SPECIAL WORK SESSION AGENDA
A M E N D E D

CITY COUNCIL SPECIAL WORK SESSION
TUESDAY
JANUARY 24, 2023

COUNCIL CHAMBERS
211 WEST ASPEN AVENUE
3:00 P.M.

All City Council Meetings are live streamed on the city's website (https://www.flagstaff.az.gov/1461/Streaming-City-Council-Meetings)

PUBLIC COMMENT

Verbal public comments may be given through a virtual public comment platform or in-person

If you want to provide a verbal comment during the Council Meeting, use the link below to join the virtual public comment room.

VIRTUAL PUBLIC COMMENT WAITING ROOM

Written comments may be submitted to publiccomment@flagstaffaz.gov. All comments submitted via email will be considered written comments and will be documented into the record as such.

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1. Call to Order

NOTICE OF OPTION TO RECESS INTO EXECUTIVE SESSION

Pursuant to A.R.S. §38-431.02, notice is hereby given to the members of the City Council and to the general public that, at this work session, the City Council may vote to go into executive session, which will not be open to the public, for legal advice and discussion with the City's attorneys for legal advice on any item listed on the following agenda, pursuant to A.R.S. §38-431.03(A)(3).

2. ROLL CALL

NOTE: One or more Councilmembers may be in attendance through other technological means.

MAYOR DAGGETT
VICE MAYOR ASLAN
COUNCILMEMBER HARRIS
COUNCILMEMBER HOUSE
COUNCILMEMBER MATTHEWS
COUNCILMEMBER MCCARTHY
COUNCILMEMBER SWEET

3. Pledge of Allegiance, Mission Statement, and Land Acknowledgement

MISSION STATEMENT

The mission of the City of Flagstaff is to protect and enhance the quality of life for all.

LAND ACKNOWLEDGEMENT

The Flagstaff City Council humbly acknowledges the ancestral homelands of this area's Indigenous nations and original stewards. These lands, still inhabited by Native descendants, border mountains sacred to Indigenous peoples. We honor them, their legacies, their traditions, and their continued contributions. We celebrate their past, present, and future generations who will forever know this place as home.

4. Prayer - Indigenous Elder

5. Public Participation

Public Participation enables the public to address the council about items that are not on the prepared agenda. Public Participation appears on the agenda twice, at the beginning and at the end of the work session. You may speak at one or the other, but not both. Anyone wishing to comment at the meeting is asked to fill out a speaker card and submit it to the recording clerk. When the item comes up on the agenda, your name will be called. You may address the Council up to three times throughout the meeting, including comments made during Public Participation. Please limit your remarks to three minutes per item to allow everyone to have an opportunity to speak. At the discretion of the Chair, ten or more persons present at the meeting and wishing to speak may appoint a representative who may have no more than fifteen minutes to speak.

6. ~~Attorney General Kris Mayes Introduction and Informational Presentation~~

7. Carbon Neutrality Plan (CNP) Quarterly Update

This is an informational update for the City Council and Flagstaff community.

8. Spruce Wash and Schultz Creek Watershed Update

STAFF RECOMMENDED ACTION:

Staff will present to the Council and community the latest information about the Spruce Wash/ Museum Flood Area and Schultz Creek Watershed/ Pipeline West Flood Area.

9. Public Participation

10. Informational Items To/From Mayor, Council, and City Manager; future agenda item requests

11. Adjournment

CERTIFICATE OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Flagstaff City Hall on _____, at _____ a.m./p.m. in accordance with the statement filed by the City Council with the City Clerk.

Dated this _____ day of _____, 2023.

_____

Stacy Saltzburg, MMC, City Clerk

CITY OF FLAGSTAFF

STAFF SUMMARY REPORT

To:	The Honorable Mayor and Council
From:	Nicole Antonopoulos, Sustainability Director
Date:	12/20/2022
Meeting Date:	01/24/2023

TITLE:

Carbon Neutrality Plan (CNP) Quarterly Update

DESIRED OUTCOME:

This is an informational update for the City Council and Flagstaff community.

EXECUTIVE SUMMARY:

Staff will provide an informational update to highlight efforts over the past 8 months to advance the Carbon Neutrality Plan.

