month. If an Application for Payment is received by the Architect after the application date fixed above, payment shall be made by the Owner not later than 30 days after the Architect received the Application for Payment. Owner and Construction Manager agree that the terms outlined in 5.2.2 shall apply to this Article 11.1.3. An Application for Payment shall be deemed certified 14 days after submittal unless the Owner or Architect objects to all or part of the Application for Payment within 14 days of submittal.

§ 11.1.4 If required by the Owner, with each Application for Payment, the Construction Manager shall submit a detailed cost transaction report generated from the Construction Manager's accounting system, and upon request by the Owner or Architect, shall provide any other evidence reasonably required by the Owner or Architect to demonstrate that cash disbursements already made by the Construction Manager on account of the Cost of the Work equal or exceed (1) progress payments already received by the Construction Manager, less (2) that portion of those payments attributable to the Construction Manager's Fee, plus (3) payrolls for the period covered by the present Application for Payment.

§ 11.1.5 Each Application for Payment shall be based on the most recent schedule of values submitted by the Construction Manager in accordance with the Contract Documents. The schedule of values shall allocate the entire Guaranteed Maximum Price among: (1) the various portions of the Work; (2) any contingency for costs that are included in the Guaranteed Maximum Price but not otherwise allocated to another line item or included in a Change Order; and (3) the Construction Manager's Fee.

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§ 11.1.5.1 The schedule of values shall be prepared in such form and supported by such data to substantiate its accuracy as the Architect may require. The schedule of values shall be used as a basis for reviewing the Construction Manager's Applications for Payment.

§ 11.1.5.2 Owner acknowledges that the Guaranteed Maximum Price applies in the aggregate to all categories and line items of the Cost of the Work. The allocation of the Guaranteed Maximum Price under this Section 11.1.5 shall not constitute a separate guaranteed maximum price for the Cost of the Work of each individual line item in the schedule of values.

§ 11.1.5.3 [Intentionally Omitted]

§ 11.1.6 Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment. The percentage of completion shall be the lesser of (1) the percentage of that portion of the Work which has actually been completed, or (2) the percentage obtained by dividing (a) the expense that has actually been incurred by the Construction Manager on account of that portion of the Work and for which the Construction Manager has made payment or intends to make payment prior to the next Application for Payment, by (b) the share of the Guaranteed Maximum Price allocated to that portion of the Work in the schedule of values.

§ 11.1.7 In accordance with AIA Document A201–2017 (as amended) and subject to other provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

§ 11.1.7.1 The amount of each progress payment shall first include:

.1 That portion of the Guaranteed Maximum Price properly allocable to completed Work as determined by multiplying the percentage of completion of each portion of the Work by the share of the Guaranteed Maximum Price allocated to that portion of the Work in the most recent schedule of values;

.2 That portion of the Guaranteed Maximum Price properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction or, if approved in writing in advance by the Owner, suitably stored off the site at a location agreed upon in writing;

.3 That portion of Construction Change Directives that the Architect determines, in the Architect's professional judgment, to be reasonably justified; and

.4 The Construction Manager's Fee, computed upon the Cost of the Work described in the preceding Sections 11.1.7.1.1 and 11.1.7.1.2 at the rate stated in Section 6.1.2 or, if the Construction Manager's Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum fee as the Cost of the Work included in Sections 11.1.7.1.1 and 11.1.7.1.2 bears to a reasonable estimate of the probable Cost of the Work upon its completion.

§ 11.1.7.2 The amount of each progress payment shall then be reduced by:

.1 The aggregate of any amounts previously paid by the Owner;

.2 The amount, if any, for Work that remains uncorrected and for which the Architect has previously withheld a Certificate for Payment as provided in Article 9 of AIA Document A201–2017 (as amended);

.3 [Intentionally Omitted];

.4 For Work performed or defects discovered since the last payment application, any amount for which the Architect may withhold payment, or nullify a Certificate of Payment in whole or in part, as provided in Article 9 of AIA Document A201–2017 (as amended);

.5 The shortfall, if any, indicated by the Construction Manager in the documentation required by Section 11.1.4 to substantiate prior Applications for Payment, or resulting from errors subsequently discovered by the Owner's auditors in such documentation; and

.6 Retainage withheld pursuant to Section 11.1.8.

§ 11.1.8 Retainage

§ 11.1.8.1 For each progress payment made prior to Substantial Completion of the Work, the Owner may withhold the following amount, as retainage, from the payment otherwise due:

(Insert a percentage or amount to be withheld as retainage from each Application for Payment. The amount of retainage may be limited by governing law.)

Five percent (5%)

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§ 11.1.8.1.1 The following items are not subject to retainage:
(Insert any items not subject to the withholding of retainage, such as general conditions, insurance, etc.)

General Conditions
Insurance
Project Requirements
Bonds

§ 11.1.8.2 Reduction or limitation of retainage, if any, shall be as follows:
(If the retainage established in Section 11.1.8.1 is to be modified prior to Substantial Completion of the entire Work, insert provisions for such modification.)

If the manner of completion of the work, and its progress are and remain satisfactory for the Owner, and the Work is shown at fifty percent (50%) or more complete in the Application for Payment, without reduction of previous retainage, no further retainage will be withheld.

§ 11.1.8.3 Except as set forth in this Section 11.1.8.3, upon Substantial Completion of the Work, the Construction Manager may submit an Application for Payment that includes the retainage withheld from prior Applications for Payment pursuant to this Section 11.1.8. The Application for Payment submitted at Substantial Completion shall not include retainage as follows:
(Insert any other conditions for release of retainage, such as upon completion of the Owner's audit and reconciliation, upon Substantial Completion.)

Retainage on work not completed or on the punchlist will not be released until work is completed to Architect's satisfaction

§ 11.1.9 If final completion of the Work is materially delayed through no fault of the Construction Manager, the Owner shall pay the Construction Manager any additional amounts in accordance with Article 9 of AIA Document A201–2017 (as amended).

§ 11.1.10 Except with the Owner's prior written approval, the Construction Manager shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

§ 11.1.11 [Intentionally Omitted]

§ 11.1.12 In taking action on the Construction Manager's Applications for Payment the Architect shall be entitled to rely on the accuracy and completeness of the information furnished by the Construction Manager, and such action shall not be deemed to be a representation that (1) the Architect has made a detailed examination, audit, or arithmetic verification, of the documentation submitted in accordance with Section 11.1.4 or other supporting data; (2) that the Architect has made exhaustive or continuous on-site inspections; or (3) that the Architect has made examinations to ascertain how or for what purposes- the Construction Manager has used amounts previously paid on account of the Contract. Such examinations, audits, and verifications, if required by the Owner, will be performed by the Owner's auditors acting in the sole interest of the Owner.

§ 11.1.13 The receipt by Construction Manager of a partial payment of any amount due to Construction Manager endorsed as payment in full will be deemed to be a part payment only, and any endorsements or statements on a check or other form of commercial paper, or any other document accompanying the payment, shall not be deemed an accord and/or satisfaction, notwithstanding such endorsements.

§ 11.2 Final Payment
§ 11.2.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Construction Manager when

.1 the Construction Manager has fully performed the Contract, except for the Construction Manager's responsibility to correct Work as provided in Article 12 of AIA Document A201–2017 (as amended);
.2 the Construction Manager has submitted a final accounting for the Cost of the Work and a final Application for Payment; and

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.3 a final Certificate for Payment has been issued by the Architect in accordance with Section 11.2.2.2.

§ 11.2.2 Within 30 days of the Owner's receipt of the Construction Manager's final accounting for the Cost of the Work, the Owner shall conduct an audit of the Cost of the Work or notify the Architect that it will not conduct an audit.

§ 11.2.2.1 If the Owner conducts an audit of the Cost of the Work, the Owner shall, within 10 days after completion of the audit, submit a written report based upon the auditors' findings to the Architect.

§ 11.2.2.2 Within seven days after receipt of the written report described in Section 11.2.2.1, or receipt of notice that the Owner will not conduct an audit, and provided that the other conditions of Section 11.2.1 have been met, the Architect will either issue to the Owner a final Certificate for Payment with a copy to the Construction Manager, or notify the Construction Manager and Owner in writing of the Architect's reasons for withholding a certificate as provided in Article 9 of AIA Document A201–2017 (as amended). The time periods stated in this Section 11.2.2 supersede those stated in Article 9 of AIA Document A201–2017 (as amended). The Architect is not responsible for verifying the accuracy of the Construction Manager's final accounting.

§ 11.2.2.3 [Intentionally Omitted]

§ 11.2.3 The Owner's final payment to the Construction Manager shall be made no later than 30 days after the issuance of the Architect's final Certificate for Payment, or as follows:

§ 11.2.4 If, subsequent to final payment, and at the Owner's request, the Construction Manager incurs costs, described in Sections 7.1 through 7.7, and not excluded by Section 7.9, to correct defective or nonconforming Work, the Owner shall reimburse the Construction Manager for such costs, and the Construction Manager's Fee applicable thereto, on the same basis as if such costs had been incurred prior to final payment, but not in excess of the Guaranteed Maximum Price. If adjustments to the Contract Sum are provided for in Section 6.1.7, the amount of those adjustments shall be recalculated, taking into account any reimbursements made pursuant to this Section 11.2.4 in determining the net amount to be paid by the Owner to the Construction Manager.

§ 11.3 Interest

Payments are due and payable within 30 days of presentation of the Construction Manager's invoice. Payments due and unpaid shall bear interest from the date payment is due at the rate
(Paragraphs deleted)
of 12% per annum or the maximum rate allowed by applicable law, whichever is less.

ARTICLE 12 DISPUTE RESOLUTION

§ 12.1 Initial Decision Maker

§ 12.1.1 Any Claim between the Owner and Construction Manager shall be resolved in accordance with the provisions set forth in this Article 12 and Article 15 of A201–2017 (as amended). However, for Claims arising from or relating to the Construction Manager's Preconstruction Phase services, no decision by the Initial Decision Maker shall be required as a condition precedent to mediation or binding dispute resolution.

§ 12.1.2
(Paragraphs deleted)
[Intentionally Omitted]

§ 12.2 Binding Dispute Resolution

For any Claim subject to, but not resolved by mediation pursuant to Article 15 of AIA Document A201–2017 (as amended), the method of binding dispute resolution shall be as follows:
(Check the appropriate box.)

[X] Arbitration pursuant to Article 15 of AIA Document A201–2017 (as amended)

[ ] Litigation in a court of competent jurisdiction

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[ ] Other: *(Specify)*

If the Owner and Construction Manager do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, Claims will be resolved by litigation in a court of competent jurisdiction.

ARTICLE 13 TERMINATION OR SUSPENSION

§ 13.1 Termination Prior to Execution of the Guaranteed Maximum Price Amendment

§ 13.1.1 If the Owner and the Construction Manager do not reach an agreement on the Guaranteed Maximum Price, the Owner may terminate this Agreement upon not less than seven days' written notice to the Construction Manager, and the Construction Manager may terminate this Agreement, upon not less than seven days' written notice to the Owner.

§ 13.1.2 In the event of termination of this Agreement pursuant to Section 13.1.1, the Construction Manager shall be compensated for Preconstruction Phase services and Work performed prior to receipt of a notice of termination, in accordance with the terms of this Agreement. In no event shall the Construction Manager's compensation under this Section exceed the compensation set forth in Section 5.1.

§ 13.1.3 Prior to the execution of the Guaranteed Maximum Price Amendment, the Owner may terminate this Agreement upon not less than seven days' written notice to the Construction Manager for the Owner's convenience and without cause, and the Construction Manager may terminate this Agreement, upon not less than seven days' written notice to the Owner, for the reasons set forth in Article 14 of A201–2017 (as amended).

§ 13.1.4 In the event of termination of this Agreement pursuant to Section 13.1.3, the Construction Manager shall be equitably compensated for Preconstruction Phase services and Work performed prior to receipt of a notice of termination. In no event shall the Construction Manager's compensation under this Section exceed the compensation set forth in Section 5.1.

§ 13.1.5 If the Owner terminates the Contract pursuant to Section 13.1.3 after the commencement of the Construction Phase but prior to the execution of the Guaranteed Maximum Price Amendment, the Owner shall pay to the Construction Manager an amount calculated as follows, which amount shall be in addition to any compensation paid to the Construction Manager under Section 13.1.4:

.1 Take the Cost of the Work incurred by the Construction Manager to the date of termination;

.2 Add the Construction Manager's Fee computed upon the Cost of the Work to the date of termination at the rate stated in Section 6.1 or, if the Construction Manager's Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum Fee as the Cost of the Work at the time of termination bears to a reasonable estimate of the probable Cost of the Work upon its completion; and

.3 Subtract the aggregate of previous payments made by the Owner for Construction Phase services.

§ 13.1.6 The Owner shall also pay the Construction Manager fair compensation, either by purchase or rental at the election of the Owner, for any equipment owned by the Construction Manager that the Owner elects to retain and that is not otherwise included in the Cost of the Work. To the extent that the Owner elects to take legal assignment of subcontracts and purchase orders (including rental agreements), the Construction Manager shall execute and deliver all such papers and take all such steps, including the legal assignment of such subcontracts and other contractual rights of the Construction Manager, as the Owner may require for the purpose of fully vesting in the Owner the rights and benefits of the Construction Manager under such subcontracts or purchase orders.

§ 13.1.6.1 If the Owner accepts assignment of subcontracts, purchase orders or rental agreements as described above, the Owner will reimburse or indemnify the Construction Manager for all costs arising under the subcontract, purchase order or rental agreement, if those costs would have been reimbursable as Cost of the Work if the contract had not been terminated. If the Owner chooses not to accept assignment of any subcontract, purchase order or rental agreement that would have constituted a Cost of the Work had this agreement not been terminated, the Construction Manager will terminate the subcontract, purchase order or rental agreement and the Owner will pay the Construction Manager the costs necessarily incurred by the Construction Manager because of such termination.

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§ 13.2 Termination or Suspension Following Execution of the Guaranteed Maximum Price Amendment
§ 13.2.1 Termination
The Contract may be terminated by the Owner or the Construction Manager as provided in Article 14 of AIA Document A201–2017 (as amended).

§ 13.2.2 Termination by the Owner for Cause
§ 13.2.2.1 If the Owner terminates the Contract for cause as provided in Article 14 of AIA Document A201–2017 (as amended), the amount, if any, to be paid to the Construction Manager under Article 14 of AIA Document A201–2017 (as amended) shall not cause the Guaranteed Maximum Price to be exceeded, nor shall it exceed an amount calculated as follows:

.1 Take the Cost of the Work incurred by the Construction Manager to the date of termination;
.2 Add the Construction Manager's Fee, computed upon the Cost of the Work to the date of termination at the rate stated in Section 6.1 or, if the Construction Manager' Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum Fee as the Cost of the Work at the time of termination bears to a reasonable estimate of the probable Cost of the Work upon its completion;
.3 Subtract the aggregate of previous payments made by the Owner; and
.4 Subtract the costs and damages incurred, or to be incurred, by the Owner under Article 14 of AIA Document A201–2017 (as amended).

§ 13.2.2.2 The Owner shall also pay the Construction Manager fair compensation, either by purchase or rental at the election of the Owner, for any equipment owned by the Construction Manager that the Owner elects to retain with the consent of Construction Manager and that is not otherwise included in the Cost of the Work.. To the extent that the Owner elects to take legal assignment of subcontracts and purchase orders (including rental agreements), the Construction Manager shall execute and deliver all such papers and take all such steps, including the legal assignment of such subcontracts and other contractual rights of the Construction Manager, as the Owner may require for the purpose of fully vesting in the Owner the rights and benefits of the Construction Manager under such subcontracts or purchase orders.

§ 13.2.3 Termination by the Owner for Convenience
If the Owner terminates the Contract for convenience in accordance with Article 14 of AIA Document A201–2017 (as amended), then the Owner shall pay the Construction Manager a termination fee as follows:
(Insert the amount of or method for determining the fee, if any, payable to the Construction Manager following a termination for the Owner's convenience.)

Price shall not exceed Guaranteed maximum price nor shall it exceed an amount calculated as follows:

1. Take Cost of Work incurred by Construction Manager to the date of termination.
2. Add Construction Manager's fee, computed upon the Cost of Work to the date of termination at a rate stated in Section 6.1.
3. Subtract the aggregate of previous payments made by the Owner.
4. Add 20% of remaining estimated fee.

§ 13.3 Suspension
The Work may be suspended by the Owner as provided in Article 14 of AIA Document A201–2017 (as amended); in such case, the Guaranteed Maximum Price and Contract Time shall be increased as provided in Article 14 of AIA Document A201–2017 (as amended), except that the term "profit" shall be understood to mean the Construction Manager's Fee as described in Sections 6.1 and 6.3.5 of this Agreement.

ARTICLE 14 MISCELLANEOUS PROVISIONS

§ 14.1 Terms in this Agreement shall have the same meaning as those in A201–2017 (as amended). Where reference is made in this Agreement to a provision of AIA Document A201–2017 (as amended) or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

§ 14.2 Successors and Assigns
§ 14.2.1 The Owner and Construction Manager, respectively, bind themselves, their partners, successors, assigns and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 14.2.2 of this Agreement, and in Section 13.2.2 of A201–2017 (as amended), neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

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§ 14.2.2 The Owner may, without consent of the Construction Manager, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Owner shall provide Construction Manager with advance written notice of such assignment. The Construction Manager shall execute all consents reasonably required to facilitate the assignment and acceptable to Construction Manager.

§ 14.3 Insurance and Bonds

§ 14.3.1 Preconstruction Phase

The Construction Manager shall maintain the following insurance for the duration of the Preconstruction Services performed under this Agreement. If any of the requirements set forth below exceed the types and limits the Construction Manager normally maintains, the Owner shall reimburse the Construction Manager for any additional cost.

§ 14.3.1.1 Commercial General Liability with policy limits of Two million dollars ($ 2,000,000) for each occurrence and two million dollars ($ 2,000,000) in the aggregate for bodily injury and property damage.

§ 14.3.1.2 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Construction Manager with policy limits of two million dollars ($ 2,000,000) per accident for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles, along with any other statutorily required automobile coverage.

§ 14.3.1.3 The Construction Manager may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided that such primary and excess or umbrella liability insurance policies result in the same or greater coverage as the coverages required under Sections 14.3.1.1 and 14.3.1.2, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers.

§ 14.3.1.4 Workers' Compensation at statutory limits and Employers Liability with policy limits of one million dollars ($ 1,000,000) each accident for bodily injury, one million dollars ($ 1,000,000) each employee for bodily injury by disease, and one million dollars ($ 1,000,000) policy limit for bodily injury by disease.

§ 14.3.1.5 Professional Liability covering negligent acts, errors and omissions in the performance of professional services, with policy limits of two million dollars ($ 2,000,000) per claim and two million dollars ($ 2,000,000) in the aggregate.

§ 14.3.1.6 Other Insurance

(List below any other insurance coverage to be provided by the Construction Manager and any applicable limits.)

Coverage	Limits

§ 14.3.1.7 Additional Insured Obligations. To the fullest extent permitted by law, the Construction Manager shall cause the primary and excess or umbrella polices for Commercial General Liability and Automobile Liability to include the Owner as an additional insured for claims caused in whole or in part by the Construction Manager's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Owner's insurance policies and shall apply to both ongoing and completed operations.

§ 14.3.1.8 The Construction Manager shall provide certificates of insurance to the Owner that evidence compliance with the requirements in this Section 14.3.1.

§ 14.3.2 Construction Phase

After execution of the Guaranteed Maximum Price Amendment, the Owner and the Construction Manager shall purchase and maintain insurance as set forth in AIA Document A133™–2019, Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price, Exhibit B, Insurance and Bonds, and elsewhere in the Contract Documents.

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§ 14.3.2.1 [Intentionally Omitted]

§ 14.4 Notice in electronic format, pursuant to Article 1 of AIA Document A201–2017 (as amended), may be given in accordance with AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, if completed, or as otherwise set forth below:
(If other than in accordance with AIA Document E203–2013, insert requirements for delivering notice in electronic format such as name, title, and email address of the recipient and whether and how the system will be required to generate a read receipt for the transmission.)

§ 14.5 Other provisions: Construction Manager shall not be required to furnish performance or defects bonds covering performance of the Contract except as required by the PCBA or as permitted by the CM Act and agreed by the Owner and Construction Manager. The Construction Manager shall furnish a payment or fidelity bond covering payment of Contractors, Subcontractors and other obligations arising under the Contract. The Construction manager shall ensure that all bonds required by the Act from Trade contractors and subcontractors be issued as dual obligee bonds in favor of the Owner and the Construction Manager.