INFORMATION:

Staff will provide highlights of work in the following areas: Community change

- Policy development
- Infrastructure
- Services
- Capacity building
- Elevating voices

Municipal processes

- Partner support
- Data Analysis
- Municipal carbon neutrality

Attachments: CNP 6 Month Update

Flagstaff Carbon Neutrality Plan

Bi-Annual Update

January 24, 2023

TEAM FLAGSTAFF

WE MAKE THE CITY BETTER

OUR TEAM

GRACIE RECHKEMMER

Youth Climate Leadership VISTA

JENNA ORTEGA

Climate Engagement Coordinator

JENNY NIEMANN

Climate Program Manager

NICOLE ANTONOPOULOS

Sustainability Division Director

COMING SOON

RESILIENCE ANALYST
First new position since CNP adoption, Genevieve Pearthree starting in February.

CLEAN JOBS WORKFORCE DEVELOPMENT AMERICORPS VISTA
Volunteer service position, starting mid-February

CLIMATE ANALYST
Existing vacant position, potential late February start

TODAY'S DISCUSSION

1. Principles of climate action
2. Carbon Neutrality - action update
3. Putting this in perspective

CLIMATE ACTION PRINCIPLES

Carbon neutrality is:

- 1. Community-driven
- 2. Motivated by urgency
- 3. Prescriptive
- 4. A commitment to accountability
- 5. An investment in our future
- 6. Supported by market leaders

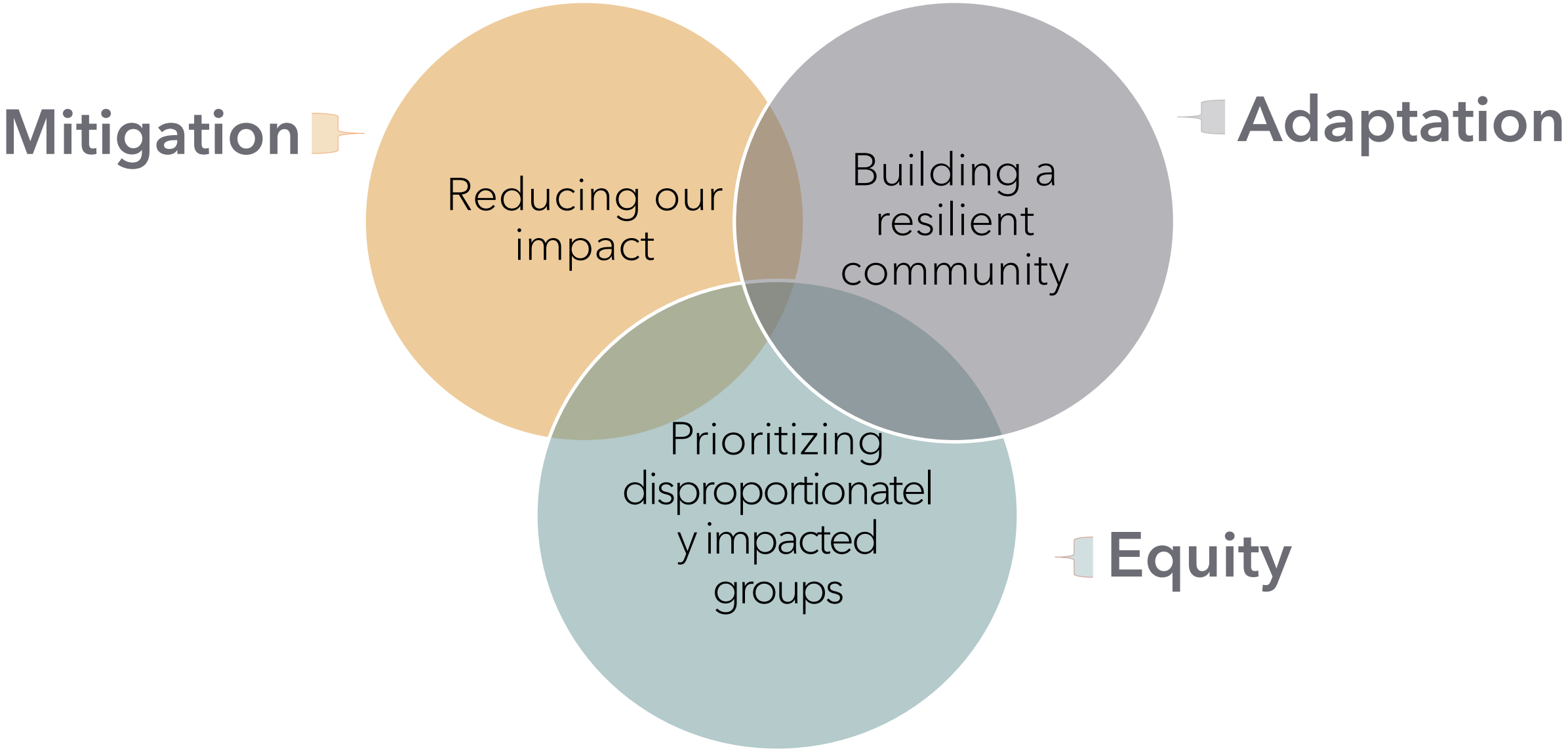
Flagstaff will:

- 7. Be a leader
- 8. Embrace the Big Shift
- 9. Balance community tensions and create opportunities
- 10. Center equity and adaptation

Climate action in Flagstaff will:

- 11. Produce co-benefits
- 12. Rely on partnerships
- 13. Prioritize incentives
- 14. Iterate and adapt over time

CLIMATE GOALS



WE CATALYZE CLIMATE ACTION THROUGH:

Community change

- Policy development
- Infrastructure
- Services
- Capacity building
- Elevating voices

Municipal processes

- Partner support
- Data Analysis
- Municipal carbon neutrality

CNP TARGET AREAS

Neighborhoods

- Community Resilience
- Equitable Systems
- Decreased Dependence on Cars
- Housing for All ★
- Inclusive Recreation ★

Energy

- Electric Mobility
- Clean Electricity
- Building Fuel Switching

Consumption

- Reduced Building Energy Use
- Sustainable Consumption
- Water Security ★

Commitments

- Carbon Dioxide Removal
- Healthy Forests and Open Spaces ★
- Health and Safety ★
- Economic Prosperity ★

★ = New target area from CAAP

POLICY DEVELOPMENT

- Transportation:
  - Active Transportation Master Plan (ATMP)
  - Big Shift transportation policy change *
- Code changes:
  - Land Use: Code Analysis Project – solicitation will launch this winter *
  - Building code: partnering with Building Safety and 10+ Arizona cities to apply for the Resilient and Equitable Codes Implementation funding opportunity *
- Resilience and Equity:
  - 2022 Revisions to the CNP
  - Catastrophic leave policy *
  - Paid intern policy *

COMMUNITY INFRASTRUCTURE

- 19 new community EV charging stations
  - Installed through the APS Take Charge AZ Partnership
- Expanded to FOUR food scraps drop off locations
- 4 Corners Carbon Coalition (4CCC) to catalyze regional carbon dioxide removal
  - Solicitation award

SERVICES

- Home Weatherization and Energy Rebates
  - New focus on electrification
  - Began providing larger rebates for lower-income households
  - $40,000 distributed in six months
    - $20,000 annual budget. Federally supplemented this FY.
- Awarded funding for HEPA purifiers
- Northern Arizona Solar Coop
  - 46 new households have added 325 kW solar!
- Drop Off Day – 13,000 lbs. diverted
- Flagstaff Home Energy Retrofit Program *

CAPACITY BUILDING

- $50,000 in **Neighborhood Sustainability Grants** distributed to residents
- Launched **Climate Resilience Project** in collaboration with Flagstaff Public Library
- 6 **Home Energy Efficiency Workshops**
- Launched **Streams Stewards Program** to support stormwater and Rio health
- **Contractor Trainings**:
  - Spring 2022: Cold climate heat pumps
  - March 2023: Energy & Water Training *

ELEVATING VOICES

- Engaged with 585 people tabling at the Community Market
- Youth leadership - 300+ students engaged!
- Direct resident engagement through the Community University Public Inquiry
- Youth Climate Summit – April 4, 2023 *

1,822 residents participated in **137** climate engagement activities from May – December

ELEVATING VOICES

In 2022, we launched three advisory groups to invite community voices to shape our climate policy and programming:

- Equity Advisory Group
- Business Advisory Group
- Youth Advisory Group

SUPPORTING OUR PARTNERS

- MetroPlan Stride Forward Regional Transportation Plan
- NAU Climate Action Plan and Sustainability Taskforce
- AZ Sustainable Cities Network Climate and Resilience Working Group
- Biomass working group, part of the Greater Flagstaff Forests Partnership *
- Flagstaff Unified School District (FUSD) Climate Action Committee
- Coconino County Sustainability Program