§ 14.5.1 Owner acknowledges that Contractor is an independent contractor and the owner has no ownership or control over Contractor, a private entity. Contractor has not agreed to act as a custodian of public records for the Owner subject to the provisions of the Oklahoma Open Records Act. Owner further acknowledges and agrees that certain documents and information provided to Owner pursuant to the terms and conditions of this agreement may place Contactor and Owner at a competitive disadvantage if the information is disclosed by the Owner. 51 Okl. St. § 24A.10. In the event Owner receives a request for disclosure of records under the Oklahoma Open Records Act, or other request for disclosure pursuant to subpoena or other means, Owner shall provide notice of such request to Contractor within twenty-four (24) hours of receipt of the request, subpoena or demand, and shall not disclose such records without Contractor's written consent or unless Owner is ordered to disclose pursuant to court order.

§14.5.2 If Drawings are revised after the Drawings referenced in the Contract, the Owner shall have the Architect re-date all revised sheets and clearly identify all changes by bubble and delta number or other means acceptable to the Construction Manager and Owner. The Owner and Construction Manager acknowledge that it is difficult to determine and implement changes that are not so identified. Regardless if the Contract is amended to incorporate revised Drawings, the Guaranteed Maximum Price and Contract Time are subject to additional equitable adjustments for the cost and time impacts if implementing any changes not so identified.

§ 14.5.3 This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original copy and all of which, when taken together, will be deemed to constitute one and the same agreement or document, and will be effective when counterparts have been signed by each of the parties and delivered to the other parties. Each party agrees that the electronic signatures, whether digital or encrypted, of the parties included in this Agreement are intended to authenticate this writing and to have the same force and effect as manual signatures. Delivery of a copy of this Agreement bearing an original manual or electronic signature, or through the use of electronic signature software, will have the same effect as physical delivery of the paper document bearing an original signature.

§ 14.5.4 Owner and Construction Manager acknowledge and agree that the Guaranteed Maximum Price and Contract Time does not fully account for all cost impacts or schedule impacts (collectively "Impacts") associated with COVID-19, any other virus, disease, epidemic, pandemic, or public health crisis ("Epidemic"). Construction Manager cannot reasonably foresee or carry all necessary costs or contingencies for such Impacts. Therefore, if Construction Manager's work is delayed, suspended, disrupted, or otherwise adversely impacted, directly or indirectly, by an Epidemic, including but not limited to the following impacts: (1) material or equipment supply chain disruptions; (2) illness and related costs; (3) unavailability of labor or increased labor costs, including, but not limited to any labor shortage or increased labor costs resulting from loss of labor productivity, strike, labor force reduction required or created by the CDC or OSHA guidelines, regulations, or governmental order; (4) government orders, closures, changes in the law, or other directives or restrictions that impact the work or the Project site, including without limitation vaccine or testing mandates; or (5) fulfillment of Construction Manager's contractual obligations regarding safety specific to COVID-19, any Epidemic, or both, then Construction Manager shall be entitled to an equitable increase in the Guaranteed Maximum Price and Contract Time for all such Impacts.

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ARTICLE 15 SCOPE OF THE AGREEMENT

§ 15.1 This Agreement represents the entire and integrated agreement between the Owner and the Construction Manager and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both Owner and Construction Manager.

§ 15.2 The following documents comprise the Agreement:

.1 AIA Document A133™–2019, Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price

.2 Exhibit A, Guaranteed Maximum Price Amendment, if executed

.3 AIA Document A133™–2019, Exhibit B, Insurance and Bonds

.4 AIA Document A201™–2017, General Conditions of the Contract for Construction (as amended)

.5 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013 incorporated into this Agreement.)

.6 Other Exhibits:
(Check all boxes that apply.)

[ ] AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, dated as indicated below:
(Insert the date of the E234-2019 incorporated into this Agreement.)

[ ] Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.7 Other documents, if any, listed below:
(List here any additional documents that are intended to form part of the Contract Documents. AIA Document A201–2017 (as amended) provides that the advertisement or invitation to bid, Instructions to Bidders, sample forms, the Construction Manager's bid or proposal, portions of Addenda relating to bidding or proposal requirements, and other information furnished by the Owner in anticipation of receiving bids or proposals, are not part of the Contract Documents unless enumerated in this Agreement. Any such documents should be listed here only if intended to be part of the Contract Documents.)

This Agreement is entered into as of the day and year first written above.

OWNER *(Signature)*	**CONSTRUCTION MANAGER** *(Signature)*
(Printed name and title)	MICHAEL FEAMSTER · PRESIDENT · 06 OCT. 2025 *(Printed name and title)*

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AIA® Document A201® – 2017

General Conditions of the Contract for Construction

for the following PROJECT:
(Name and location or address)

Owasso Public Schools 5th Grade Center
8101 N. 129th E. Ave.
Owasso, Oklahoma 74055

THE OWNER:
(Name, legal status and address)

Owasso Public Schools
1501 N. Ash St.
Owasso, Oklahoma 74055

THE ARCHITECT:
(Name, legal status and address)

GH2 Architects, LLC
320 South Boston Ave.
Tulsa, Oklahoma 74103

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ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503™, Guide for Supplementary Conditions.

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ARTICLE 1 GENERAL PROVISIONS

§ 1.1 Basic Definitions

§ 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive or (4) a written order for a minor change in the Work issued by the Architect. Unless specifically excluded in the Agreement, the Contract Documents include other documents such as the advertisement or invitation to bid, Instructions to Bidders, Contractors Bid Manual, schedules, sample forms, other information furnished by the Owner or Contractor in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding requirements.

§ 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties. Likewise, the Contractor shall be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of Contractor's duties.

§ 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

§ 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

§ 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

§ 1.1.6 The Specifications

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

§ 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

§ 1.1.8 Initial Decision Maker

[Intentionally Omitted]

§ 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

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§ 1.2.1.1 The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.3 Capitalization

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

§ 1.4 Interpretation

In the interest of brevity, the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.5.1 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.6 Notice

§ 1.6.1 Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

§ 1.6.2 Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative or officer of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

§ 1.7 Digital Data Use and Transmission

If the parties intend to transmit Instruments of Service or any other information or documentation in digital form, they shall endeavor to establish necessary protocols governing such transmissions, unless otherwise already provided in the Agreement or the Contract Documents.

§ 1.8 Building Information Models Use and Reliance

Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees. Any agreement to such protocols shall be included in the

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Contract Documents as "BIM Addendum," or other agreed designation. The Owner shall cause an identical version of the BIM Addendum, if any, to be appended or incorporated into all written agreements between the Owner and any design professional performing obligations to be modeled.

§ 1.9 Order of Precedence

§ 1.9.1 In case of conflicts between the drawings and specifications, the specifications shall govern. In any case of the omissions or errors in figures, drawings or specifications, the Contractor shall immediately submit the matter to the Architect for clarification. The Architect's clarifications are final and binding on all parties, subject to an equitable adjustment in Contract Time or Price pursuant to Articles 7 and 8 or claims and disputes in accordance with Article 15.

§ 1.9.2 Where figures are given, they shall be preferred to scaled dimensions.

§ 1.9.3 Any terms that have well-known technical or trade meanings, unless otherwise specifically defined in the Contract Documents, shall be interpreted in accordance with the well-known meanings.

§ 1.9.4 In case of any inconsistency, conflict or ambiguity among the Contract Documents, the documents shall govern in the following order:

a. Change order and written Modifications to this Agreement
b. this Agreement
c. drawings (large scale governing over small scale)
d. approved submittals
e. information furnished by the Owner
f. other documents listed in the Agreement (Among categories of documents having the same order of precedence, the term or provision that includes the most recent date shall control).

ARTICLE 2 OWNER

§ 2.1 General

§ 2.1.1 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

§ 2.1.2 The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

§ 2.1.3 For projects located in the State of Missouri, the following required statutory notice is provided:
NOTICE TO OWNER
FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSMO. TO AVOID THIS RESULT, YOU MAY ASK THIS CONTRACTOR FOR "LIEN WAIVERS" FROM ALL PERSONS SUPPLYING MATERIAL OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOUR PAYING FOR LABOR AND MATERIAL TWICE.

§ 2.2 Evidence of the Owner's Financial Arrangements

§ 2.2.1 Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence satisfactory to Contractor that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

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§ 2.2.2 Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence satisfactory to Contractor that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence within fourteen (14) days of the Contractor's request, the Contract may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start up, plus interest as provided in the Contract Documents.

§ 2.2.3 After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

§ 2.2.4 Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

§ 2.3 Information and Services Required of the Owner

§ 2.3.1 Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

§ 2.3.2 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 2.3.3 If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

§ 2.3.4 The Owner shall, before the Schematic Design budgeting phase, furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work. If, after establishing the Contract Sum, Owner provides such information to Contractor, and the information necessitates an increase in the Contract Sum or Time, the Owner shall provide for increase.

§ 2.3.5 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness and, in any event, within seven (7) days of Contractor's request, so as not to delay or hinder the progress of the Work. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work within seven (7) days after receiving the Contractor's written request for such information or services.

§ 2.3.6 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one hard copy and one electronic copy of the Contract Documents for purposes of bidding pursuant to Section 1.5.2. Prior to commencement of the Work, and to the extent available, Owner shall furnish the Contractor any electronic drawings (.dwg, .dxf, .ifc, .rvt. .nwd or others as appropriate) that will enable, but not require, Contractor to build an electronic model of the Project.

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§ 2.4 Owner's Right to Stop the Work

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3.

§ 2.5 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of written notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect and the Architect may, pursuant to Section 9.5.1, withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15.

ARTICLE 3 CONTRACTOR

§ 3.1 General

§ 3.1.1 The Contractor, whether referred to as Construction Manager, General Contractor or Contractor within this and related Contract Documents, is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

§ 3.1.2 The Contractor shall perform the Work in accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor. The Contractor can rely on written instructions/directions/interpretations of the Architect as well as the Owner's testing firm in performing its Work.

§ 3.1.4 The Owner hereby agrees that Contractor shall not be liable or responsible in any manner whatsoever for any claims, damages, expenses, costs, errors or omissions arising out of the professional services performed by the Architect or other design professionals, whether through indemnity or otherwise. The Owner's sole recourse shall be against the Architect, or other design professionals performing such professional services, and any insurance procured by the Architect.

To the extent that the Owner requires, or the Contractor otherwise provides, any incidental services, construction consulting, or value engineering, the Owner acknowledges that such services are advisory and are not professional design services. The Owner shall, with due diligence, refer such questions, matters and inquiries to the design professionals, and the Contractor shall have no liability to the Owner or to the Architect or its consultants for such services required by the Owner and rendered hereunder.

§ 3.2 Review of Contract Documents and Field Conditions by Contractor

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully review the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions (if practical

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without destructive inspections) related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by Contractor. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional.

§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by the Contractor as a request for information in such form as the Architect may require.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 3.3 Supervision and Construction Procedures

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. Unless otherwise required by the Construction Documents, the Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures but Contractor shall not be held responsible for any loss or damage to the Work or adjacent property caused by the means methods, techniques, sequences, or procedures required by the Contract Documents. If the Contractor determines that such means, methods, techniques, sequences or procedures required by the Contract Documents may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors. This provision shall in no way be construed as creating any rights or obligations to third parties.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.4 Labor and Materials

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 3.4.2 Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or other written approval.

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§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.5 Warranty

§ 3.5.1 The Contractor warrants to the Owner that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality or type required or permitted by the Contract Documents. Work, materials or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by construction by the Owner and by Separate Contractors, abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.5.2 All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

(Paragraphs deleted)

§ 3.7 Permits, Fees, Notices and Compliance with Laws

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded. ("Legal Obligations"). In the event that Contractor may be adversely impacted by any change to, or increase of, Legal Obligations (as well as any additional health and safety practices required in order to comply with existing Legal Obligations), the Contract Time shall be extended appropriately, and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs, plus reasonable overhead and profit thereon. The Contract Sum and Contract Time are based upon a mutual expectation that reasonable positions will be taken by federal, state, or local inspectors and officials ("Authorities"), and that such Authorities shall act with reasonable promptness and diligence regarding issuance of permits, approvals, certificates of occupancy, and in interpreting applicable codes and standards. Contractor shall be entitled to a change order adjusting the Contract Sum and Contract Time for any impact resulting from a deviation.

§ 3.7.2 Without assuming any design responsibilities, the Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 It is not the Contractor's responsibility to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations. However, if the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall, upon discovery, notify the Architect in writing, and necessary changes shall be accomplished by appropriate Modifications. If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.7.4 Concealed or Unknown Conditions

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature, that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed, if possible, and in no event later than 21 days after first observance of the conditions. The Architect will promptly investigate such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, shall be entitled to equitable adjustment in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall

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promptly notify the Owner and Contractor in writing, stating the reasons. If either party disputes the Architect's determination or recommendation, that party may proceed as provided in Article 15.

§ 3.7.5 If, in the course of the Work, the Contractor knowingly encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence or good faith belief of such existence of such remains or features may be made as provided in Article 15.

§ 3.8 Allowances

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

- **.1** allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts as well as the labor costs of performing the Work when made part of the allowance line item within the Schedule of Values;
- **.2** unless excluded in 3.8.2.1 above, Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and
- **.3** whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

§ 3.8.3 Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness to avoid delay in the Work.

§ 3.9 Superintendent

§ 3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor. Important communications shall be confirmed in writing. Other communications shall be similarly confirmed on written request in each case.

(Paragraph deleted)

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall inform the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or Architect (1) has reasonable objection to the proposed superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14 day period shall constitute notice of no reasonable objection.

§ 3.9.3 The Contractor shall not employ a proposed superintendent to whom the Owner has made reasonable and timely objection. The Contractor shall not change the superintendent without informing the Owner.

§ 3.10 Contractor's Construction and Submittal Schedules

§ 3.10.1 The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised by Contractor at appropriate intervals in its discretion and without prior notice as required by the conditions of the Work and Project.

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§ 3.10.2 The Contractor shall prepare and keep current a schedule of submittals that is coordinated with the Contractor's construction schedule and which allows the Architect reasonable time to review submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect. When changes do not affect the Substantial Completion date, they may be made at Contractor's discretion.

§ 3.11 Documents and Samples at the Site

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Owner or, if directed, to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

§ 3.12 Shop Drawings, Product Data and Samples

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so and (3) checked the information contained within such submittals with the requirements of the Work and of the Contract Documents. The Contractor, in making this representation, is relying on the Architect to have fully coordinated the design drawings.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

§ 3.12.8 The Work shall be in accordance with approved submittals.

§ 3.12.9 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

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§ 3.12.10 The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

§ 3.12.10.1 If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 3.12.10.2 If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Contract Documents.

§ 3.13 Use of Site

The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

§ 3.14 Cutting and Patching

§ 3.14.1 The Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

§ 3.15 Cleaning Up

§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project resulting from Contractor's Work.

§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so upon seventy-two (72) hours advance written notice to Contractor, and the Owner shall be entitled to reimbursement of reasonable costs from the Contractor.

§ 3.16 Access to Work

The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

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§ 3.17 Royalties, Patents and Copyrights

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner harmless from loss on account thereof, but shall not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by the Contractor, and that infringement or violation relates to copyright or patent rights within the Contract Documents, the Contractor shall promptly notify the Architect and the Owner and shall not be responsible for such infringement or violation(s).

§ 3.18 Indemnification

§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, except to the extent such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

§ 3.18.2 In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

§ 3.18.3 The obligations of the Contractor shall not extend to the liability of the Architect, the Architect's consultants, and agents and employees of any of them, including but not limited to any liability arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications or (2) the giving of or the failure to give directions or instructions by the Architect, the Architect's consultants and agents and employees of any of them.

ARTICLE 4 ARCHITECT

§ 4.1 General

§ 4.1.1 The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.

§ 4.1.2 Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

§ 4.2 Administration of the Contract

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work .

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner and Contractor (1) known deviations

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from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 Communications

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

§ 4.2.5 Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

§ 4.2.6 The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 4.2.7 The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken with such reasonable promptness as to cause no delay in the Work or in the activities of the Owner, Contractor or separate contractors while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5 and 3.12. The Architect's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Architect, of any construction means, methods, techniques, sequences or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 4.2.8 The Architect will prepare Change Orders and Construction Change Directives and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

§ 4.2.9 The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor in writing of any change in the duties, responsibilities and limitations of authority of the Project representatives.

§ 4.2.11 The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness; however, delivery of such interpretation shall not be extended to cause the Contractor delay in the Work.

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§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith, except to the extent such interpretations or decisions result from professional negligence, errors, omissions, willful neglect or misconduct.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness, and delivery of such interpretation shall not be extended to cause the Contractor delay in the Work or cause the Work to be performed out of sequence. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

ARTICLE 5 SUBCONTRACTORS

§ 5.1 Definitions

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

§ 5.2.1 Unless otherwise stated in the Contract Documents or the bidding requirements, the Contractor, as soon as practicable after award of the Contract, shall inform the Owner through the Architect the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. Within 14 days of receipt of such information, the Architect may reply to the Contractor in writing stating whether the Owner or the Architect(1) has reasonable objection to any proposed person or entity or (2) requires additional time for review. Failure of the Owner or Architect to reply within the 14 day period shall constitute notice of no reasonable objection.

§ 5.2.2 The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

§ 5.2.3 If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection. If, in the opinion of the Contractor, the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time may be allowed for such change if the Contractor did not act promptly and responsively in submitting names as required.

§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

§ 5.3 Subcontractual Relations

By appropriate agreement, written where legally required for validity, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work, that the Contractor, by these Contract Documents, assumes toward the Owner. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract

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Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

§ 5.4 Contingent Assignment of Subcontracts

§ 5.4.1 Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

.1 assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor in writing; and

.2 assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 6.1.1 The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation. To the extent the Owner chooses to perform construction or operations related to the Project, or to award separate contracts in connection with other portions of the Project or other construction or operations on the site, the Owner shall be required to secure a separate permit for that Work, if required by the authority having jurisdiction. Regardless, the Owner shall ensure that the Contractor is listed as an additional insured on the Separate Contractor's general liability and excess liability policy. Further, the Owner agrees to defend, indemnify and hold harmless the Contractor from any claims made against the Contractor resulting from damage to property (other than the Work) or injury to, or death of, persons in or about the Project caused by, arising out of or in connection with the construction, services, labor, materials, and equipment which have been performed, provided or supplied to the Project by the Owner or its Separate Contractor. If the Contractor claims that delay or additional cost is involved because of performance of construction or operations of Separate Contractors, of such action by the Owner or its Separate Contractors, the Contractor shall make such Claim as provided in Article 15.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement and shall be granted any necessary extensions to the deadline for Substantial Completion necessitated by revisions to the Contractor's construction schedule caused by other work. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

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§ 6.1.4 Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

§ 6.2 Mutual Responsibility

§ 6.2.1 The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of known discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to inform the Architect of known discrepancies or defects prior to proceeding with the Work may constitute an acknowledgement that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are unknown.

§ 6.2.3 The Contractor shall reimburse the Owner for reasonable costs the Owner incurs that are payable to a Separate Contractor to the extent caused by Contractor's inexcusable delays or defective construction. The Owner shall be responsible to the Contractor for reasonable costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.
The Owner or its Separate Contractors shall promptly remedy damage that the Owner or its Separate Contractor cause to the Contractor's completed or partially completed construction.

§ 6.2.5 The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

§ 6.3 Owner's Right to Clean Up

If a dispute arises among the Contractor, Separate Contractors and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner, after notifying responsible party(s) by written notice and allowing the responsible party(s) to resolve this issue, may clean up and the Architect will allocate the cost among those responsible.

ARTICLE 7 CHANGES IN THE WORK

§ 7.1 General

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

§ 7.1.2 A Change Order shall be based upon agreement among the Owner or Architect and the Contractor. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

§ 7.2 Change Orders

§ 7.2.1 A Change Order is a written instrument prepared by the Architect or Contractor and signed by the Owner, Contractor and Architect stating their agreement upon all of the following:

.1 The change in the Work;

.2 The amount of the adjustment, if any, in the Contract Sum; and

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.3 The extent of the adjustment, if any, in the Contract Time.

§ 7.3 Construction Change Directives

§ 7.3.1 A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

.1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

.2 Unit prices stated in the Contract Documents or subsequently agreed upon;

.3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or

.4 As provided in Section 7.3.4.

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

.1 Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;

.2 Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;

.3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;

.4 Costs of premiums for all bonds and insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and

.5 Costs of supervision and field office personnel directly attributable to the change.

§ 7.3.5 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 7.3.8 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The

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Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

§ 7.3.10 When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

§ 7.4 Minor Changes in the Work

The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. The Architect's order for minor changes shall be in writing and approved by the Owner. If the Contractor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time. Notwithstanding, in the event the Architect has issued multiple Additional Supplementary Instructions that, in the aggregate, result in the changes justifying an adjustment in Contract Sum or extension of the Contract Time, Contractor shall be entitled to submit a request for an equitable adjustment.