DATA ANALYSIS

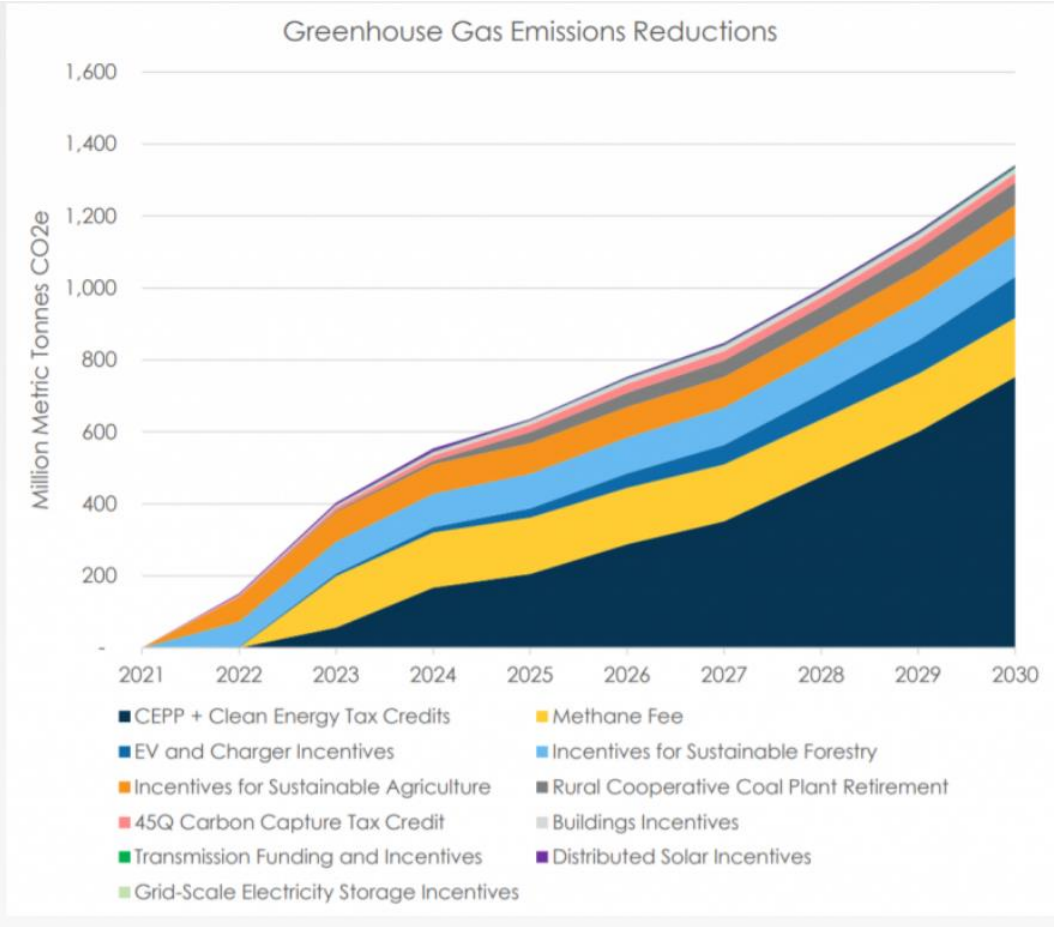
- Vehicle Miles Traveled (**VMT) calculator** for transportation projects *
- Flagstaff earned a spot on the international **CDP A-list**, highlighting our annual emissions and resilience reporting and actions
- We have initiated **an electricity rate analysis** to identify monthly cost-savings opportunities through rate changes *

MUNICIPAL CARBON NEUTRALITY

- Energy Services Contract (ESCO) project
  - Three-phase initiative to improve the energy efficiency of operations
- Adoption of the Sustainable Building Resolution (SBR)
- Three new electric vehicles added to the City fleet in 2022
- First client in the APS Green Power Partners Program, achieving 100% renewable electricity for City operations

REALITIES

- Climate Action base budget
  - One-time funding
- Cost of the CNP
- Need dramatic systems changes, i.e. code, standards, funding, etc..
  - Urgent revisions for:
    - Engineering Standards
    - Parking requirements
    - Sustainable development code
  - Code analysis



PUTTING THIS IN PERSPECTIVE

Cities/regions are first responders to the climate crisis, but we cannot do it alone. While the municipality has made great strides in elevating climate, we need all hands-on deck

- To empower our most vulnerable
- To find solutions together
- To inspire action
- To talk about climate productively
- To invest in action
- To spark innovation
- To overturn state preemptions

HELP BUILD A STRONGER FLAGSTAFF

We need your…

- Leadership
- Support
- Engagement of the community
- Creative ideas
- Involvement
- Take personal action
  - Need inspiration? Visit: www.flagstaff.az/climate

THANK YOU

www.Flagstaff.AZ/Climate

Please reach out!