ARTICLE 8 TIME

§ 8.1 Definitions

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement. Date of Commencement shall not be earlier than the date upon which all necessary permits are procured that would allow the Contractor to initiate and continue the Work and a written notice to proceed is received by the Contractor.

§ 8.1.3 The date of Substantial Completion is the date established under Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 Progress and Completion

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

§ 8.2.3 The Contractor shall use commercially reasonable efforts to achieve Substantial Completion within the Contract Time.

§ 8.3 Delays and Extensions of Time

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor shortages and/or disputes, fire, unusual delay in deliveries, transportation delays not within the Contractor's control, unavailability of suitable materials, riots, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, epidemics, pandemic, or other designated health emergency, or other causes beyond the Contractor's control; (4) disruptions in labor or materials supply resulting from a public health crisis regardless of whether an infectious disease, epidemic, pandemic or isolated to areas from which such labor and materials are supplied; (5) by adverse government actions, including without limitation embargoes and tariffs; (6) quarantine restrictions or government vaccine mandates; (7) by delay authorized by the Owner pending mediation and binding dispute resolution; or (8) by other causes that the Contractor asserts, and the Architect determines, justify

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delay, then the Contract Sum shall be adjusted and the Contract Time shall be extended by Change Order for such reasonable time, and amounts as arise out of or relate to such cause.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

ARTICLE 9 PAYMENTS AND COMPLETION

§ 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

§ 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

§ 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner requires, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay. This provision does not prohibit Contractor from withholding payments to Subcontractors or suppliers pursuant to a provision or its agreements with such Subcontractors and suppliers providing for such withholding.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location provided that stored materials are properly insured. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage and transportation to the site for such materials and equipment stored off the site.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or

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encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

§ 9.4 Certificates for Payment

§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 9.5 Decisions to Withhold Certification

§ 9.5.1 The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner and notify the Contractor in writing of the particular reasons why such representations to the Owner cannot be made as to the remaining amount. The Architect may also withhold a Certificate for Payment to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- **.1** defective Work not remedied;
- **.2** third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor, provided such claims are not due to Owner's failure to pay Contractor;
- **.3** failure of the Contractor to make payments properly to Subcontractors in accordance with the terms of the applicable subcontracts, or for properly performed/delivered, labor, materials or equipment;
- **.4** reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- **.5** damage to the Owner or a Separate Contractor;
- **.6** reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- **.7** repeated failure to carry out the Work in accordance with the Contract Documents.

However, in no event shall the Architect refuse to certify or shall the Owner withhold payment of an amount greater than that which is sufficient to pay the direct expenses the Owner reasonably expects to incur to correct any of the above reasons set forth by the Architect for withholding certification.

§ 9.5.2 When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

§ 9.5.3 When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

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(Paragraph deleted)

§ 9.5.4 If the Architect properly withholds certification for payment under Section 9.5.1.3, the Owner may, upon providing ten (10) days' prior written notice to Contractor, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to properly make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Contractor agrees to reflect such payment on its next Application for Payment.

§ 9.6 Progress Payments

§ 9.6.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

§ 9.6.2 The Contractor shall pay each Subcontractor no later than ten days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

§ 9.6.3 *[Intentionally Omitted]*

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within fourteen days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

§ 9.7 Failure of Payment

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within fourteen days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the Architect or awarded by binding dispute resolution, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received, or terminate the Contract. In the event the Work is stopped, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents. If the Contractor terminates the Contract, Owner shall pay Contractor for Work executed and for incurred costs related to materials, equipment, tools and construction equipment and machinery, including reasonable overhead, profit and damages.

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§ 9.7.1 Upon execution of the Agreement, Contractor shall provide Owner with written payment instructions and all necessary forms required by Owner to effectuate payments to Contractor by wire transfer (the "Payment Information"). Contractor shall submit the initial Payment information to Owner by certified mail or hand delivery only. If Owner receives a request to change such Payment Information, Owner agrees that it will not modify or make change to this Payment Information without oral communication, followed by written confirmation, from Contractor's Controller. Owner shall make no changes to the Payment Information if it does not receive the oral and written confirmations as stated herein. If Owner makes any change to the Payment Information without first receiving the confirmations stated herein, it shall be solely responsible for any monies lost or stolen and not paid to Contractor as required under the terms of this Agreement.

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use. Substantial Completion will be achieved by Contractor when the last of the following occurs:

.1 custody and control of the Work (or designated portion of the Work) is provided to the Owner ; and

.2 inspections and approvals from government agencies required by the Work (or designated portion of the Work) have been completed and a certificate of occupancy, whether temporary or final, for the Work (or designated portion of the Work) has been issued;

If the Work (or designated portion of the Work) includes installation of items furnished by the Owner, completion of such installation will be considered punch list work and will not delay designation of Work as Substantially Complete.

§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Architect's inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, property insurance, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion. Unless otherwise agreed in writing, the Owner shall become responsible for building security, property insurance, and for payment of all utilities associated with the Work upon Substantial Completion.

§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.

§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance,

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heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld, provided if Contractor is delayed at any time in the progress or completion of the Work, or if Contractor's work is made more costly, by any cause or condition arising directly or indirectly from such partial occupancy or use, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs, plus reasonable overhead and profit thereon. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect. At the time Owner takes partial occupancy or use, the Owner shall reduce retainage proportionately.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents. Owner shall indemnify, defend, and hold Contractor harmless from any and all damages, losses, claims and expenses, including attorneys' fees arising out of or related to such partial occupancy or use, including, but not limited to claims for property damage and bodily injury.

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled. In no event shall the Architect unreasonably withhold the final Certificate for Payment.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied or will be promptly made upon receipt of final payment from the Owner, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties as required by the Contract Documents, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner has been compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor (including, but not limited to any cause identified in §8.3 above) or by issuance of Change Orders affecting final completion, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

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§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

.1 liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
.2 failure of the Work to comply with the requirements of the Contract Documents;
.3 terms of special warranties required by the Contract Documents; or
.4 audits performed by the Owner, if permitted by the Contract Documents, after final payment.

§ 9.10.5 Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 Safety Precautions and Programs

The Contractor and its Subcontractors shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Contractor and its Subcontractors shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

.1 employees on the Work and other persons who may be affected thereby;
.2 the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
.3 other property at the site, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

§ 10.2.2 The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

§ 10.2.3 The Contractor and its Subcontractors shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor and its Subcontractors shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 negligently caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

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§ 10.2.8 Injury or Damage to Person or Property

If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

§ 10.3 Hazardous Materials and Substances

§ 10.3.1 Without accepting any responsibility or liability for the remediation of hazardous materials that exist on or contiguous to the Project site as of the date of the Agreement, the Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable property damage, bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

§ 10.3.2 Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. The Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up.

§ 10.3.3 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances. Unless required by the Contract Documents, the Contractor shall not be required to perform without its consent any Work relating to a hazardous material or substance, provided that such Contractor consent shall not be unreasonably withheld.

§ 10.3.5 The Contractor shall reimburse the Owner for the reasonable cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to requirements of the Contract Documents or the Owner's fault or negligence.

§ 10.3.6 If, without negligence on the part of the Contractor, the Contractor is held liable for the reasonable cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.

§ 10.3.7 Unless required by the Contract Documents, the Contractor shall not be required to perform, without consent, any Work relating to mold, asbestos or polychlorinated biphenyl ("PCB"). The Contractor shall perform no work involving toxic, contaminant, contaminated or hazardous material of any type, which removal or responsibility to render harmless is the Owner's obligation.

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§ 10.4 Emergencies

In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

ARTICLE 11 INSURANCE AND BONDS

§ 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance. Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

§11.1.5 Contractor may use a traditional insurance process, or it can use a Controlled Contractor Insurance Program ("CCIP").

§ 11.2 Owner's Insurance

§ 11.2.1 The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.

§ 11.2.2 Failure to Purchase Required Property Insurance. If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. The cost of the Contractor-procured property insurance shall be charged to the Owner by a Change Order. When the failure to provide coverage has been cured or resolved by the Contractor or by the Owner, the Contract Sum and Contract Time shall be equitably adjusted. If the Owner does not provide written notice to the Contractor of the Owner's failure to procure the required property insurance with all of the coverages and in the amounts described in the Contract Documents, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain such insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto. In the event the Owner fails to procure coverage the required property insurance with all of the coverages and in the amounts described in the Contract Documents, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner with respect to damage to the Work, furnishings, fixtures, equipment, and materials intended to be incorporated into the permanent structure, and consequential damages stemming therefrom..

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§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance. Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide written notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

§ 11.3 Waivers of Subrogation

§ 11.3.1 The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by and paid for by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property. This waiver of subrogation does not apply to rights or claims that Contractor has or may have against its own subcontractors, sub-subcontractors, agents, or employees.

§ 11.3.2 If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance

The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, the inability to conduct normal operations, or delay in completion due to fire or other causes of loss. The Owner waives all rights of action against the Contractor, Subcontractors, Sub-subcontractors, Separate Contractors, and Architect and Architect's consultants for loss of use of the Owner's property, the inability to conduct normal operations, or delay in completion, due to fire or other hazards however caused.

§11.5 Adjustment and Settlement of Insured Loss

§ 11.5.1 A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

§ 11.5.2 Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of written notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the

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proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.

ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

§ 12.1 Uncovering of Work

§ 12.1.1 If a portion of the Work is covered contrary to the Architect's written request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

§ 12.1.2 If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents or contains an acceptable minor change in the Work, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate to compensate Contractor for its actual costs of uncovering and replacing the Work, plus reasonable overhead and profit. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

§ 12.2 Correction of Work

§ 12.2.1 Before Substantial Completion

The Contractor shall promptly correct Work rejected by the Architect for failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections and the cost of uncovering and replacement shall be at the Contractor's expense. In the event Work is uncovered and determined as conforming to the Contract Documents the costs of recovering and replacement, including compensation for Contractor's service and expenses made necessary thereby, shall be at the Owner's expense.

§ 12.2.2 After Substantial Completion

§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of written notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such written notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner, the Owner may correct it in accordance with Section 2.5.

§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work prior to Substantial Completion that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 *[Intentionally Omitted]*

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§ 12.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum may be reduced as appropriate and equitable. Such adjustment shall not be effected if final payment has been made.

ARTICLE 13 MISCELLANEOUS PROVISIONS

§ 13.1 Governing Law

The Contract shall be governed by the law of the State where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.

§ 13.2 Successors and Assigns

§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns and legal representatives to covenants, agreements and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.2.2 The Owner may, with consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment. Contractor shall not be obligated to perform pursuant to the assignment unless or until Owner or Lender has paid Contractor for Work performed prior to the effective date of the assignment.

§ 13.3 Rights and Remedies

§ 13.3.1 Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

§ 13.3.2 No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

§ 13.4 Tests and Inspections

§ 13.4.1 Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require, and Contractor may rely and act upon such test results, inspection reports, and approvals procured by the Owner.

§ 13.4.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

§ 13.4.3 If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's expense.

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§ 13.4.4 Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

§ 13.4.5 If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

§ 13.4.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 13.5 Interest

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

§ 13.6 Severability

If any term or provision of this Contract is invalid, illegal, or unenforceable in any jurisdiction, such invalidity, illegality, or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction.

ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT

§ 14.1 Termination by the Contractor

§ 14.1.1 The Contractor may stop the Work, and may subsequently terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

- **.1** Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
- **.2** An act of government, such as a declaration of national emergency, that requires all Work to be stopped;
- **.3** Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or
- **.4** The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.
- **.5** if the Owner suspends the Work for convenience in accordance with paragraph 14.3 herein; or
- **.6** if Owner is responsible for providing the property insurance coverage required in Exhibit A to the Agreement herein and Contractor becomes aware that Owner did not procure and maintain such coverage.

§ 14.1.2 The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.

§ 14.1.4 If the Work is stopped for a period of 30 consecutive days or 60 cumulative days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

§ 14.2 Termination by the Owner for Cause

§ 14.2.1 The Owner may terminate the Contract if the Contractor

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.1 repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
.2 fails to make an undisputed payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or Suppliers, provided such nonpayment is not due to the Owner's failure to pay Contractor for Work performed;
.3 repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
.4 otherwise is guilty of substantial breach of a provision of the Contract Documents.

§ 14.2.2 When any of the reasons described in Section 14.2.1 exist, and upon certification by the Architect that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, fourteen days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:
.1 Exclude the Contractor from the site and take possession of all materials owned by the Owner;
.2 Accept assignment of subcontracts pursuant to Section 5.4; and
.3 Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor or its surety, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work along with all supporting documentation.

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be certified by the Architect, upon application, and this obligation for payment shall survive termination of the Contract.

§ 14.3 Suspension by the Owner for Convenience

§ 14.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

§ 14.3.2 The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent
.1 that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or
.2 that an equitable adjustment is made or denied under another provision of the Contract.

§ 14.4 Termination by the Owner for Convenience

§ 14.4.1 The Owner may, upon thirty (30) days written notice to the Contractor, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall
.1 cease operations as directed by the Owner in the notice;
.2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and
.3 except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed, materials procured, fabricated, partially fabricated or otherwise purchased for the project whether delivered or not yet delivered to the site and costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and along with reasonable overhead and profit on the Work not executed.

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ARTICLE 15 CLAIMS AND DISPUTES

§ 15.1 Claims

§ 15.1.1 Definition

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents; however, the Owner shall send advance written notice to the Contractor before imposing any liquidated damages.

If the Project is "mixed use", any claims against the Contractor arising under this Agreement shall be brought exclusively by the Owner and Owner shall indemnify and hold harmless the Contractor, Subcontractors, and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from claims brought by a lessee or owner of an apartment or condominium relating in any to the Work. The Owner represents and warrants that for 8 years after the Date of Substantial Completion, the residential portions of the completed Project shall be maintained as apartments and shall not be converted into condominiums.

§ 15.1.2 Time Limits on Claims

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

§ 15.1.3 Notice of Claims

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by written notice to the other party.

§ 15.1.3.2 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by written notice to the other party.

§ 15.1.4 Continuing Contract Performance

§ 15.1.4.1 Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 15.1.4.2 The Contract Sum and Contract Time shall be adjusted in accordance with Article 15.2. The Architect will issue Certificates for Payment pursuant to the agreement of the parties unless the parties are unable to reach an agreement, in which case the procedures set in Articles 15.3 and 15.4 shall apply.

§ 15.1.5 Claims for Additional Cost

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 15.1.5.1 Where the price of labor, material, equipment or energy necessary to perform the Work increases significantly during the term of the Contract, through no fault of the Contractor, the Contract Sum shall be equitably adjusted by Change Order as provided in Section 7 of the General Conditions of the Contract. A significant price increase means a change in price occurring during the period of time between the date of Contract execution to the date of Substantial Completion by an amount exceeding five percent (5%). Such price increases shall be documented by available vendor quotes, estimates, invoices, catalogs, receipts or other documentation. Further, if material or equipment required by the Contract Documents are not available due to shortage or unavailability or if the price to procure such material or equipment increases as set forth in this Section, then an acceptable substitute may be found and an adjustment in the Contract Sum shall be made accordingly.

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§ 15.1.6 Claims for Additional Time

§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

§ 15.1.7 Waiver of Claims for Consequential Damages

(Paragraph deleted)

Neither Contractor nor Owner shall be liable to the other for any consequential losses or damages, whether arising in contract, warranty, tort (including negligence), strict liability or otherwise, including but not limited to losses of use, profits, business, reputation or financing.

(Paragraph deleted)

§ 15.2 DIRECT DISCUSSIONS

§ 15.2 .1 If the Parties cannot reach resolution on a Claim or matter relating to or arising out of the Agreement, the Parties shall endeavor to reach resolution through good faith, face-to-face direct discussions between the Parties' representatives, who shall possess the necessary authority to resolve such matter and who shall record the date of the first discussions. If the dispute remains unresolved after fifteen (15) days from the date of first discussion, the Parties shall endeavor to resolve the dispute by mediation before recourse to binding dispute resolution procedures selected herein. Mediation shall be subject to direct discussions under this Section 15.2.1 as a condition precedent to binding dispute resolution.

(Paragraphs deleted)

§ 15.2.2 *[Intentionally Omitted]*

§ 15.2.3 *[Intentionally Omitted]*

§ 15.2.4 *[Intentionally Omitted]*

§ 15.2.5 *[Intentionally Omitted]*

§ 15.2.6 *[Intentionally Omitted]*

§ 15.2.6.1 *[Intentionally Omitted]*

§ 15.2.6.2 All offers, promises, conduct and statements, whether oral or written, made in the course of the negotiation by any of the parties, their agents, employees, experts and attorneys are confidential, privileged and inadmissible for any purpose, including impeachment, in arbitration or other proceeding involving the parties, provided that evidence that is otherwise admissible or discoverable shall not be rendered inadmissible or non-discoverable as a result of its use in the negotiation.

§ 15.2.7 *[Intentionally Omitted]*

§ 15.2.8 *[Intentionally Omitted]*

§ 15.3 Mediation

§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

§ 15.3.2 If the parties' good faith direct discussions are unsuccessful in resolving any Claims, the parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association, unless otherwise agreed by the parties, in accordance with its

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Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

(Paragraph deleted)
§ 15.3.3 *[Intentionally Omitted]*

§ 15.3.4 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the State and city where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§ 15.4 Arbitration
§ 15.4.1 If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The parties may agree in writing to use an alternative organization and its rules. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

§ 15.4.1.1 A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations under the law of the State where the Project is located as if the Claim had been asserted in a state or federal court. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

§ 15.4.2 The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof. In no event shall the arbitrators be empowered to assess punitive damages, and any punitive damages assessed as part of an award shall not be enforceable under the Agreement.

§ 15.4.3 The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

§ 15.4.3.1 The Parties expressly agree that the Arbitration Rules are modified so that those cases falling under the regular track will result in an award no more than six (6) months from the date of the confirmation of appointment of the arbitrators. In all cases in which less than $1,000,000 in total is at issue, there shall be a sole arbitrator and the Parties shall each have three preemptory strikes in selection of the arbitrator, plus all strikes for cause that can be justified. In all cases in which $1,000,000 or more in total is at issue, there shall be three arbitrators and the Parties shall each have five preemptory strikes plus all strikes for cause that can be justified. The place of mediation and arbitration shall be the county and state in which the Work is performed. The Parties understand and agree that the arbitration award shall be binding upon, and shall include, any and all agents, employees, successors, and assigns of either party to this Contract.

§ 15.4.4 Consolidation or Joinder
§ 15.4.4.1 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to

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be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

§ 15.4.4.2 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

§ 15.4.4.3 The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.

ARTICLE 16 RENOVATIONS OR ADDITIONS TO AN EXISTING STRUCTURE AND TEMPORARY UTILITIES

§ 16.1 Investigation, Analysis, and Testing

§ 16.1.1 The Contractor has not investigated or determined the current conditions of the existing superstructure, building systems and the adequacy of utilities that may impact Contractor's performance of the Work. The cost of correcting any such deficiencies is not included within the GMP.

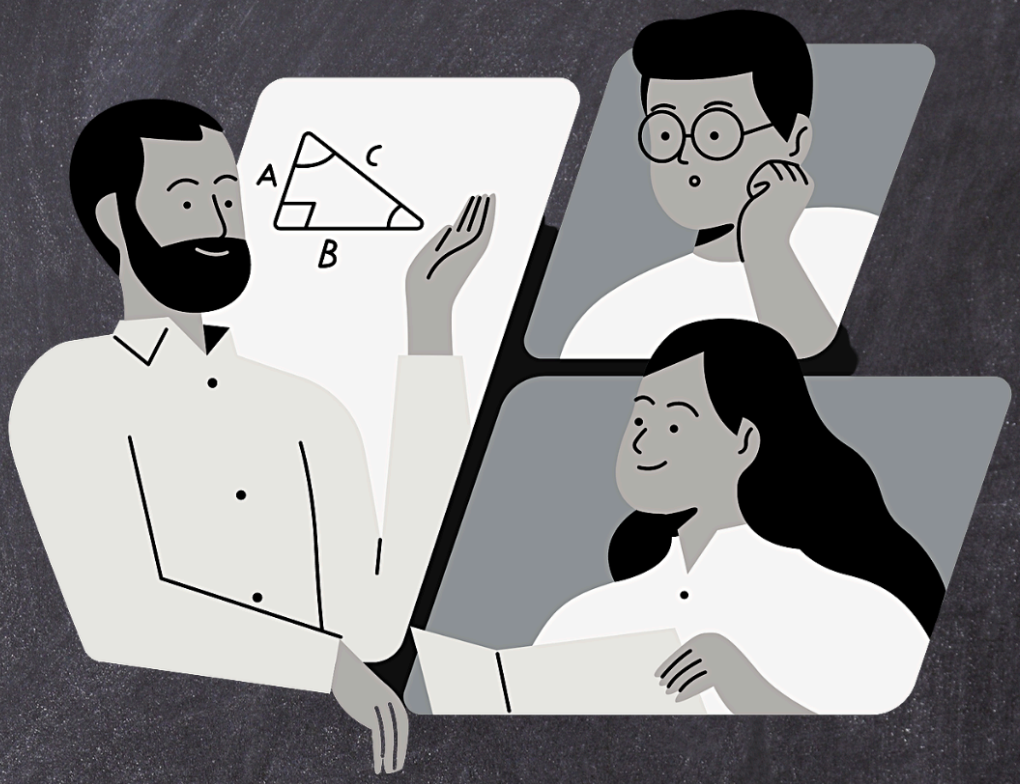
Accepted as of the last date entered below:

OWNER *(Signature)*	**CONTRACTOR** *(Signature)*
(Printed name and title)	PRESIDENT · MICHAEL FRAMSTER *(Printed name and title)*
Dated	06 OCTOBER 2025 **Dated**

NabModel Version 04.21.2025

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Owasso Public Schools



Distance Learning Framework



1501 N. Ash Street | Owasso, OK 74055

Distance Learning Framework

Table of Contents

(Condensed Plan)

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FRAMEWORK: Communication

District Communication
In the event that our school sites are closed, Owasso Public Schools will communicate in a timely manner the dates the closure will begin, the length of the closure, and whether or not we will initiate the Distance Learning Plan. Information will be disseminated using the district's communication tools.