- NAntonopoulos@flagstaffaz.gov
- JNiemann@flagstaffaz.gov
- Jenna.Ortega@flagstaffaz.gov
- Gracie.Rechkemmer@flagstaffaz.gov

TEAM FLAGSTAFF

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8.

CITY OF FLAGSTAFF

STAFF SUMMARY REPORT

To:	The Honorable Mayor and Council
From:	Sarah Langley, Management Analyst
Date:	11/10/2022
Meeting Date:	01/24/2023

TITLE:
Spruce Wash and Schultz Creek Watershed Update

STAFF RECOMMENDED ACTION:

Staff will present to the Council and community the latest information about the Spruce Wash/ Museum Flood Area and Schultz Creek Watershed/ Pipeline West Flood Area.

Executive Summary:
Staff will present an overview of flood mitigation efforts.

Financial Impact:
None

Policy Impact:
None

Connection to PBB Key Community Priorities/Objectives & Regional Plan:
Safe and resilient community

Previous Council Decision on This:
Council heard a post-wildfire update on October 11, 2022.

Attachments: Presentation

Post-Wildfire Flooding Update

January 24, 2023

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Objectives for Tonight

- Museum Fire and Pipeline Fire map and brief history
- Spruce Wash Watershed progress update
- November bond success and actions since
- Schultz Creek progress update