School Site Communication
Principals at each site will continue to communicate with their teachers, students, and families using:

- X (Formerly Twitter), Facebook pages, school website, School Messenger, email, and phone calls
- Google Meet - virtual conferencing and meetings
- Previously scheduled in-person meetings will be held via Google Meet unless otherwise communicated

Teacher Communication
Teachers at each site will continue to communicate with their students and parents during their regular working hours to support student needs using the below technology:

- Google Meet - virtual conferencing and meetings
- Phone, email, Google Classroom, Google Sites, and/or Facebook.
- Previously scheduled in-person meetings will be held via Google Meet unless otherwise communicated

FRAMEWORK: Parent Expectations

The partnership with parents is extremely important and will directly impact a student's overall engagement and academic progress. Listed below are the key expectations for parents:

- **Ensure students' attendance:**
  - Ensure students log in and attend synchronous and asynchronous classroom sessions (You may find log in directions here).
    - Teachers will take attendance during Google Meet (virtual) classroom time and adjust weekly as needed.
- **Encourage completion and submission of course activities:**
  - Complete and submit required assignments, quizzes and tests by their due dates.
  - Your child's teacher will communicate any changes to the current class schedule.
- **Help students 'own' their learning:**
  - No one expects parents to be full-time teachers or to be educational and content matter experts. Provide support and encouragement and expect your children to do their part. Struggling is allowed and encouraged! Don't help too much. Becoming independent takes lots of practice. At school, your child usually engages with other students and any number of adults hundreds of times each day. Many of these social interactions will continue from a distance, but they will be different. You cannot replace them all, and that's OK.
- **Eliminate distractions:**
  - Just as cellphones are kept in backpacks at school, you might also keep cell phones away at home until assignments are completed (or use as a social break after a certain number of assignments are completed).
  - Provide a Quiet-Study/Learning Zone with a school appropriate background, with your child seated at a desk or table and dressed in school appropriate attire for Google Meet synchronous class sessions.
- **Stay in touch:**
  - Teachers will communicate through email and phone calls. Make sure everyone knows how to find the help they need to be successful. Stay in contact with the classroom and support teachers, school leaders and counselors, but understand it may take a day or two for us to respond. If you have concerns, let someone know.

It is vitally important to have an effective partnership between parents, teachers, and students in order for students to thrive and not just survive in the remote learning environment. The guidance below can help parents make the best of distance learning environments and be ready for the more practical aspects of learning from home:

Create an Optimal Learning Environment	• A shared family space so that you are accessible to check-in, monitor progress, and assist/support. • A Quiet-Study/Learning Zone: Family agreement that the space is a "learning" space and learning expectations apply (non-distracting from peers, outside noise, avoiding a child's bedroom, etc.) • Have resources/materials accessible (i.e. markers, paper, rulers, etc.) for your child to be successful with their activities. Plan ahead and review due dates to have materials ready. • Proper desk/table and ergonomic seating that allows your child(ren) to be comfortable when learning.

Begin/End each day with a check-in	● Start and finish each day with a simple check-in with your child(ren) ● Look at grade level assignment calendars together to review anything that is due. ● Check in with their learning platforms to find any updates for the day. ● Finally have a discussion and ask ○ What are you learning today? ○ What are the learning goals? ○ How will you spend your time? (consider setting a schedule that can be easily followed by your children) ○ What resources do you require? ○ How can I help?
Routines and Expectations for Learning at Home	● Set regular hours for learning. ● Write down a schedule for each child (or if appropriate, have your child create a schedule) with built-in breaks for snacks, outdoor movement/ exercise and playtime. ● Just as cellphones are kept in backpacks at school, you might also keep cell phones away at home until assignments are completed (or use as a social break after a certain number of assignments are completed). ● Maintain regular sleep routines and wake times.
Establish "Think Time"	● One challenge for families with multiple children will be how to manage all of their children's needs. There may be times when siblings need to work in different rooms to avoid distraction. Headphones can be a great opportunity for learners to focus and avoid distraction. Depending on the devices available in your home, you may also need to stagger the online work time for each child.
Encourage Exercise	● Make sure your children remember to move and exercise. ● Plan regular opportunities to get up and move around ● Go outside and play and/or encourage your child(ren) to do something helpful around the house
Support their Learning Socially	● Distance learning opportunities may include collaborative group assignments/projects. Monitor these for/with your child(ren) as online social interaction will enhance the experience for your child(ren). ● In addition to the "check-ins," regularly engage with your child(ren) about what they're learning throughout the day.
Maintain Social Opportunities for your Children	● If available, plan times your child(ren) can interact with others (same compound, family members, club/activity, etc.) ● Monitor your children's social media use, especially during an extended campus closure. Older students will rely more on social media to communicate with friends.
Responsible Use of Technology	When completing work online, joining video calls and/or participating in virtual discussions, students should be sure to: ● Have their cameras on and their faces visible by their teacher at all times, unless instructed otherwise by their teacher. ● Use respectful behavior and language. ● Stick to appropriate topic discussions. ● Send only appropriate video transmissions. ● Use only appropriate icons, emoji, and avatar submissions. ● Wear school appropriate clothing if attending meetings via video. ● Be honest and use academic integrity by not plagiarizing or copying others' work ● Not falsify information about oneself or impersonate others online.

Create a Support Network	Everyone is encouraged to ask themselves: ● How can a neighborhood or friendship group use a rotation schedule to provide supervision for students? ● Who in the neighborhood is really "tech savvy" and willing to help teach others how to use the online tools that are available to OPS students? ● How might older siblings and students be able to support the learning of younger children? ● In what ways can neighbors and friendship groups share technology tools?

Acellus Virtual Learning Courses (PK - 5)

- ❖ Students currently enrolled in the Acellus virtual learning program will continue those courses online.
- ❖ Teachers of record and the Virtual Learning coordinator will continue to supervise, monitor, and support current students.
- ❖ Elementary Virtual FAQs

Edgenuity Virtual Learning Courses (6 - 12)

- ❖ Students currently enrolled in an Edgenuity course will continue that course online.
- ❖ Teachers' of record and Virtual Learning coordinator will continue to supervise, monitor, and support current students.
- ❖ Secondary Virtual FAQs

FRAMEWORK: Student Expectations

- **Attendance:** Students in grades K-12 are expected to log in to Google Classroom and follow their regular school schedule during distance learning. (You may find login directions here). Teachers will take attendance during Google Meet (virtual) classroom time and adjust as needed. School Board policies #5.03 and #5.17 are applicable to all distance learning, online, and virtual courses.
- **Elementary**
    - (K-5) - 9:00 a.m. - 3:45 p.m.
    - Teachers will communicate the daily schedule for each grade level.
    - Pre-K will not log in to Google Classroom. Activities will be sent home in advance with students. Live engagement opportunities will be provided each day. Details will be communicated via your child's teacher.
  - **Secondary**
    - (6-12) - 8:00 a.m. - 2:45 p.m.
    - Students will follow their regular schedule.
- **Absences: Check Google Classroom for synchronous and asynchronous lessons**
  - There is an expectation that if a student misses a school day or cannot attend during the regular class session, they will do the assigned classroom activities. Listed below are the recommended age appropriate time ranges students should expect to spend completing assignments:
    - K (30-60 min./day)
    - 1-2 (60-120 min./day)
    - 3-12 (30-60 min./subject/day)
- **Academic Progress:** Student learning will continue through the direction of their teachers. Students will report to their teacher/classes via Google Classroom and Google Meet. Think "business as usual." Expectations and deadlines for the completion of school work remain in effect. A student is regularly participating in instructional activities which include: online logins to curriculum or programs, doing offline activities, completing assignments, testing, virtual meetings and conferences, email, text, or phone communication. The standards for adequate academic progress are the following:
  - Completion of instructional activities for no less than ninety (90%) of the time that services are provided.
  - On pace for on-time completion of the course as required by the school district.
  - Completion of instructional activities within the time that services were provided during the academic year.
- **Grades** - Students' grades can be positively/negatively impacted based on evidence of academic progress. Grades may be given for assignments, discussions, class participation, quizzes, tests, and "other" as determined by the teacher. Policy #5.17 will apply to all credit bearing courses.
- **Behavior:** All school rules and disciplinary consequences are applicable when working in a virtual class setting. When completing work online, joining video calls and/or participating in virtual discussions, students should be expected to:
    - Have their cameras on and their faces visible by their teacher at all times, unless instructed otherwise by their teacher. This infographic illustrates the expectations.
    - Use respectful behavior and language.
    - Stick to appropriate topic discussions.
    - Send only appropriate video transmissions.

- Students are not allowed to record, take pictures, screenshots, or videos of the class session without permission from the instructor.
- Use only appropriate icons, emoji, and avatar submissions.
- Wear school appropriate clothing if attending meetings via video.
- Ensure backgrounds are distraction free and school appropriate for Google Meet synchronous class sessions.
- Be honest and use academic integrity by not plagiarizing or copying others' work
- Not falsify information about oneself or impersonate others online.

- **Eliminate Distractions:** Students will limit distractions, including pets, television, social media, apps, music, and cell phones.
- **Stay in Touch:** Students should be aware of what communication tools to use and communicate with your teachers early and often for help with assignments or any type of technical issues with Google Classroom. If you are unable to reach your teacher, call the school and speak to a principal or counselor.

FRAMEWORK: Educators

- **Attendance:**
  - **Teachers:** Unless directed otherwise, teachers will conduct class from home via Google Meet and Google Classroom. Teachers will take student attendance during Google Meet (virtual) classroom time and adjust weekly as needed.

ELEMENTARY 8:40 - 4:00 regular contract hours
❖ Daily monitoring & instruction (whole group, small group, individual) ❖ Take student attendance during Google Meet (virtual) classroom time ❖ Available to students and parents as needed ❖ Follow master schedule from your school site ❖ Regular planning period as scheduled during the school day ❖ Combination of Synchronous and Asynchronous (recorded) lessons ❖ Expectations for instruction ➢ PK - Provide live engagement opportunities, with parental support, each day. Details to be communicated via your child's teacher. ■ Provide developmentally appropriate activities for home use in advance ➢ K-5th - Two (2) "live" instructional sessions each day ■ Departmentalized Grade Levels - One (1) "live" session per subject ❖ Specials - Asynchronous Lessons

SECONDARY 7:40 - 3:00 regular contract hours
Staff at SCHOOL SITE and/or at HOME ❖ Hourly monitoring & instruction ❖ Take student attendance during Google Meet (virtual) classroom time ❖ Available to students and parents as needed ❖ Follow master schedule (class periods) ❖ Regular planning period as scheduled during the school day ❖ 20 minutes minimum of "live" instruction per class period ❖ Combination of synchronous and asynchronous (recorded) lessons

  - **Teacher Absences**
    - "Substitute" lessons will be created and pushed out through Google Classroom's Master Class (Screencast and Slide Deck) by a co-teacher. Co-teachers may be any certified staff member in the building who is added to the absent teacher's Google Classroom / Master Google Classroom.
  - **Students**
    - Students are expected to log in and follow their regular school schedule. Teachers will take attendance during Google Meet (virtual) classroom time, monitor assignment completion, and adjust weekly, as needed.

- **Student Grades:**
  - Standard grading practices will apply and grades may be positively or negatively impacted based on evidence of academic progress. Grades may be given for assignments, discussions, class participation, quizzes, tests, and "other" as determined by the teacher.
- **Communication:**
  - Parents - primarily through school messenger, school email, and phone calls
  - Students - primarily through Google Classroom's communication tools and email
- **Expectations of team members during school hours:**
  - Alphabetical List of Individual Roles and Expectations - Distance Learning
  - Google Meet - Engaging Your Students in the Virtual Classroom
  - Google Classroom Mastery Checklist
  - Communication Tools
    - Students - Google Classroom and Google Meet (K-12)
      - Training Video for Google Meet (beginners)
      - Google Classroom / Meet Updates (2022) screencast
    - Parents - Email and phone calls (should be returned within 24 hours)
      - When contacting parents, review this list of Talking Points to ensure successful communication.
  - Maintain great relationships with students and families, being sensitive to their needs during this time. Provide consistent connection and maintain a posture of flexibility in meeting the needs of students.
  - Maintain current attendance at IEP meetings.
  - Maintain attendance at regularly scheduled meetings.
  - Maintain professionalism and continue to provide high-quality instruction.
- **Tutoring**
  - Teachers should not accept payment for instructional support of their own students
  - Teachers should not tutor other students during the virtual school day, as all focus should be on supporting current roster of students
  - Tutoring is acceptable to do "after hours" and on the weekends for students other than those on your current class roster
- **Tips for Teaching Online**
  - Consider setting boundaries and guidelines by including the following:
    - A set schedule and routine
    - Professional dress attire during videos and video conferencing
    - Model digital etiquette including:
      - Muting the mic before entering a session
      - Keeping the background clutter free
      - Pay attention to lighting (e.g. avoid sitting with a light behind you)
      - Minimize background noise
  - Remember that in online activities, lessons may take longer than expected due to technical issues, language barriers, etc. (Pro-tip: our focus should be on the "need to knows" vs the "nice to knows" to ensure our students acquire the essential knowledge and skills of the course. Master teacher and author Dave Stuart's hour-long webinar, We've Gone Remote: Here Are Ten (Or So) Things That Are Helping is quite helpful.
  - Make sure students have all required login information needed to access websites and online materials.

- Remember that some households will have multiple kids impacted at different grade levels and will not have full access to assistance.
- Send a weekly email to parents to maintain communication and share what students are learning.
- Monitor student morale and workload and adjust as needed.
- Establish Google Meet Office Hours and communicate those with your students
- Monitor the amount of work you are asking students to do; it is easy to over-assign in digital learning.
- Find ways to connect with students
- Use Google Calendar appointments/Google Meet to make appointments with other teachers.
- Have a daily or near-daily check-in with your specialists to make sure they're spending time with students who need extra attention.

❖ **Social Emotional Learning Resources**

- Social-Emotional Learning: 3 Signature Practices Playbook: Practical ways to introduce and broaden the use of SEL practices
- Pure Edge: Free, open educational resources and curricula for K-12 social-emotional learning
- Ready4K: Online social and emotional curriculum

❖ **Professional Development**

- Teach Like a Champion Blog | Teaching Simplified Blog
- #teachowasso (a repository of resources for teachers in all divisions and subjects)
- OSDE - Resources by subject area / grade level
- International Society for Technology in Education (ISTE)
- Google for Education
- Google for Education Training Courses

FRAMEWORK: Distance Learning Best Practices

Four Basic Components of Distance Learning

The term “engagement” refers to the amount and quality of time students spend on distance learning activities. Distance learning activities can be in a synchronous (real-time) learning experience where students have some type of scheduled online interaction with a teacher or group, or asynchronous (not in real time) learning experience where students interact with online resources at their own pace.

1. **Synchronous Instruction**
    a. Instruction that occurs when the teacher and the student’s primary interactions are in real-time. (Face-to-Face: in a regular classroom or in a Google Meet)
    b. Synchronous: This is a middle school math synchronous lesson and here is an example of an AP Biology synchronous lesson, while here is a collection of activities for elementary lessons and here is a kindergarten full class, including on-camera expectations for the students.
2. **Semi-synchronous Instruction**
    a. Teachers and students are in the virtual (Google Meet) classroom and students are working in groups or independently. Students are still monitored.
    b. Semi-synchronous: Example and lesson graphic
3. **Asynchronous Instruction**
    a. Instruction that is not dependent on teacher and student interaction, with the primary form of instruction not depending on real-time interaction with participants.
    b. Example: recorded synchronous session, use Loom to record your lesson, YouTube videos, Google Meet recordings, Khan Academy videos, etc.
    c. Asynchronous: Also from the TLAC blog demonstrates the instructor setting up a solid math lesson for her students going so far as to tell her students to pause the video to collect supplies and/or work the problems. Here is an example of an ELA lesson and here is a history lesson.
4. **Student Activity**
    a. Any activity assigned to a student to complete using any of the Google Workspaces tools

Lesson Template Example:

Class Agenda	Create and provide agenda to students ahead of time on Google Classroom
Welcome	Greet students as they login into the Google Meet and discuss classroom expectations for the virtual setting
Ice-Breaker Activity	This helps students get comfortable speaking and participating in the class. Example: Just one Word Ask students to choose one word that best describes them or their life and to explain why. - Alternatively, you can ask them to choose an image (they can download it from the Internet or take a picture with their smartphone, for example). - Ask them to share their answers via the chat feature or on a virtual whiteboard. *(Technology Tools: Google Meet Chat, a shared Google Slide deck, Google Forms, and others)*
2&1 Discussion Questions	This is similar to a “bell ringer” in which you are preparing students to learn the concept of the lesson. Example: Two (2) Discussion Questions and one (1), “What are you wondering about?” question from the student. *(Technology Tools: Mentimeter, Kahoot, and more)*

Direct Instruction	Teacher provides instruction directly to students. Teachers can share their screen to present information. *(Technology Tools: Google Slides, Prezi, Google Doc, EdPuzzle, YouTube videos, etc.)*
Guided Practice	Students work on an activity with the guidance of the teacher *(Technology Tools: Shared Google Doc, Google Forms, and more)*
Assignment	Explain assignment, due date, and how to submit it in Google Classroom
Ticket out the Door	Self-assessment and lesson reflection activity *(Technology Tools: Google Form, Google Classroom Question, shared Google Doc, and others)*

Instructional Lessons

- **Curriculum:**
  - Teachers may create their own individual lessons and/or work with their PLT
  - Instruction and lessons shall be created for all courses, subjects, and grade-levels
  - Introducing and teaching new material is expected
  - Primary focus shall be on essential standards/skills
  - PLT teams should continue to work together to create, administer, and analyze common formative assessments (CFAs)
  - PLT teams should respond to student needs and build in multi-tiered systems of support (MTSS) for student interventions
  - All standards and skills should be aligned to Oklahoma Academic Standards
- **Lesson Creation:**
  - Google Workspaces (Docs, Slides, Sheets, YouTube)
  - Any other web-based technology tool that will work within Google Classroom (e.g.: Edpuzzle, Nearpod, Brainpop, Mentimeter, etc.)
  - Google Meet (virtual classrooms, conferencing)
- **Lesson Delivery:**
  - Google Classroom Learning Management System (LMS)
  - Teachers may record the synchronous lesson for students to watch later in the day:
    - Creating a MASTER class with Master Lessons Using Loom & Video Preview (click through the slides for steps)
    - This will serve those families who have to share devices or who may not be able to attend the synchronous classroom session at the designated time frame.
    - It will also lighten teachers' loads when working together as a team to record lessons.

Students with Special Considerations - Resources available to students and teachers

- SPED District Learning Plan
  - Virtual IEP Meeting Procedures
  - Resources for Teachers and Parents
  - OSDE-SES Distance Learning Guidance For Special Education for guidance, including FAQs on providing services to children with disabilities during school closures and FAQs for families and parents of students with disabilities.
  - A student's IEP team may determine that a student can continue making progress toward their goals through the same distance learning environment as their non-disabled peers. Other students may need modifications. If the IEP team determines that a student is most appropriately served

through part-time or full-time instruction in self-contained special education classes on site, that could occur.

- Gifted, Indian Ed., Ensemble/performanced based courses will be provided
- English Learners (EL)
  - Students will receive instruction from their ELD teachers
  - EL teachers will be available to create ELAPs and send parent notification letter
  - Additional Resources
    - WIDA's Distance Learning Guidance: View examples, guiding principles and links to multiple educational resources.
    - OSDE's EL Resources for E-Learning: Download this Excel spreadsheet for a list of digital resources appropriate for a variety of ages, languages and content areas.
    - English Learner Family Engagement During Coronavirus: Learn how to engage EL and immigrant parents to best support their children's education during this time.
    - School Responses to COVID-19: EL/Immigrant Considerations: View plans for E-learning, best practices for interacting with EL families and links to additional resources.

FRAMEWORK: Technology (Resources & Support)

Technology	Teachers	Students
Lessons and Delivery Method	PK-12: Google Classroom	K-12: Google Classroom (You may find login directions here)
Google Classroom - need help?	STEPS: 1) Contact site ITSL and/or create a Sherpa ticket 2) Site ITSL contacts Teaching and Learning Instructional Technology Coordinator	STEPS: 1) Contact Teacher 2) Teacher contacts site ITSL and makes Principal aware 3) Site ITSL creates a Sherpa Ticket and/or contacts Teaching and Learning Instructional Technology Coordinator
Devices: Available Resources	School Laptop	Chromebook/IPads
No Connectivity	Contact Site Principal	K-12 - Contact building site
Chromebook Device Support - Flowchart	**STEPS:** 1) Contact OPS ChromeDepot 2) Submit a Sherpa Technology Ticket	**STEPS: (K-12 Students)** 1) Report and inform issue to Teachers 2) Teachers help students contact OPS ChromeDepot/Library Media Specialist 3) OHS ChromeDepot will contact OPS Help Desk as needed for additional support

ChromeDepot Expectations

a. All 1:1 students will have a Chromebook in their possession.
b. Students who have their school-issued Chromebook in for repair will be issued a loaner to use until repairs are completed.

Owasso Public Schools
Treasurers Report
as of September 30th, 2025

	General Fund prior year 7/1/24 to 9/30/24	General Fund current year 7/1/25 to 9/30/25	Building Fund prior year 7/1/24 to 9/30/24	Building Fund current year 7/1/25 to 9/30/25	Child Nutrition prior year 7/1/24 to 9/30/24	Child Nutrition current year 7/1/25 to 9/30/25	Sinking Fund prior year 7/1/24 to 9/30/24	Sinking Fund current year 7/1/25 to 9/30/25
Beginning Fund Balance	18,444,544.42	20,271,993.58	4,009,841.87	4,281,377.64	2,572,917.00	2,233,404.82	2,035,668.91	5,553,565.30
Revenue								
local	302,417.47	344,387.79	47,186.28	50,845.49	364,326.47	385,808.11	103,706.07	137,563.48
intermediate	258,766.50	293,436.57	0.00	0.00		0.00		0.00
state	8,625,451.82	8,265,432.95	3,060.50	14.76	0.00	0.00	14,257.61	76.95
federal	1,171,344.47	967,767.28	0.00	0.00	236,114.07	52,220.30		
premium on bond sale							0.00	0.00
reimb/correcting entry	1,005.78	12,346.00	0.00	0.00	573.20	39.00	0.00	0.00
total revenue	**10,358,986.04**	**9,883,370.59**	**50,246.78**	**50,860.25**	**601,013.74**	**438,067.41**	**117,963.68**	**137,640.43**
Expenditures								
salary	6,903,997.96	7,015,446.11			229,146.73	229,608.82	0.00	0.00
benefits	2,219,648.27	2,320,323.40			68,981.99	73,240.60	0.00	0.00
contracted prof / tech svcs	262,271.72	194,105.88	1,250.00	590.00	13,539.00	14,060.00	0.00	0.00
property svcs	152,778.78	237,140.32	275,702.06	319,061.65	28,194.27	32,192.08	0.00	0.00
other purchased svcs	283,457.35	343,812.89	1,579,011.15	1,427,724.69	151,512.03	129,096.73	0.00	0.00
supplies	413,990.93	451,858.30	863,850.06	638,595.48	16,068.40	1,522.76	0.00	0.00
property	0.00	450.00	0.00	0.00	196,646.93	80,723.70	0.00	0.00
dues/fees/registration/tuition	149,960.67	74,214.53			699.00	0.00	0.00	0.00
bond principal & interest							0.00	362,227.50
other uses	1,005.78	12,296.00	0.00	0.00	12,605.20	12,539.00	0.00	0.00
total expenditures	**10,387,111.46**	**10,649,647.43**	**2,719,813.27**	**2,385,971.82**	**717,393.55**	**572,983.69**	**0.00**	**362,227.50**
prior year estopped checks	0.00	0.00						
Balance as of September 30th	18,416,419.00	19,505,716.74	1,340,275.38	1,946,266.07	2,456,537.19	2,098,488.54	2,153,632.59	5,328,978.23
bank balance 9-30-25		19,847,786.90		2,046,423.81		2,100,076.35		5,328,978.23
outstanding checks		(342,070.16)		(100,157.74)		(1,587.81)		0.00
balance 9-30-25		19,505,716.74		1,946,266.07		2,098,488.54		5,328,978.23

Owasso Public Schools
Treasurers Report
Bond Funds Summary
as of 9-30-25

	bond 31 year to date	bond 33 year to date	bond 35 year to date	bond 39 year to date
FY 26 Beginning Fund Balance	39,260,027.51	713.68	38,156.54	176,930.53
Revenue				
interest/other	346,191.72	0.00	0.00	0.00
correcting entry	0.00	0.00	0.00	0.00
bond proceeds	0.00	0.00	0.00	0.00
total revenue	346,191.72	0.00	0.00	0.00
Expenditures	8,133,915.12	713.68	0.00	1,446.90
prior year estopped check	0.00			
Balance as of 9-30-25	31,472,304.11	0.00	38,156.54	175,483.63

Owasso Public Schools **Bond Fund Budgets F.Y. 2026** report date 9/30/2025

project	description	Bond 39 budget	Bond 39 encumbered	Bond 39 balance	Bond 35 budget	Bond 35 encumbered	Bond 35 balance	Bond 33 budget	Bond 33 encumbered	Bond 33 balance
000	non categorical	4,963.79	1,920.00	3,043.79	38,156.54	37,865.00	291.54	713.68	713.68	0.00
119	plant operations	105,775.75	3,585.68	102,190.07	0.00	0.00	0.00	0.00	0.00	0.00
120	fine arts uniforms/equip	14,118.44	11,718.83	2,399.61						
141	5th grade center	52,072.55	52,072.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
total		176,930.53	69,297.06	107,633.47	38,156.54	37,865.00	291.54	713.68	713.68	0.00

project	description	Bond 31 budget	Bond 31 encumbered	Bond 31 balance
000	non categorical	0.00	0.00	0.00
111	copiers	247,675.00	108,499.00	139,176.00
112	buses	397,224.76	153,832.80	243,391.96
113	technology	5,543,328.98	1,154,293.71	4,389,035.27
114	instructional resources	2,573,259.18	560,335.94	2,012,923.24
116	uniforms/equipment	206,009.71	113,429.30	92,580.41
117	safety	392,962.88	130,153.01	262,809.87
119	plant operations	4,288,948.38	1,356,453.40	2,932,494.98
120	fine arts uniforms/equip	640,036.29	129,249.02	510,787.27
171	nurses equipment	50,948.91	46,066.74	4,882.17
172	library budgets	179,420.46	135,747.71	43,672.75
	Construction Projects			
134	roofing district wide		3,362,669.67	
136	track/band project		227,481.33	
138	hodson safe structure		2,881,831.00	
139	8th Grade Safe Room		843,051.79	
141	5th grade center		393,803.30	
142	transportation facility		221,481.00	
	Total Construction	18,773,052.61	7,930,318.09	10,842,734.52
total bond 31		33,292,867.16	11,818,378.72	21,474,488.44

Owasso Public Schools

Operating Budget 2025 - 2026

Owasso Public Schools



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Owasso Public Schools

Budget Overview

Fiscal Year 2025-26

	General Fund 2nd prior year 7/1/23 to 6/30/24 actual	General Fund prior year 7/1/24 to 6/30/25 actual	**General Fund current year 7/1/25 to 6/30/26 budget**	Building Fund 2nd prior year 7/1/23 to 6/30/24 actual	Building Fund prior year 7/1/24 to 6/30/25 actual	**Building Fund current year 7/1/25 to 6/30/26 budget**
Beginning Fund Balance	14,472,763.48	18,444,544.42	**20,271,993.58**	3,486,854.69	4,009,841.87	**4,281,377.64**
Revenue						
local	28,181,992.54	30,384,587.13	**31,627,799.00**	3,993,371.84	4,298,281.14	**4,438,101.00**
intermediate	3,492,825.73	3,752,534.88	**3,875,000.00**	0.00	0.00	**0.00**
state	44,188,502.11	43,650,055.36	**42,140,613.00**	1,157,178.64	1,085,827.72	**1,000,000.00**
federal	5,360,933.10	4,397,349.26	**3,976,044.00**	119,667.13	0.00	**0.00**
reimb/correcting entry	42,973.68	52,884.88	**234,000.00**	0.00	0.00	**0.00**
total revenue	81,267,227.16	82,237,411.51	**81,853,456.00**	5,270,217.61	5,384,108.86	**5,438,101.00**
Expenditures						
salary	55,228,724.39	57,641,560.20	**58,909,643.00**	0.00	0.00	**0.00**
benefits	17,301,296.28	18,418,162.23	**18,826,253.00**	0.00	0.00	**0.00**
contracted prof/tech svcs	1,264,492.65	1,116,682.28	**1,162,872.00**	8,875.00	4,235.00	**6,500.00**
property svcs	507,500.65	586,804.94	**596,316.00**	1,282,626.04	1,200,621.66	**1,222,000.00**
other purchased svcs	432,332.44	466,447.88	**468,347.00**	1,164,844.62	1,673,792.01	**1,521,000.00**
supplies	1,847,128.99	1,599,395.05	**1,620,834.00**	2,265,771.62	2,233,924.42	**2,355,000.00**
property	155,972.75	9,398.15	**6,498.00**	25,113.15	0.00	
dues/fees/registration/tuition	555,901.89	558,347.24	**573,000.00**	0.00	0.00	**0.00**
bond principal & interest				0.00	0.00	**0.00**
other uses	2,133.68	13,621.38	**12,000.00**	0.00	0.00	**0.00**
total expenditures	77,295,483.72	80,410,419.35	**82,175,763.00**	4,747,230.43	5,112,573.09	**5,104,500.00**
prior year estopped checks	37.50	457.00	0.00			
Ending Fund Balance	18,444,544.42	20,271,993.58	**19,949,686.58**	4,009,841.87	4,281,377.64	**4,614,978.64**
Fund Balance Percentage	22.70%	24.65%	**24.37%**			

Owasso Public Schools

Budget Overview

Fiscal Year 2025-26

	Child Nutrition 2nd prior year 7/1/23 to 6/30/24 actual	Child Nutrition prior year 7/1/24 to 6/30/25 actual	**Child Nutrition current year 7/1/25 to 6/30/26 budget**	Sinking Fund 2nd prior year 7/1/23 to 6/30/24 actual	Sinking Fund prior year 7/1/24 to 6/30/25 actual	**Sinking Fund current year 7/1/25 to 6/30/26 budget**
Beginning Fund Balance	2,542,882.97	2,572,917.00	**2,233,404.82**	2,943,531.65	2,035,668.91	**5,553,565.30**
Revenue						
local	1,707,583.28	1,773,937.74	**1,747,300.00**	18,345,263.61	21,683,212.97	**22,592,985.00**
intermediate	0.00	0.00	**0.00**	0.00	0.00	**0.00**
state	280,707.82	302,122.94	**302,700.00**	1,632.52	15,267.22	**10,000.00**
federal	2,556,071.07	2,347,602.17	**2,320,000.00**			
correction/bond premium	12,969.47	8,755.76	**9,000.00**	13,591.13	1,504,841.20	**0.00**
total revenue	4,557,331.64	4,432,418.61	**4,379,000.00**	18,360,487.26	23,203,321.39	**22,602,985.00**
Expenditures						
salary	1,652,296.77	1,818,920.25	**1,920,416.00**	0.00	0.00	**0.00**
benefits	561,090.19	621,628.72	**656,320.00**	0.00	0.00	**0.00**
contracted prof/tech svcs	12,514.00	13,539.00	**13,539.00**	0.00	0.00	**0.00**
property svcs	46,438.93	59,543.44	**117,700.00**	0.00	0.00	**0.00**
other purchased svcs	1,923,160.23	1,927,765.67	**2,023,605.00**	0.00	0.00	**0.00**
supplies	194,219.13	75,397.06	**291,367.00**	0.00	0.00	**0.00**
property	124,099.74	240,282.70	**220,399.00**	0.00	0.00	**0.00**
dues/fees/registration/tuition	699.00	1,339.75	**2,000.00**	0.00	0.00	**0.00**
bond principal & interest	0.00	0.00	**0.00**	19,268,350.00	19,685,425.00	**17,925,470.00**
other uses	12,779.62	13,514.20	**13,500.00**	0.00	0.00	**0.00**
total expenditures	4,527,297.61	4,771,930.79	**5,258,846.00**	19,268,350.00	19,685,425.00	**17,925,470.00**
prior year estopped checks						
Ending Fund Balance	2,572,917.00	2,233,404.82	**1,353,558.82**	2,035,668.91	5,553,565.30	**10,231,080.30**

Owasso Public Schools



General Fund

Definitions:

GENERAL FUNDS - *Account for all financial resources of the local educational agency (LEA) except those required to be accounted for in another fund.*

11* General Fund (For Operations) - *The general fund of any school district is hereby defined as a current expense fund, as defined in 70 O.S. § 1-117.*

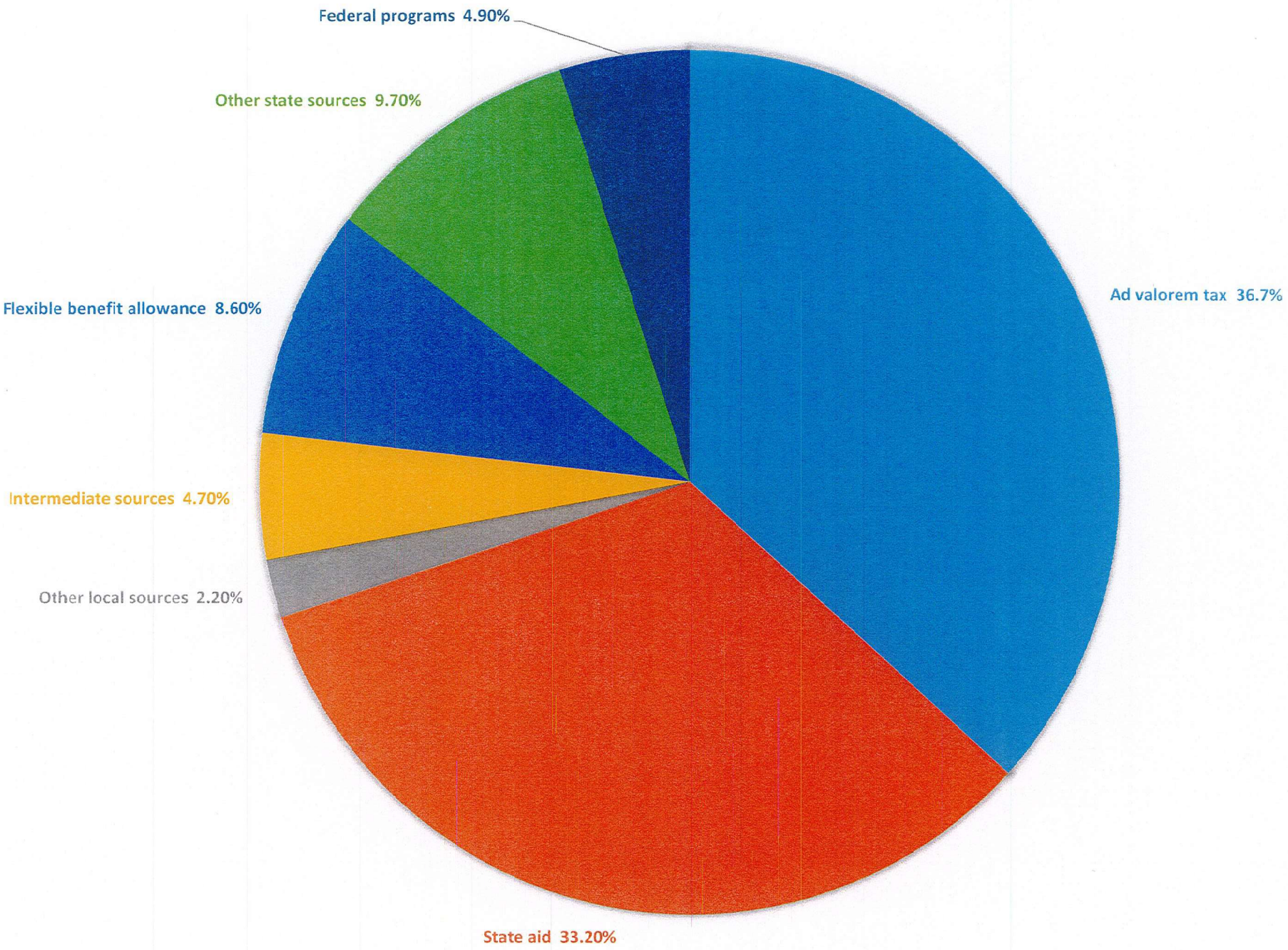
Owasso Public Schools



General Fund

Revenue

GENERAL FUND BUDGETED REVENUE $81,853,456



Revenue Summary - General Fund

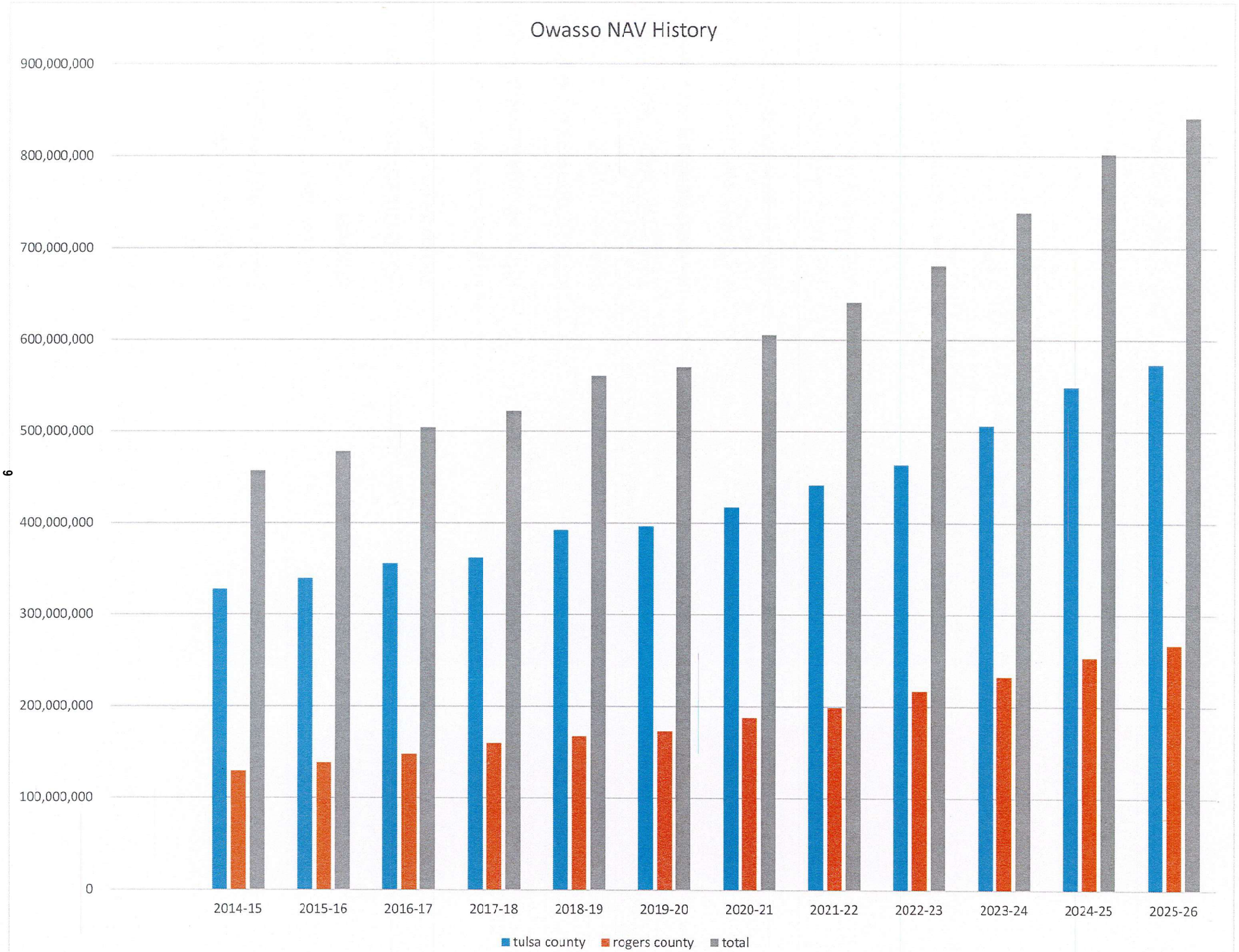
Owasso Public Schools

	2021-22 actual	2022-23 actual	2023-24 actual	2024-2025 actual	**2025-2026 Budget**
local sources					
ad valorem current year	21,572,216.18	24,332,108.88	26,402,399.23	28,422,215.09	29,744,702.00
ad valorem prior years	240,053.95	1,603,089.36	288,790.26	295,027.94	290,000.00
interest	58,213.08	415,877.76	710,146.87	874,755.51	850,000.00
facilities rental	4,602.50	1,000.00	2,265.50	200.00	0.00
sales of surplus	59,525.48	13,239.00	10,520.20	17,947.94	18,000.00
reimbursements	47,221.62	23,716.24	46,720.19	59,701.11	25,000.00
contributions	275,331.86	292,433.77	278,375.41	255,790.71	260,000.00
district contracts	142,781.84	424,186.19	322,497.24	353,130.75	355,000.00
royalties and leases	68,383.45	69,234.88	75,157.31	92,331.99	77,097.00
refunds	181,336.35	2,140.14	6,948.60	1,681.85	2,000.00
misc	15,484.15	4,998.58	38,171.73	11,804.24	6,000.00
total local sources	**22,665,150.46**	**27,182,024.80**	**28,181,993**	**30,384,587**	**31,627,799**
intermediate sources					
4 mill county wide	2,618,780.65	2,900,646.42	3,027,332.73	3,205,571.14	3,300,000.00
mortgage tax	729,482.34	513,090.17	349,701.12	431,963.47	460,000.00
resale property fund	125,840.15	115,462.30	115,791.88	115,000.27	115,000.00
total intermediate sources	**3,474,103.14**	**3,529,198.89**	**3,492,826**	**3,752,535**	**3,875,000**
state sources					
gross production	6,618.68	8,789.51	6,423.62	6,380.11	6,500.00
motor vehicle	4,443,244.08	4,159,818.57	4,180,135.59	4,091,423.06	4,150,000.00
rural electric	110,908.28	117,924.28	129,543.78	147,404.83	150,000.00
land earnings	1,390,806.46	1,473,365.00	1,655,342.13	1,766,352.03	1,750,000.00
vehicle tax stamps	22,739.28	21,144.97	22,552.02	24,191.82	24,000.00
farm implement tax		1,429.61	2,315.96	1,939.44	2,000.00
state aid	21,976,601.46	24,651,720.48	30,393,176.08	28,523,138.13	27,173,055.00
health insurance	5,972,370.34	5,976,913.48	6,515,277.96	7,028,916.72	7,050,000.00
alternative education	138,136.32	144,963.49	126,910.12	135,121.74	135,000.00
nbct	80,150.00	71,300.00	85,600.00	74,000.00	80,000.00
inspired to teach				12,000.00	12,000.00
reading sufficiency	138,390.55	154,899.16	174,873.60	246,667.70	175,000.00
textbooks	813,201.32	631,126.83	643,970.64	638,273.19	628,737.00
school resource officer			92,000.00	91,829.62	93,041.00
maternity leave reimb				160,280.91	125,000.00
otep grant				382,500.00	305,000.00
additional homestead reimb				20,843.63	20,000.00
state land reimb	26.98	26.53	81.96	45.41	40.00
misc state sources	61,598.22	69,869.29	54,138.65	197,707.02	150,000.00
vocational salary	26,440.00	26,440.00	38,160.00	32,040.00	34,240.00
vocational incentive	44,165.00	44,165.00	68,000.00	69,000.00	77,000.00
lottery fund grant	15,000.00	10,473.62	0.00	0.00	0.00
total state sources	**35,240,396.97**	**37,564,369.82**	**44,188,502**	**43,650,055**	**42,140,613**

Revenue Summary - General Fund

Owasso Public Schools

	2021-22 actual	2022-23 actual	2023-24 actual	2024-2025 actual	**2025-2026 budget**
federal sources					
indian education	239,408.52	507,011.81	250,539.71	425,545.07	425,000.00
flood control	43.97	44.10	43.79	44.01	44.00
title 1	731,520.70	700,718.86	975,110.23	1,011,537.08	1,000,000.00
title 2a	218,226.72	213,336.58	217,201.40	228,566.81	225,000.00
title 3	20,016.11	56,508.74	76,033.66	60,380.20	60,000.00
idea	1,597,030.68	1,641,062.14	1,930,972.24	2,117,888.82	2,100,000.00
idea preschool	18,702.72	39,165.34	58,351.26	51,010.83	51,000.00
idea covid asst		221,342.15			
title IV student support	17,502.85	66,666.91	74,781.62	49,068.19	50,000.00
johnson o'malley	57,902.55	58,445.59	61,760.51	82,388.56	65,000.00
homeless II arp			5,370.25	10,139.19	0.00
cares act	80,298.33	35,845.87			
geers cares act	91,852.66	28,908.13			
esser II	604,558.69	753.18			
esser II state set aside	1,511,230.80	351,156.03			
school nurse support		247,500.00	3,647.77		
ok paid student teaching	1,749.00	12,243.00	5,247.00	6,996.00	0.00
oklahoma science of reading academies		1,938.00	7,106.00	5,814.00	0.00
esser III arp	25,187.25	1,937,822.37	1,694,767.66	347,970.50	0.00
total federal sources	**5,215,231.55**	**6,120,468.80**	**5,360,933**	**4,397,349**	**3,976,044**
other					
activity fund reimbursements	27,011.90	39,825.99	40,840.00	39,263.50	224,000.00
correcting entries	17,576.32	10,596.81	2,133.68	13,621.38	10,000.00
total general fund revenue	**66,639,470.34**	**74,446,485.11**	**81,267,227.16**	**82,237,411.51**	**81,853,456.00**


Owasso NAV History
900,000,000
800,000,000
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600,000,000
500,000,000
400,000,000
300,000,000
200,000,000
100,000,000
0
2014-15
2015-16
2016-17
2017-18
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
tulsa county
rogers county
total

Owasso Public Schools

Net Assessed Valuation

fiscal year	tulsa county	rogers county	total	% growth
2014-15	327,486,511	129,452,049	456,938,560	
2015-16	339,141,366	138,722,627	477,863,993	4.58%
2016-17	355,532,038	148,279,153	503,811,191	5.43%
2017-18	361,832,011	160,201,627	522,033,638	3.62%
2018-19	392,119,962	167,900,838	560,020,800	7.28%
2019-20	396,177,061	173,526,362	569,703,423	1.73%
2020-21	417,190,131	188,016,906	605,207,037	6.23%
2021-22	441,402,628	199,181,472	640,584,100	5.85%
2022-23	463,654,714	217,217,754	680,872,468	6.29%
2023-24	506,173,653	232,772,685	738,946,338	8.53%
2024-25	548,422,499	253,585,312	802,007,811	8.53%
2025-26	573,375,268	267,540,356	840,915,624	4.85%

State Aid Summary Owasso Public Schools	2024-25 initial	2024-25 final	2025-26 initial	**2025-26 final projected**
weighted average daily membership	15,329.31	15,329.31	15,262.80	**15,278.00**
x state-wide factor	4,195.94	4,250.76	4,273.11	**4,280.00**
sub total	64,320,865.00	65,161,217.78	65,219,623.31	**65,389,840.00**
transportation (average daily haul x 66)	452,496.66	446,829.24	440,665.50	**440,665.50**
sub total	64,773,361.66	65,608,047.02	65,660,288.81	**65,830,505.50**
less chargeables				
ad valorem (projection based on valuation)	(26,815,481.95)	(28,842,834.51)	(28,842,834.51)	**(30,241,712.00)**
4 mill (75% of prior year collections)	(2,270,629.16)	(2,270,629.16)	(2,404,178.35)	**(2,404,178.35)**
land earnings (prior year collections)	(1,655,342.13)	(1,655,342.13)	(1,766,352.03)	**(1,766,352.03)**
gross production (prior year collections)	(6,423.62)	(6,423.62)	(6,380.11)	**(6,380.11)**
motor vehicle (prior year collections)	(4,180,135.59)	(4,180,135.59)	(4,091,423.06)	**(4,091,423.06)**
rural electric (prior year collections)	(129,543.78)	(129,543.78)	(147,404.83)	**(147,404.83)**
total chargeables	(35,057,556.23)	(37,084,908.79)	(37,258,572.89)	**(38,657,450.38)**
total state aid	$29,715,805	$28,523,138	$28,401,716	**$27,173,055**

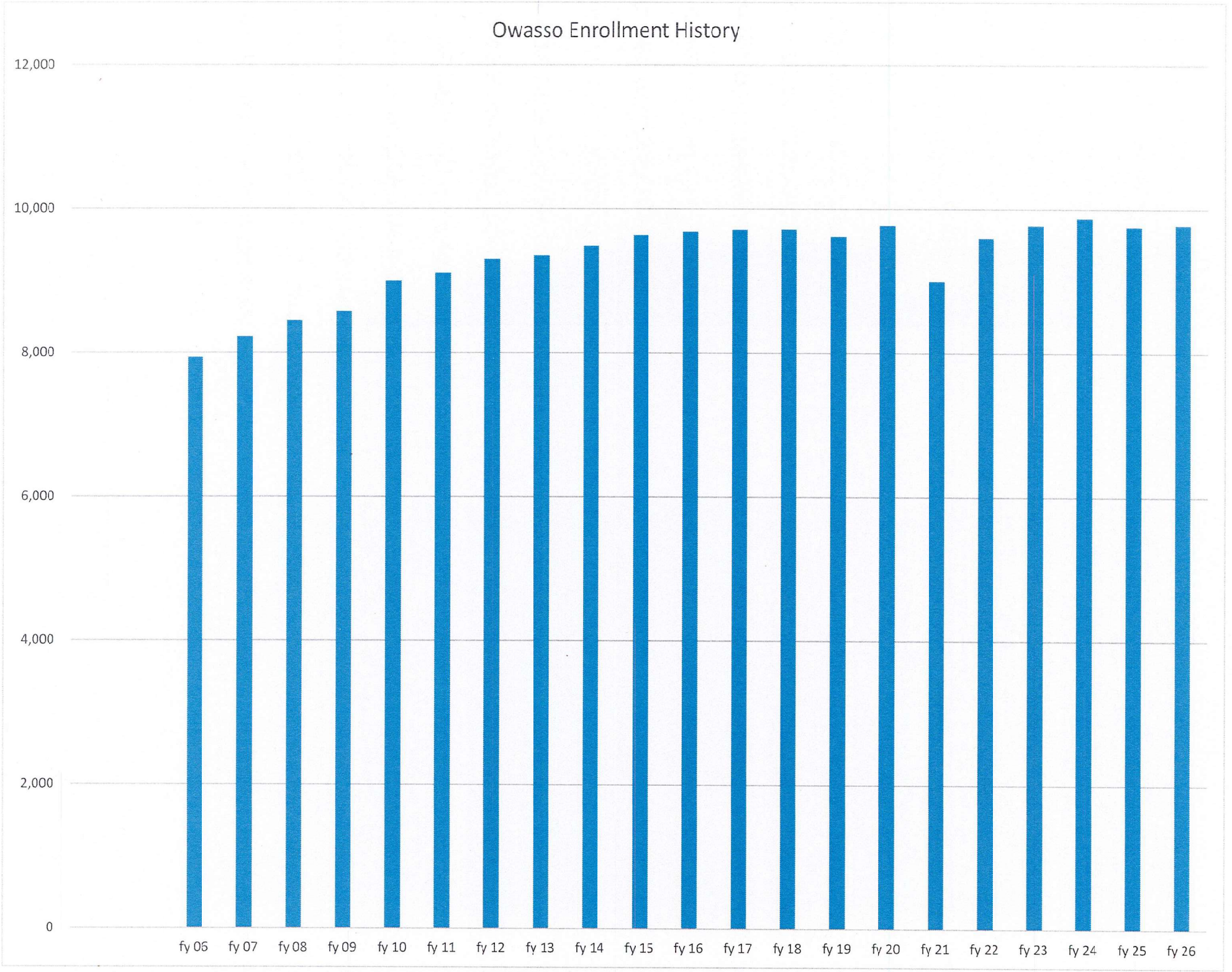
Weighted Average Daily Membership

Owasso Public Schools

	Full Year FY 2026	**1st qtr FY 2026 projected**	Full Year FY 2025	1st qtr FY 2025	Full Year FY 2024	1st qtr FY 2024	Full Year FY 2023	1st qtr FY 2023	Full Year FY 2022	1st qtr FY 2022	Full Year FY 2021	1st qtr FY 2021
average daily membership	0.00	**9,780.00**	9,749.33	9,754.57	9,854.95	9,878.27	9,781.41	9,775.46	9,648.80	9,598.94	9,141.22	8,998.06
additional weights												
grade	0.00	**1,706.00**	1,694.03	1,695.16	1,728.74	1,726.09	1,691.87	1,686.31	1,654.84	1,644.72	1,554.27	1,525.21
special education	0.00	**1,792.00**	1,788.60	1,788.60	1,833.00	1,833.00	1,871.25	1,871.25	1,724.15	1,724.15	1,604.40	1,604.40
gifted	0.00	**290.00**	298.18	298.18	198.56	198.56	207.06	207.06	214.54	214.54	210.80	210.80
bilingual	0.00	**250.00**	251.75	252.00	231.50	231.50	229.75	229.75	219.25	219.25	180.25	180.25
summer program												
economically disadvantaged *(weight was .25, .30 as of spring 23)*	0.00	**1,185.00**	1,181.70	1,181.70	1,259.10	1,259.10	991.20	826.00	501.00	501.00	514.25	514.25
teacher experience	0.00	**275.00**	299.21	299.36	223.46	223.82	193.20	190.46	153.46	152.68	105.37	103.75
Total Weighted ADM	**0.00**	**15,278.00**	**15,262.80**	**15,269.57**	**15,329.31**	**15,350.34**	**14,965.74**	**14,786.29**	**14,116.04**	**14,055.28**	**13,310.56**	**13,136.72**

Weights used for State Funding Formula

	Fiscal Year	WADM	which count was used?
projected	**2026**	**15,278.00**	**1st quarter fy 2026**
	2025	15,329.31	full year fy 2024
	2024	15,350.34	1st quarter fy 2024
	2023	14,786.29	1st quarter fy 2023
	2022	14,410.72	full year fy 2020
	2021	14,410.72	full year fy 2020
	2020	14,382.62	1st quarter fy 2020
	2019	14,260.20	full year fy 2018
	2018	14,250.20	1st quarter fy 2018
	2017	14,158.25	1st quarter fy 2017
	2016	13,989.63	1st quarter fy 2016
	2015	13,659.26	1st quarter fy 2015


Owasso Enrollment History
12,000
10,000
8,000
6,000
4,000
2,000
0
fy 06
fy 07
fy 08
fy 09
fy 10
fy 11
fy 12
fy 13
fy 14
fy 15
fy 16
fy 17
fy 18
fy 19
fy 20
fy 21
fy 22
fy 23
fy 24
fy 25
fy 26

Owasso Public Schools



General Fund

Expenditures

EXPENDITURE DIMENSIONS

FY	FUND	PROJECT REPORTING	FUNCTION	OBJECT	PROGRAM	SUBJECT	JOB CLASS	OPER UNIT
XX	XX	XXX	XXXX	XXX	XXX	XXXX	XXX	XXX

Definitions of Expenditure Dimensions

FY — Fiscal year of the fund involved.
Example: FY 2025-26.

FUND — A fiscal and accounting entity with a self-balancing set of accounts recording cash and other resources together with all related liabilities and residual equities or balances or changes therein. Examples: General, building, school activity, trust.

PROJECT REPORTING — The Project Reporting dimension permits LEAs to accumulate expenditures to meet a variety of specialized management and reporting requirements, regardless of whether the programs receive district, state, federal, or multisource funding. Expenditures may be accumulated under individual projects with the flexibility of accommodating additional projects which LEAs might wish to account for on a permanent or temporary basis. Examples: Summer school program, child nutrition program, vocational program.

FUNCTION — Describes the activity being performed for which a service or material object is acquired. Examples: Instruction, counseling services, library services, operation of building services, and supervision of child nutrition programs operation.

OBJECT — Describes the service or goods obtained. Examples: Salaries, staff travel, electricity, books.

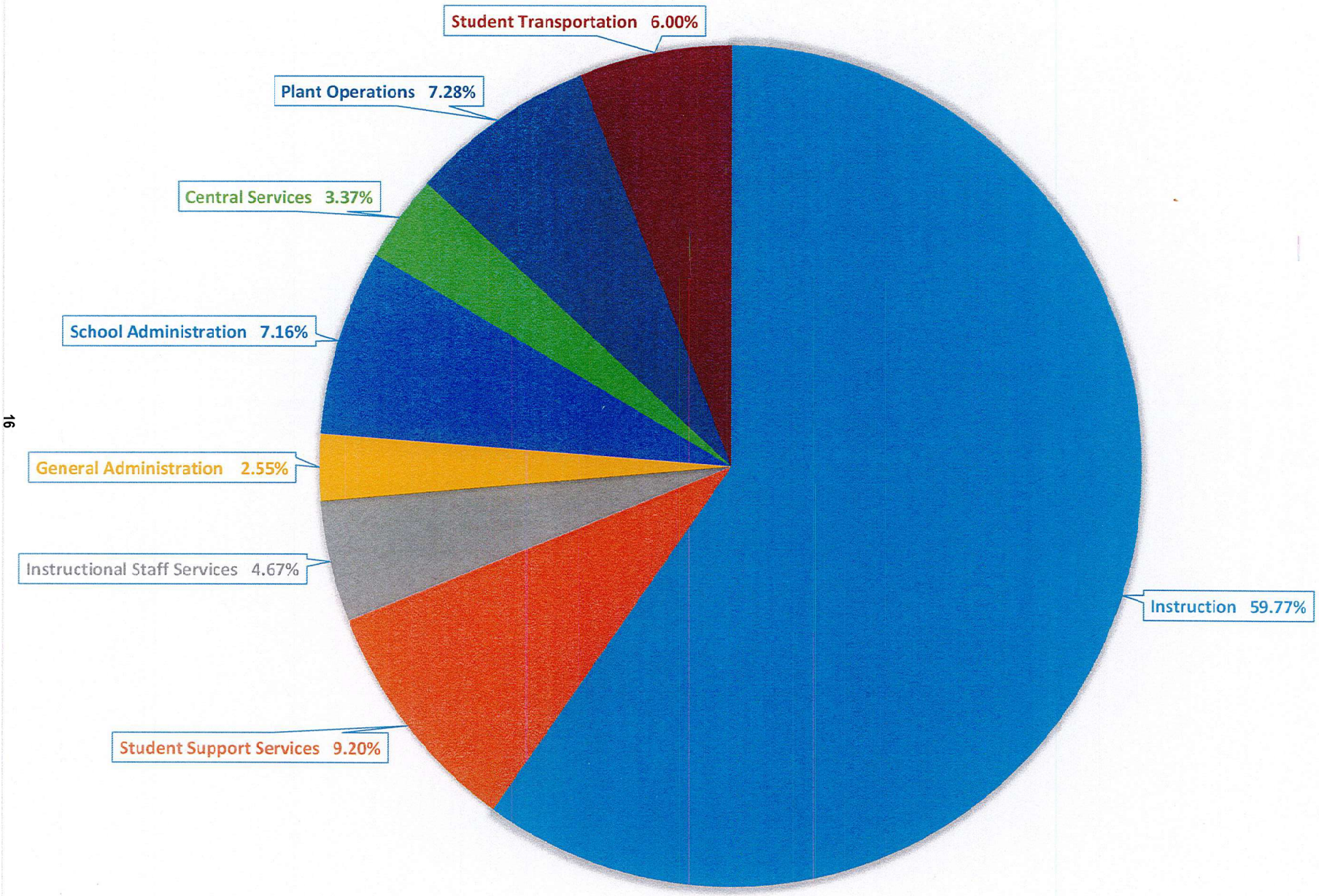
PROGRAM — A plan of activities and procedures designed to accomplish a predetermined objective. Examples: Regular programs, special programs, vocational programs, special students.

SUBJECT — Describes a group of related subjects, allows accumulation of costs in particular subject areas. Examples: Art, business, mathematics, music.

JOB CLASSIFICATION — Used to classify expenditures for salaries and employee benefits by employee's job. Examples: Elementary nonteaching principal, senior high teacher, regular or substitute bus driver.

OPERATIONAL UNIT — Used to identify the accredited instructional site according to grade span or the non-accredited/non-instructional site at which personnel serve the entire district. **The Accreditation Standards Division of the State Department of Education must assign all site codes.** A district may request the use of specific site codes but will be authorized to use the code only after verification that the code is within the proper range and does not conflict with any codes previously assigned to the district.

BUDGETED EXPENDITURES BY FUNCTION - GENERAL FUND $82,175,763



Owasso Public Schools

General Fund Expenditures

Sorted By Project Codes

code	description	F.Y 2021-22 Actual	F.Y 2022-23 Actual	F.Y 2023-24 Actual	F.Y 2024-25 Actual	F.Y 2025-26 Budget
000	non categorical	48,355,151.88	50,659,415.18	59,472,489.88	61,925,439.50	63,021,720.00
001	extra duty	861,716.31	1,335,367.77	1,304,511.54	1,393,339.10	1,400,000.00
002	plant operations	279,569.47	197,891.33	537,065.09	426,590.88	475,400.00
003	transportation	514,833.98	745,661.31	1,020,193.97	1,014,198.72	1,050,000.00
004	student enrollment center	1,765.00	1,795.00	0.00	856.00	1,500.00
005	teaching and learning	25,154.47	49,800.92	60,634.52	76,048.83	85,000.00
006	district services	187,463.60	180,145.92	146,683.29	102,610.92	23,396.00
007	summer school	19,019.93	57,055.04	73,556.14	44,752.00	50,000.00
008	business services	269,422.90	278,213.98	302,234.46	278,564.05	300,000.00
012	human resources	44,695.67	29,327.45	35,448.00	31,304.64	40,000.00
013	insurance	21,897.12	293,568.72	220,186.00	232,220.00	315,000.00
015	superintendent	2,956.57	17,448.77	30,321.16	17,653.05	30,000.00
016	legal svcs/district memberships	70,503.36	34,360.22	70,584.52	89,126.92	80,000.00
035	payroll related reimbursements	353.07	986.16	1,467.52	2,627.34	2,000.00
042	postage		5,003.95	12,529.94	5,041.22	10,000.00
044	board of education	25,359.00	38,370.97	36,780.70	12,423.42	38,000.00
051	transportation activity trips	13,453.16	39,633.67	51,551.86	65,367.38	65,000.00
052	custodians special events	3,128.20	421.94	66.34	508.18	1,000.00
055	unused sick leave	154,610.21	54,373.29	64,626.21	71,022.15	70,000.00
056	unused vacation	35,087.14	12,947.40	18,105.20	31,054.31	34,000.00
057	retirement incentive	342,972.02	415,024.28	369,767.75	329,998.26	310,000.00
060	gym proctors	15,578.75	15,116.65	30,784.30	38,012.06	38,000.00
061	support overtime	294,674.22	249,511.59	174,632.86	208,875.67	200,000.00
062	recruiting/retention	32,880.58	25,029.56	30,516.30	26,260.68	30,000.00
063	tuition reimbursement	19,817.59	17,716.74	19,412.68	17,245.58	20,000.00
064	employee referral program	1,027.76	17,645.14	5,046.23	11,145.28	15,000.00
065	employees of the year		10,773.65	10,780.52	1,602.32	11,000.00
066	in district travel	39,341.44	47,703.18	47,825.30	44,702.00	45,000.00
067	prof dvlpmt supt office			10,318.74	30,741.67	40,000.00
068	prof dvlpmt district svcs			860.00	3,217.00	15,000.00
069	prof dvlpmt athletics substitutes			2,020.93	602.96	2,000.00
070	prof dvlpmt technology			1,050.00	8,683.06	20,000.00
071	prof dvlmpt finance/payroll/hr			0.00	12,539.76	18,000.00
078	above scale stipend	67,995.77	54,668.32	69,276.72	67,194.05	67,000.00
080	high school graduation	29,262.30	32,241.06	34,720.51	36,695.33	38,000.00
091	spark start up expenses		26,570.59	14,290.92	4,138.49	
108	extra curricular testing	4,632.00	6,588.00	7,185.00	7,066.00	8,000.00
113	technology	178,936.56	9,002.43	25,052.85	8,736.51	25,000.00
114	instructional resources			115.96		
117	safety			32,375.00		261,204.00
130	professional development district wide	20,634.01	47,553.41	6,867.72	45,438.73	20,000.00
131	professional development site based	14,851.35	14,687.10	12,794.11	17,671.65	21,150.00
150	indirect cost federal budgets			40,562.03	53.50	5,000.00
165	robotics	15,637.59	10,480.57	11,309.88	16,454.91	23,000.00
166	gifted	12,433.05	26,773.68	30,978.01	50,085.94	50,990.00
167	performing arts center	9,996.16	9,987.14	9,983.38	9,966.85	10,000.00
168	ram academy site budget	1,555.74	1,126.98	1,614.36	1,696.32	1,723.00
170	local indian education	3,674.56	6,324.06	8,000.00	5,806.16	8,000.00
171	nurses	19,760.89	26,411.70	29,523.68	25,234.06	32,000.00
174	local special education	44,530.08	110,756.55	201,181.80	219,458.32	225,000.00
178	high school site budget	36,563.88	50,727.78	62,892.00	50,538.66	75,382.00
181	8th grade center site budget	8,337.89	12,422.28	16,079.57	16,619.50	17,098.00

Owasso Public Schools

General Fund Expenditure Budget

Project Codes

code	description	F.Y 2021-22 Actual	F.Y 2022-23 Actual	F.Y 2023-24 Actual	F.Y 2024-25 Actual	F.Y 2025-26 Budget
182	7th grade center site budget	14,859.70	9,601.05	13,681.36	13,158.47	15,704.00
183	6th grade center site budget	10,520.29	7,912.00	2,805.31	5,651.22	15,653.00
184	barnes site budget	10,487.22	11,082.19	10,247.23	10,473.02	11,295.00
185	ator site budget	8,395.17	7,456.31	8,070.24	5,956.23	8,193.00
186	mills site budget	7,058.82	8,328.52	5,358.42	3,830.00	10,232.00
187	smith site budget	5,381.32	4,745.64	6,295.99	7,791.15	9,009.00
188	hodson site budget	8,449.78	6,796.74	10,906.58	10,027.74	12,419.00
189	bailey site budget	8,414.43	6,148.92	6,264.90	8,754.05	10,270.00
190	morrow site budget	10,803.73	11,926.03	13,930.50	13,854.34	14,027.00
191	northeast site budget	2,493.94	4,356.50	7,629.37	4,661.52	10,947.00
192	stone canyon site budget	11,893.20	12,429.37	12,621.07	12,771.77	13,033.00
193	stem	18,648.76	19,826.87	17,294.19	18,883.69	21,000.00
194	blended learning	158,971.60	175,784.93	209,862.95	248,364.03	250,000.00
195	fine arts	129,906.58	121,470.81	138,906.09	130,813.49	140,800.00
199	oklahoma aeronautics grant		1,576.29	0.00	2,976.59	
241	opioid abatement grant				4,603.00	112,500.00
275	payroll burdens - otep grant				17,013.66	15,000.00
305	inspired to teach employment incentive				12,000.00	12,000.00
312	national board certified state stipends	80,150.00	66,300.00	85,600.00	74,000.00	85,000.00
331	in lieu of health insurance certified	135,144.71	128,545.24	134,122.04	137,468.12	137,000.00
332	in lieu of health insurance support	397,210.86	438,309.04	469,322.08	451,718.40	451,000.00
333	textbooks state	813,201.32	631,126.83	643,970.64	638,273.19	628,737.00
334	health insurance certified	3,712,714.91	3,888,283.16	4,161,171.47	4,448,178.53	4,525,000.00
335	health insurance support	1,320,346.74	1,374,309.04	1,616,879.27	1,899,592.00	1,965,000.00
352	teacher induction and mentor program		1,171.50	0.00		
361	achieving classroom excellence (ace)	2,108.70		0.00		
367	reading suffinciency act	60,683.08	65,219.25	125,782.40	120,621.19	200,000.00
375	otep grant				382,500.00	305,000.00
376	school resource officer			92,000.00	91,829.62	93,041.00
377	maternity leave				101,064.57	102,000.00
388	alternative education state	138,136.32	144,963.49	126,910.12	135,121.74	135,000.00
411	comprehensive secondary programs	26,440.00	26,440.00	38,160.00	32,040.00	34,240.00
412	vocational program incentive	39,013.63	27,094.29	26,374.15	54,599.44	77,000.00
469	oklahoma education lottery grants	15,000.00	10,473.62	0.00		
511	title 1	756,249.12	736,926.73	940,772.68	987,695.28	990,000.00
518	title 1 part a	14,025.88	12,456.89	18,348.66	1,705.58	2,000.00
541	title 2a	259,897.79	179,171.95	198,035.16	264,523.98	265,000.00
552	part A student support formula grants	37,116.72	54,148.09	66,012.08	67,568.19	67,000.00
561	indian education	369,134.55	400,450.86	393,596.00	412,971.00	415,000.00
563	johnson o'malley	58,600.14	58,433.13	66,094.73	122,668.05	122,000.00
565	jom additional funding		2,723.22			
571	immigrant education	580.29	14,629.45	12,138.13	119.28	
572	english language acquisition	18,757.06	48,459.43	68,610.72	62,098.41	60,000.00
613	special eduation staff development	966.50	5,343.68	8,201.12	10,726.06	10,000.00
615	special education mini grant	7,142.84	6,734.09	2,725.08	4,167.34	
618	transitions development program			9,560.97	22,820.87	23,000.00
621	special education flow through	1,644,935.10	1,625,405.99	1,706,208.52	1,985,563.58	1,986,000.00
625	special education private schools	9,000.00	9,000.00	9,423.75	10,757.55	10,000.00
628	ARP special ed flow through	17,938.86	237,237.34	192,231.13		
629	ARP special education private schools		1,645.00	1,786.76		
641	special education preschool	21,191.12	26,740.54	42,462.77	46,932.83	47,000.00
643	ARP special education preschool		5,570.33	19,101.84		

Owasso Public Schools

General Fund Expenditure Budget

Project Codes		F.Y 2021-22 Actual	F.Y 2022-23 Actual	F.Y 2023-24 Actual	F.Y 2024-25 Actual	F.Y 2025-26 Budget
code	description					
644	ARP special ed preschool private			787.36		
721	geer cares act	120,760.79		0.00		
724	school nurse support grant		251,147.77	0.00		
725	paid student teacher program	1,749.00	12,245.17	5,546.56	6,996.00	7,000.00
726	okla science of reading academies		2,256.73	6,465.36	7,092.52	7,000.00
771	flood conrol	43.97	44.10	43.79	166.23	100.00
788	cares act	55,128.74	7,835.48	0.00		
793	esser II	544,837.70	753.18	0.00		
794	esser II state set aside	1,862,386.83		0.00		
795	esser III arp	62,112.87	3,008,353.04	755,376.91	155,754.41	
797	esser iii homeless	0.00	0.00	10,931.82	4,271.53	
total		**65,110,225.91**	**69,196,021.25**	**77,295,483.72**	**80,410,419.35**	**82,175,763.00**

Owasso Public Schools **General Fund Non-Payroll Budget**

object code	description	FY 2022 Total	FY 2023 Total	FY 2024 Total	FY 2025 Total	FY 2026 Budget
271,281	unemployment	25,610	21,770	12,130	18,710	19,000
273,283	workers comp	256,777	266,868	215,028	239,882	248,141
	total 200	**282,387**	**288,638**	**227,158**	**258,592**	**267,141**
310	admin svcs	22,259	20,325	20,983	22,321	1,342
311	board of ed services	18,460	19,557	24,500	24,487	28,000
312	mgmt svcs	0	26,000	26,000		
320	prof ed svcs	15,984	22,267	19,351	29,476	28,000
321	instr prog impr svcs	29,658	94,823	58,001	56,615	55,000
322	instr svcs	68,390	182,585	129,270	123,418	185,000
323	student svcs	860	4,468	68,839	58,044	55,000
331	acct svcs	18,350	20,590	20,590	21,100	25,000
333	bargaining svcs	7,020				
334	engineering svcs	3,000				
336	med svcs	396,107	516,650	535,315	481,939	482,000
337	other prof svcs	23,086	9,636	39,232	13,461	13,400
342	data processing svcs			299		
344	security svcs	184,840	185,315	240,108	188,564	187,000
345	other competive events			450	450	450
346	tech svcs	3,700	3,450	3,471	3,280	3,280
357	legal svcs	70,503	34,360	70,585	89,127	95,000
359	professional staff training		2,500	7,500	4,400	4,400
	total 300	**862,217**	**1,142,525**	**1,264,493**	**1,116,682**	**1,162,872**
420	cleaning svcs	232	204	192	204	200
423	disposal svcs	1,156	7,885	20,041	37,250	37,250
426	lawn care svcs	232,749	225,871	231,700	170,850	0
431	non-technology svcs	2,018		1,487	4,059	4,000
432	technology svcs				1,772	0
434	groundskeeping	200		56		170,600
435	vehicle services					240,000
436	office machine svcs	200	825	3,413	660	500
438	bldg grounds svcs	33,273	12,553	12,087	36,266	36,000
439	equip and vehicle svcs	104,755	69,477	177,403	269,137	45,000
442	equip and vehicle rental	7,181	7,078	11,181	13,680	13,600
443	bldg rental	26,281	26,490	28,740	30,166	30,166
445	uniform services			5,621	5,372	5,500
449	other rental	6,513	9,219	4,695	3,405	3,500
456	painting svcs				4,000	0
459	other constr svcs			10,885	9,984	10,000
	total 400	**414,556**	**359,602**	**507,501**	**586,805**	**596,316**
513	student transp svcs	0	5,880			
515	student travel - lodging	21,699	9,870			
522	liability ins	293,604	293,569	220,186	232,220	265,000
525	surety bonds	3,465	3,535	3,545	2,760	2,760
530	comm svcs	51,570	65,292	93,668	141,610	110,000
540	advertising	8,380	13,490	9,524	5,699	6,000
550	printing	7,182	12,911	8,946	16,491	12,000
561	to other LEA in state	29,870				
567	voucher pmt	1,825	800	150	300	300
580	staff travel	63	443	720	2,287	2,287
581	in district travel				457	0
582	out of district travel	76,605	53,323	95,594	64,625	70,000
	total 500	**494,264**	**459,113**	**432,332**	**466,448**	**468,347**

Owasso Public Schools

General Fund Non-Payroll Budget

object code	description	FY 2022 Total	FY 2023 Total	FY 2024 Total	FY 2025 Total	FY 2026 Budget
611	paper	62,012	125,784	101,602	96,647	100,000
612	bus supplies	302,004	371,861	387,426	344,800	350,000
614	testing supplies	19,584	23,497	16,289	32,636	33,000
615	films,videos, audio spls		936			
616	health supplies	16,000	24,954	16,459	16,502	16,500
617	kitchen supplies	5,944	52	42	370	370
618	cleaning supplies	87,743	32,416	79,850	75,926	76,000
619	general supplies	126,774	128,348	153,314	180,990	180,000
621	bottled gas	302	386	454	258	300
623	diesel	400,628	465,645	367,922	268,786	285,000
625	gas	106,716	101,994	99,492	89,221	95,000
641	books	37,324	27,711	43,969	38,365	40,000
642	periodicals	140	180	1,160	1,440	1,400
644	supplemental textbooks	14,209		76,902	192	0
645	workbooks	990	2,211	1,824	1,556	1,500
647	newspapers	189	189	264	264	264
648	magazines	560	1,273	1,092	944	1,000
651	appliances/fixtures	29,272	47,207	35,044	35,204	35,000
652	audiovisual	2,370	3,421	4,633	22,132	4,000
653	tech supplies	278,933	167,141	189,245	163,935	165,000
655	instruments	624				
656	machines	4,509	1,754	12,857	6,979	6,500
657	uniforms	3,713	7,624	12,193	8,775	9,000
658	adaptive supplies	17,350	21,858	26,801	34,369	35,000
681	cocurricular	95,396	190,169	187,774	135,489	145,000
682	awards,gifts,regalia	9,217	13,866	12,009	22,569	20,000
683	extracurricular supplies	17,357	33,144	18,513	21,048	21,000
	total 600	**1,639,862**	**1,793,619**	**1,847,129**	**1,599,395**	**1,620,834**
711	athletic areas			1,600		
715	parking	1,929				
716	playground impr	7,927	8,449	33,872		
719	other improvements	1,268	385		2,900	0
731	appliances/fixtures		156	4,100	6,498	6,498
732	audiovisual equip	445	1,824	427		
739	security equip	0	130			
762	busses	0		115,974		
	total 700	**11,568**	**10,944**	**155,973**	**9,398**	**6,498**
810	dues and fees	69,824	58,142	77,884	84,465	75,000
811	memberships				19,090	25,000
860	regristration/tuition	139,241	160,905	275,884	267,468	270,000
870	county assessment fee	188,681	188,543	202,135	187,324	203,000
	total 800	**397,746**	**407,591**	**555,902**	**558,347**	**573,000**
930	reimbursement	17,976	10,459	2,134	13,621	12,000
	total 900	**17,976**	**10,459**	**2,134**	**13,621**	**12,000**
total non-payroll general fund		**4,120,576**	**4,472,492**	**4,992,621**	**4,609,289**	**4,707,008**

Owasso Public Schools **General Fund** Salary and Benefits By Job Code - Total Cost to District

Job Code	Description	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	Budget FY 2025-26
104	dean of students	14,596	12,525			
105	asst principal	1,616,547	1,709,835	2,100,759	2,125,850	**2,172,618**
106	asst superintendent	276,092	330,221	350,711	355,895	**363,725**
107	executive asst/cfo	159,716	175,135	185,253	187,933	**192,068**
108	instructional director/coordinator	491,546	596,833	640,396	937,676	**958,305**
109	manager	369,462	307,060	442,090	449,696	**459,589**
110	noninstructional director/coordinator	1,563,380	1,957,322	2,191,362	2,324,113	**2,375,243**
112	principal	1,542,959	1,524,346	1,683,013	1,678,668	**1,715,599**
115	superintendent	210,063	245,808	246,460	288,192	**294,532**
201	athletic coach	422,744	573,511	615,670	741,746	**758,064**
202	behavioral mgmt specialist			96,393	8,275	**8,457**
203	counselor	1,710,448	1,681,359	1,872,804	1,976,171	**2,019,646**
204	curriculum specialist		63	0		**0**
206	librarian	1,101,714	1,071,081	1,157,102	1,173,680	**1,199,501**
207	remedial specialist	1,205,076	1,121,017	1,278,690	1,534,406	**1,568,162**
208	student activities advisor	75,005	81,248	99,459	122,281	**124,971**
210	teacher	33,840,409	33,603,525	37,384,100	37,810,106	**38,641,928**
211	teacher trainer	205,452	322,366	305,873	556,648	**568,895**
213	resource teacher	1,308,686	2,305,352	2,597,003	3,182,825	**3,252,847**
214	substitutes	604,757	813,701	704,462	769,014	**785,933**
216	speech language asst			36,437	37,301	**38,121**
218	adjunct coach		75,786	4,521		**0**
301	accountant	104,737	113,081	122,316	125,814	**128,582**
307	athletic trainer	163,113	273,885	344,584	396,686	**405,414**
311	benefits specialist	126,856	134,297	147,587	190,172	**194,356**
312	payroll specialist	144,859	142,806	174,788	258,938	**264,634**
315	computer systems analyst	57,164	58,326	59,920	78,763	**80,496**
328	interpreter		30	1,475	86	**88**
332	network administrator	190,965	204,721	220,030	94,019	**96,087**
334	occupationalist therapist	7,930	0	0		**0**
337	personnel officer/specialist		14,827	0	1,128	**1,153**
341	retirement incentive	342,972	426,731	369,156	329,412	**336,659**
343	psychologist	332,031	422,639	547,543	452,269	**462,219**
344	public relations	154,279	173,595	183,566	199,162	**203,544**
346	recreation worker	775	8,042	9,052	13,238	**13,529**
347	nurse	489,656	597,748	650,079	776,710	**793,797**
348	registrar	160,954	196,770	202,631	229,598	**234,649**
353	speech path	936,426	857,228	1,076,280	1,086,449	**1,110,351**
360	cert nurse asst	156,785	173,041	192,213	165,931	**169,581**
402	bilingual aid	24,151	114,828	182,172	196,040	**200,353**
404	career aid	8,639	50,929	83,966	85,109	**86,981**
405	pre-k aid	176,167	0	0		**0**
409	monitor	160,804	174,436	152,704	161,402	**164,953**
413	teaching aid non highly qualified	638,713	491,976	508,747	656,732	**671,180**
414	paraprofessional tier I	1,505,153	633,597	670,339	1,025,337	**1,047,895**
415	tutor	25,022	23,213	5,136	1,852	**1,892**
418	paraprofessional tier II		1,680,368	2,270,153	2,033,270	**2,078,002**
502	computer tech	467,256	515,060	532,108	523,389	**534,904**
510	psychometrist	81,782	8,003	211		**0**
601	bookkeeping	294,511	294,215	383,300	386,663	**395,170**
605	dispatcher	6,731	0	0		**0**
609	general office	594,939	676,136	741,199	754,047	**770,636**
613	receptionist	45,812	51,059	64,478	58,927	**60,223**

Owasso Public Schools **General Fund** Salary and Benefits By Job Code - Total Cost to District

Job Code	Description	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	Budget FY 2025-26
614	records clerk	2,075	2,280	2,357	2,395	**2,448**
615	secretary	920,325	1,052,491	1,050,531	1,160,426	**1,185,955**
617	warehouse supplies handler	168,639	183,905	184,271	187,123	**191,240**
690	supt secretary	52,089	61,409	64,497	65,954	**67,405**
707	general maintenance	600,787	567,361	668,311	736,603	**752,808**
712	mechanic	186,980	257,880	269,293	285,644	**291,928**
801	bus driver	2,152,435	2,442,639	2,507,644	2,780,786	**2,841,964**
802	other vehicle driver	21,454	58,183	71,748	99,359	**101,545**
803	substitute driver	12,701	16,006	8,305	12,798	**13,079**
951	bus monitor/crossing guard	690,872	765,405	822,751	790,680	**808,075**
954	custodian	2,040,247	2,263,401	2,586,888	2,796,617	**2,858,143**
959	security officer			163,922	327,621	**334,829**
961	security guard	12,591	12,581	12,401	13,244	**13,535**
964	subs for custodians	10,620	20,308	1,652	260	**266**
Total General Fund Salaries and Benefits		60,989,650	64,723,529	72,302,863	75,801,130	**77,468,755**

Owasso Public Schools



Building Fund

Definitions:

SPECIAL REVENUE FUND - *Account for the proceeds of specific revenue sources (other than expendable trusts or major capital projects) that are legally restricted to expenditures for specified purposes.*

21* Building Fund - *The building fund of any school district shall consist of all monies derived from the proceeds of a building fund levy, voted by the people of a school district, not to exceed five mills in any year, as defined in 70 O.S. § 1-118.*

Schools which receive gifts or donations or state-appropriated monies for the purpose of capital expenditures or projects shall place such monies in the building fund, and not in the general fund.

School districts which receive monies from rental, sale, or lease of buildings, Impact Aid monies, or grants, whether from state, federal, or other sources, may place such monies in the building fund or the general fund authorized by 70 O.S. § 1-117.

Owasso Public Schools

Building Fund Summary

	F.Y. 2022 Actual	F.Y. 2023 Actual	F.Y. 2024 Actual	F.Y. 2025 Actual	**F.Y. 2026 Budget**
Beginning Fund Balance	1,677,855.34	3,328,034.56	3,486,854.69	4,009,841.87	4,281,377.64
Revenue					
current year ad-valorem	3,082,026.47	3,476,322.03	3,772,099.09	4,060,673.99	4,223,100.94
prior year ad-valorem	34,296.49	229,015.91	41,258.51	42,150.51	40,000.00
interest	8,336.76	65,947.43	85,318.24	101,253.59	100,000.00
rental of facilities	53,890.16	45,805.00	63,007.00	69,897.75	65,000.00
insurance loss recoveries		138,881.47	12,723.00		
utilities reimbursement	17,970.34	28,491.00	18,034.77	24,305.30	10,000.00
miscellaneous	3.86	3.79	1,262.51	3,261.46	
redbud			1,156,847.36	1,082,566.26	1,000,000.00
esser II	2,716,313.28	195,007.34			
american recovery plan		806,691.19	119,667.13		
correcting entry	0.00	424.23	0.00	0.00	0.00
total revenue	**5,912,837.36**	**4,986,589.39**	**5,270,217.61**	**5,384,108.86**	**5,438,100.94**
Expenditures					
other professional svcs	21,950.94	20,151.00		3,825.00	4,000.00
tech related svcs		1,684.00	8,875.00	410.00	2,500.00
water/sewer	177,600.25	147,293.21	148,259.11	165,381.64	160,000.00
disposal	84,286.66	92,073.17	95,849.44	92,273.80	94,000.00
exterminator	8,520.00	27,000.00	35,100.00	32,400.00	30,000.00
tech svcs				2,130.30	
cooling	495,000.00	550,000.08	550,000.08	580,632.08	580,000.00
electrical	23,535.09	7,441.49	46,857.63	7,009.75	15,000.00
plumbing	725.00	10,862.95	13,237.38	13,577.80	20,000.00
other bldg svcs	95,576.57	301,918.83	225,768.41	107,329.77	135,000.00
other equip svcs	1,645.00	32,253.72	13,411.24	6,687.02	10,000.00
equipment and vehicle svcs	109,211.33	122,087.80	129,308.22	136,725.88	140,000.00
other rental/lease svcs		5,362.80			
other heating/cooling svcs		23,728.72	7,395.88	32,664.62	8,000.00
roofing	2,900.00	0.00			
other construction svcs	26,360.05	51,508.22	17,438.65	23,809.00	30,000.00
property insurance	830,697.00	975,676.00	1,046,990.00	1,552,716.00	1,400,000.00
communication svcs	241,842.54	99,440.30	117,854.62	121,076.01	121,000.00
cleaning supplies and chemicals	298,715.79	329,777.43	288,905.95	334,478.80	325,000.00
electricity	1,411,706.14	1,711,784.35	1,778,191.15	1,675,812.78	1,800,000.00
natural gas	274,059.92	242,522.30	175,763.36	193,996.94	200,000.00
appliances/furniture	21,125.57	59,469.67	22,911.16	29,635.90	30,000.00
landscaping			2,710.00	0.00	
parking					
other improvements					
heating/cooling systems	137,200.29	15,308.99	22,403.15	0.00	
reimbursement	0.00	424.23	0.00	0.00	0.00
total expenses	**4,262,658.14**	**4,827,769.26**	**4,747,230.43**	**5,112,573.09**	**5,104,500.00**
Prior Year Adjustments					
Ending Fund Balance	**3,328,034.56**	**3,486,854.69**	**4,009,841.87**	**4,281,377.64**	**4,614,978.58**

Owasso Public Schools

Child Nutrition Fund

Definitions:

SPECIAL REVENUE FUND - *Account for the proceeds of specific revenue sources (other than expendable trusts or major capital projects) that are legally restricted to expenditures for specified purposes.*

22* Child Nutrition Programs Fund - *Title 70 O.S. § 5-158 states that state, federal, and local collections for child nutrition monies may be placed in a governmental budget account that will be administered through your school district treasurer and appropriated separately from all other appropriated funds. The beginning fund balance each year, combined with all actual revenues including collected and estimated revenues, must be appropriated before being expended. Purchase orders shall be issued against available appropriations, and once goods or services have been received, either payable or nonpayable warrants shall be issued in payment of all purchase orders.*

Owasso Public Schools **Child Nutrition Fund Budget**		Fy 2021-22 Actual	Fy 2022-23 Actual	Fy 2023-24 Actual	Fy 2024-25 Actual	Fy 2025-26 Budget
Beginning Fund Balance		1,144,882.53	2,286,586.70	2,542,882.97	**2,572,917.00**	**2,233,404.82**
Revenue						
local	interest	7,258.97	54,237.07	79,428.42	79,261.27	75,000.00
	reimbursements	2,465.94	426.21	1,309.14		
	student lunches	149,414.36	1,580,753.86	1,577,193.62	1,623,624.91	1,600,000.00
	a la carte sales	73,295.80	44,801.13	38,074.25	60,672.49	62,000.00
	adult lunches	9,598.32	13,829.47	11,577.85	10,379.07	10,300.00
	total local revenue	242,033.39	1,694,047.74	1,707,583.28	**1,773,937.74**	**1,747,300.00**
state	flex benefit	0.00	240,000.00	245,533.34	265,000.00	265,500.00
	state matching	46,696.10	46,106.64	35,174.48	37,122.94	37,200.00
	total state revenue	46,696.10	286,106.64	280,707.82	**302,122.94**	**302,700.00**
federal	emergency operation	14,710.95	257,846.60	232,682.04		
	p-ebt local admin	3,063.00	3,135.00			
	federal lunch reimb	3,944,730.42	1,823,609.64	1,905,313.35	1,923,664.17	1,915,000.00
	federal breakfast reimb	687,780.25	357,297.36	340,832.59	342,940.34	345,000.00
	summer food program	255,505.29	88,068.68	77,243.09	80,997.66	60,000.00
	total federal revenue	4,905,789.91	2,529,957.28	2,556,071.07	**2,347,602.17**	**2,320,000.00**
other	change/reimb/correcting	2,063.98	10,450.65	12,969.47	8,755.76	9,000.00
Total Revenue		5,196,583.38	4,520,562.31	4,557,331.64	**4,432,418.61**	**4,379,000.00**
Expenses						
salaries	office staff	124,528.70	136,542.01	145,359.66	142,242.81	150,000.00
	cook/food preparer	1,640,526.76	2,055,382.31	2,068,027.30	2,298,306.16	2,426,736.00
	total salaries	1,765,055.46	2,191,924.32	2,213,386.96	**2,440,548.97**	**2,576,736.00**
non-salary	technology related svcs	11,842.50	12,484.00	12,514.00	13,539.00	13,539.00
	extermination svcs	3,570.00	2,225.00	6,405.00	8,050.00	8,100.00
	cleaning svcs	4,150.00	4,600.00	4,600.00		17,000.00
	electrical svcs	2,600.00		12,985.00	19,936.52	40,000.00
	office machine svcs	706.70	688.00	717.00	1,528.00	1,600.00
	other building services			6,548.04		
	other equipment svcs	82,411.44	67,637.14	15,183.89	30,028.92	51,000.00
	food storage		215.00			8,000.00
	surety bonds	178.00	178.00	178.00	178.00	350.00
	advertising	55.00				
	printing and binding	300.00		2,015.00	4,755.50	4,755.00
	food services managemer	2,086,365.54	1,851,139.54	1,911,193.53	1,912,295.79	2,000,000.00
	other purchase svcs	9,158.44	9,158.44	9,773.70	10,536.38	10,500.00
	automotive and bus supplies		1,100.00			
	cleaning supplies	6,403.68	8,220.07	10,919.20	12,867.63	26,000.00
	general supplies			12.85	545.39	250.00
	appliances	16,347.38	4,250.64	175,731.72	51,025.56	257,117.00
	technology equip/supplies	249.28			5,250.27	
	uniforms	6,542.00	3,200.50	7,555.36	5,708.21	8,000.00
	furniture & fixtures		95,457.14	92,094.74	220,398.70	220,399.00
	technology related hardware			32,005.00	19,884.00	
	vehicles	51,293.00				
	dues and fees	1,374.00	1,379.00	699.00	1,339.75	2,000.00
	reimbursement	5,106.96	7,909.25	10,279.62	11,014.20	11,000.00
	change/cash	1,200.00	2,500.00	2,500.00	2,500.00	2,500.00
	total non-salary expenses	2,289,853.92	2,072,341.72	2,313,910.65	2,331,381.82	2,682,110.00
Expenditures		4,054,909.38	4,264,266.04	4,527,297.61	4,771,930.79	5,258,846.00
estopped checks		30.17				
Ending Fund Balance		2,286,586.70	2,542,882.97	2,572,917.00	**2,233,404.82**	**1,353,558.82**

Owasso Public Schools



Bond Fund

Definitions:

CAPITAL PROJECTS FUNDS - *Account for financial resources used to acquire or construct major capital facilities other than those of proprietary and trust funds. A bond fund holds proceeds from the sale of bonds from which all expenditures for bond projects are paid, as defined in 62 O.S. § 574.*

31 (General purpose) Bond Fund(s) of (fiscal year authorized)*
32 (General purpose) Bond Fund(s) of (fiscal year authorized)*
33 (General purpose) Bond Fund(s) of (fiscal year authorized)*
34 (General purpose) Bond Fund(s) of (fiscal year authorized)*
35 (General purpose) Bond Fund(s) of (fiscal year authorized)*
36 (General purpose) Bond Fund(s) of (fiscal year authorized)*
37 (General purpose) Bond Fund(s) of (fiscal year authorized)*
38 (General purpose) Bond Fund(s) of (fiscal year authorized)*
39 (General purpose) Bond Fund(s) of (fiscal year authorized)*

Owasso Public Schools

Bond Funds Budget Summary

Fiscal Year 2025-2026	2022 authorizaton bond 31	2025 authorization bond 32	2016 authorization bond 33	2017 authorization bond 35	2020 authorization bond 39
FY 26 Beginning Fund Balance	39,260,027.51	0.00	713.68	38,156.54	176,930.53
Revenue					
interest/other	1,200,000.00	80,000.00	0.00	0.00	0.00
correcting entry	0.00		0.00	0.00	0.00
bond proceeds	0.00	7,400,000.00	0.00	0.00	0.00
total revenue	1,200,000.00	7,480,000.00	0.00	0.00	0.00
Expenditures					
department budgets					
non categorical			713.68	38,156.54	4,963.79
copiers	247,675.00				
transportation vehicles	397,224.76				
technology	5,543,328.98				
instructional resources	2,573,259.18				
athletics	206,009.71				
safety	392,962.88				
operations	4,630,410.77				105,775.75
fine arts	640,036.29				14,118.44
nurses equipment	50,948.91				
library	179,420.46				
capital projects budgets					
district roofing	5,000,000.00				
track	230,000.00				
hodson	3,000,000.00				
8th grade center	9,043,052.00	7,000,000.00			
transportation facility	1,500,000.00				
5th grade center		400,000.00			52,072.55
total expenditures	33,634,328.94	7,400,000.00	713.68	38,156.54	176,930.53
Ending Balance	6,825,698.57	80,000.00	0.00	0.00	0.00

Owasso Public Schools



Sinking Fund

Definitions:

DEBT SERVICE FUNDS - *Account for the accumulation of resources for, and the payment of, general long-term debt, principal and interest.*

41* Sinking Fund - *The sinking fund of any district shall consist of all money derived from ad valorem taxes or otherwise as provided by law for the payment of bonds and judgments and interest thereon, as defined in 70 O.S. § 1-119.*

Owasso Public Schools

Sinking Fund Summary

	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	**Projected FY 2025-2026**
Beginning Cash Balance	16,202,175.01	4,894,011.47	2,943,531.65	2,035,668.91	**5,553,565.30**
revenue					
ad valorem current year	16,353,652.52	19,274,965.41	17,817,610.22	21,027,167.53	**22,046,985.00**
ad valorem prior year	176,762.92	1,220,985.54	226,341.66	207,256.38	**200,000.00**
interest	78,969.47	331,072.67	301,311.73	377,729.07	**346,000.00**
accrued interest on bonds sold				71,059.99	
premium on bonds sold	354,381.38	241,275.84	13,591.13	1,504,841.20	
other	20.17	20.72	1,632.52	15,267.22	**10,000.00**
Total Revenue	16,963,786.46	21,068,320.18	18,360,487.26	23,203,321.39	**22,602,985.00**
Debt Service Expenses					
interest	821,950.00	1,488,800.00	2,613,350.00	2,030,425.00	**1,885,470.00**
principal	27,450,000.00	21,530,000.00	16,655,000.00	17,655,000.00	**16,040,000.00**
Total Debt Service	28,271,950.00	23,018,800.00	19,268,350.00	19,685,425.00	**17,925,470.00**
Ending Cash Balance	4,894,011.47	2,943,531.65	2,035,668.91	5,553,565.30	**10,231,080.30**

Owasso Public Schools

Schedule of Bonded Indebtedness as of July 1, 2025

issue date	total outstanding as of 7-1-25	payment date	payment type	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
6/1/2023	$30,000,000	1-Dec	interest	701,250.00	375,000.00			
		1-Jun	interest	701,250.00	375,000.00			
		1-Jun	principal	15,000,000.00	15,000,000.00			
3/1/2024	$8,300,000	1-Sep	interest	362,227.50	104,362.50	49,912.50		
		1-Mar	interest	120,742.50	104,362.50	49,912.50		
		1-Mar	principal	1,040,000.00	3,630,000.00	3,630,000.00		
3/1/2025	$33,660,000	1-Sep	interest		2,019,600.00	673,200.00	620,800.00	310,400.00
		1-Mar	interest		673,200.00	673,200.00	620,800.00	310,400.00
		1-Mar	principal			2,620,000.00	15,520,000.00	15,520,000.00
Fiscal Year Totals			interest	1,885,470.00	3,651,525.00	1,446,225.00	1,241,600.00	620,800.00
			principal	16,040,000.00	18,630,000.00	6,250,000.00	15,520,000.00	15,520,000.00

Owasso Public Schools



Jennifer Gibson Memorial Fund

Definitions:

ENDOWMENT FUNDS - *This fund is used to account for resources that are legally restricted to the extent that only earnings, and not principal, may be used for purposes that support the school district's programs.*

Owasso Public Schools

Jennifer Gibson Memorial Fund

	Fiscal Year 2019-2020	Fiscal Year 2020-2021	Fiscal Year 2021-2022	Fiscal Year 2022-2023	Fiscal Year 2023-2024	Fiscal Year 2024-2025	**Fiscal Year 2025-2026 Projected**
Beginning Fund Balance	0.00	202,242.02	200,912.11	200,865.48	204,264.61	206,120.29	**206,877.58**
Revenue							
interest	2,242.02	912.11	865.48	4,264.61	6,120.29	6,877.58	**6,500.00**
donation	200,000.00						
Expenditures							
transfer to activity fund		2,242.02	912.11	865.48	4,264.61	6,120.29	**6,877.58**
Ending Fund Balance	202,242.02	200,912.11	200,865.48	204,264.61	206,120.29	206,877.58	**206,500.00**

OWASSO RAMS

DEPARTMENT OF ATHLETICS

OHS Gym ADVERTISING AGREEMENT
Ram Club – Football

THIS AGREEMENT is made and entered by and between the OWASSO ATHLETIC DEPARTMENT of THE INDEPENDENT SCHOOL DISTRICT NO. 11 OF TULSA COUNTY, OKLAHOMA, a/k/a Owasso Public Schools (the "District") and Josh Wawrzonek (the "Sponsor).

In consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. **Scoreboard Advertising.** The District hereby designates the Sponsor as a Ram Club - 1 Sponsor and leases to the Sponsor one digital rotation on LED sign on the Stadium digital board that is on the Wellness Center.

2. **Term.** The term of this Agreement shall extend for a period of one (1) school year beginning on 10/1/2025 of the current year and ending on 7/31 of the next year.

3. **Consideration.** The Sponsor agrees to pay the Athletic Department $1,000 per year, in advance and paid in full of the current year, in consideration for the advertising rights granted to the Sponsor during the term of this Agreement.

4. **Installation and Maintenance**. The Sponsor will bear the responsibility and expense for the fabrication and submission to the Athletic Department of the District of said Sponsor's logo for the Sponsor's advertising panel. All such activities will be coordinated with the District. Sponsor agrees to submit an artwork and advertising copy to the District for approval prior to the installation on the scoreboard. The District may reject, in whole or in part, any artwork or advertising copy which the District, in its sole discretion, determines to be objectionable in appearance or subject matter, offensive, controversial, contrary to the educational mission of the District, or which interferes with existing marketing programs or contracts.

5. **Location.** The District will, in its sole discretion, determine the specific location on the scoreboard/message center where the Sponsor's advertising panel will be displayed.

6. **Intellectual Property Rights.** The Sponsor represents and warrants to the District that all marks, logos and advertising copy is owned by the Sponsor or that the Sponsor has the authority to make use of such property in the manner contemplated by the Agreement. The Sponsor agrees to indemnify and hold the District harmless from and against all claims, damages, costs and expenses, including attorneys' fees, arising from any claims for trademark or copyright infringement or violation of other intellectual property rights.

7. **Termination.** The District may terminate this Agreement by written notice of the Sponsor if the Sponsor fails to pay rental payments within (10) days after notice of nonpayment or for material breach by the Sponsor of any other term or condition contained herein.

8. **Assignment.** The Agreement may not be assigned by Sponsor, in whole or in part, without the prior written consent of the District.

9. **Entire Agreement.** This Agreement sets forth the entire agreement of the parties and replaces and supersedes all other agreements. This Agreement cannot be modified, terminated or otherwise amended except by written instrument signed by both parties.

Dated: 09/26/2025

Owasso Athletic Department

by: _____
BOE President

_____

by: _____
Athletic Director
ZACH DUFFIELD

By: __Josh Wawrzonek_____
Owner / Representative