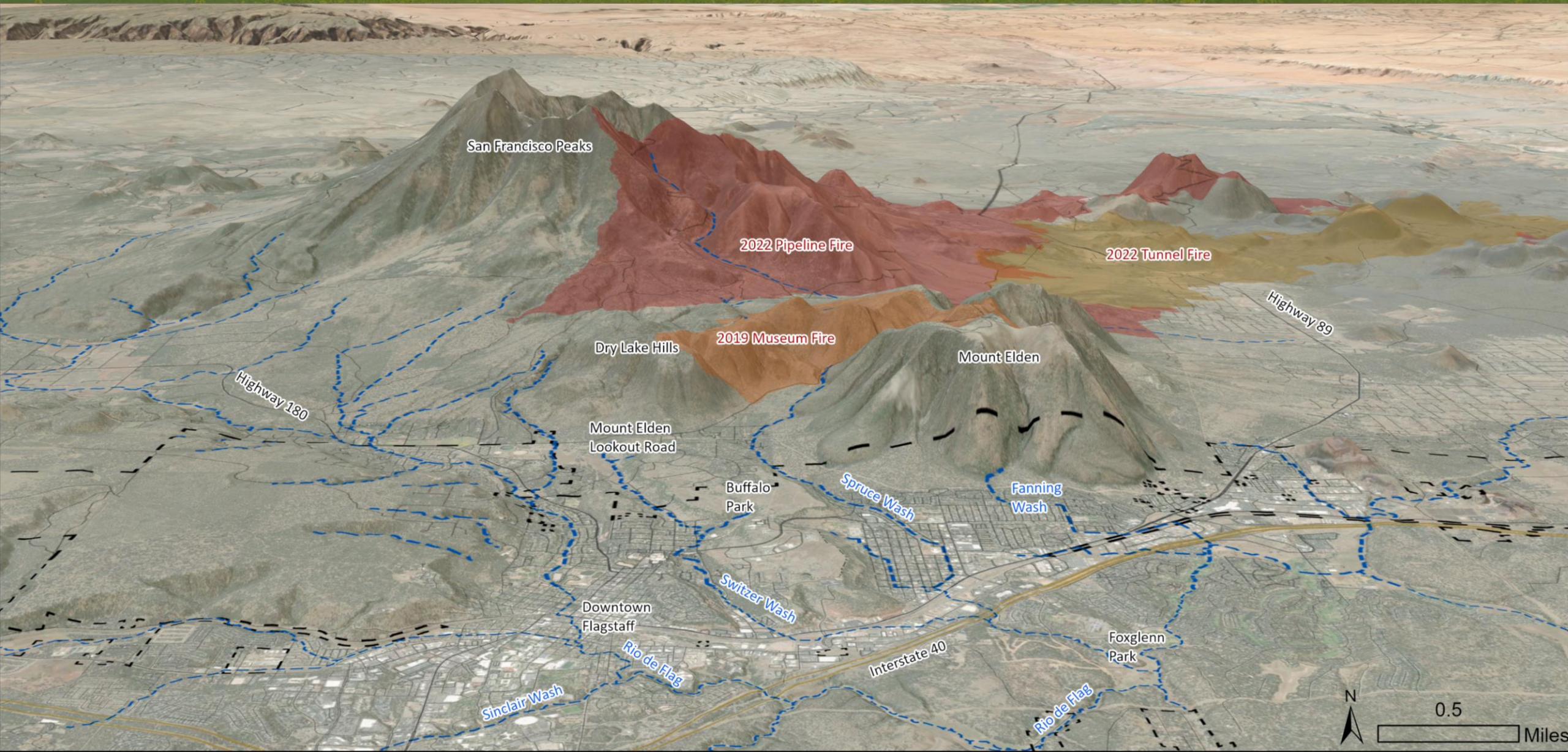
- Council Discussion and Questions

Fire/Flood History

- 2019 Museum Fire in Dry Lake Hills
- 2022 Pipeline Fire in Schultz Pass
  - 2021 Spruce Wash Flooding (Museum Fire)
  - 2022 Schultz Creek Flooding (Pipeline West)

Post wildfire flooding mitigation development is ongoing and some of the best work in the nation is occurring as quickly as possible.

Overall Map


San Francisco Peaks
2022 Pipeline Fire
2022 Tunnel Fire
Highway 89
2019 Museum Fire
Dry Lake Hills
Mount Elden
Highway 180
Mount Elden
Lookout Road
Buffalo
Park
Spruce Wash
Fanning
Wash
Switzer Wash
Downtown
Flagstaff
Rio de Flag
Interstate 40
Foxglenn
Park
Sinclair Wash
Rio de Flag
N
0.5
Miles

Spruce Wash

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Feasibility Study Phase II

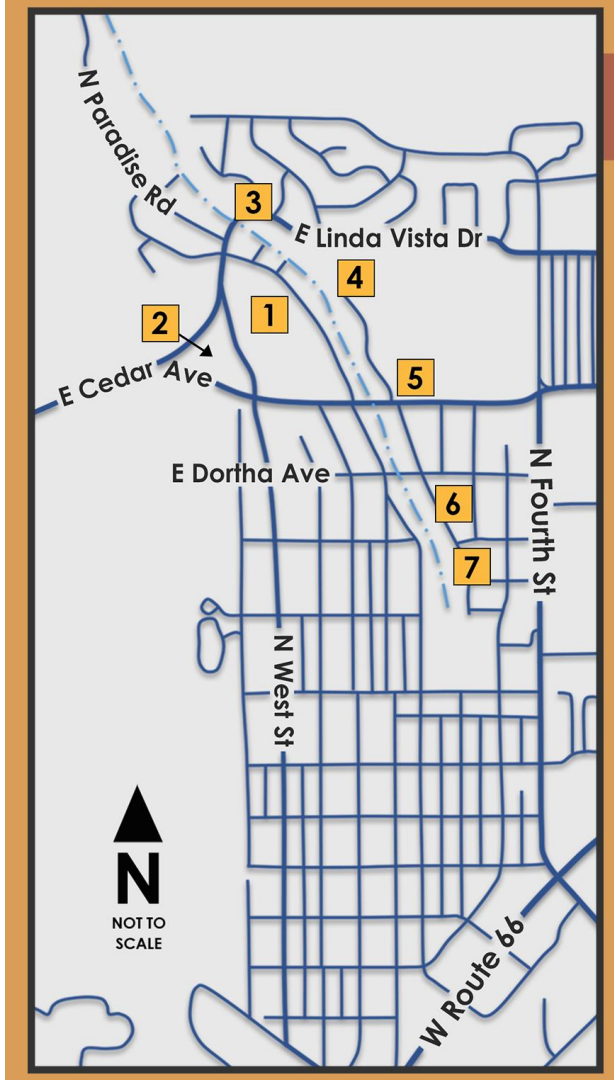
- Spruce Wash Watershed Management Plan (Feasibility Phase II) includes:
  - Updated hydrology for current watershed conditions
  - Concept design for a suite of projects to mitigate flooding in the Grandview and Sunnyside neighborhoods
  - Mapping the benefit of implementation of the suite of projects (new exhibits showing flood depths)

The watershed has not recovered – flood risk exists and these projects are critical to reducing the risk.

Feasibility Study Phase II

- Recommended Projects:
  - Reconstruct Grandview
  - Upsize Linda Vista Crossing
  - Improve Cedar to Linda Vista Channel
  - Upsize Cedar Crossing
  - Improve Dortha to Arroyo Seco Channel
  - Construct Permanent Inlet at Arroyo Seco Townhomes

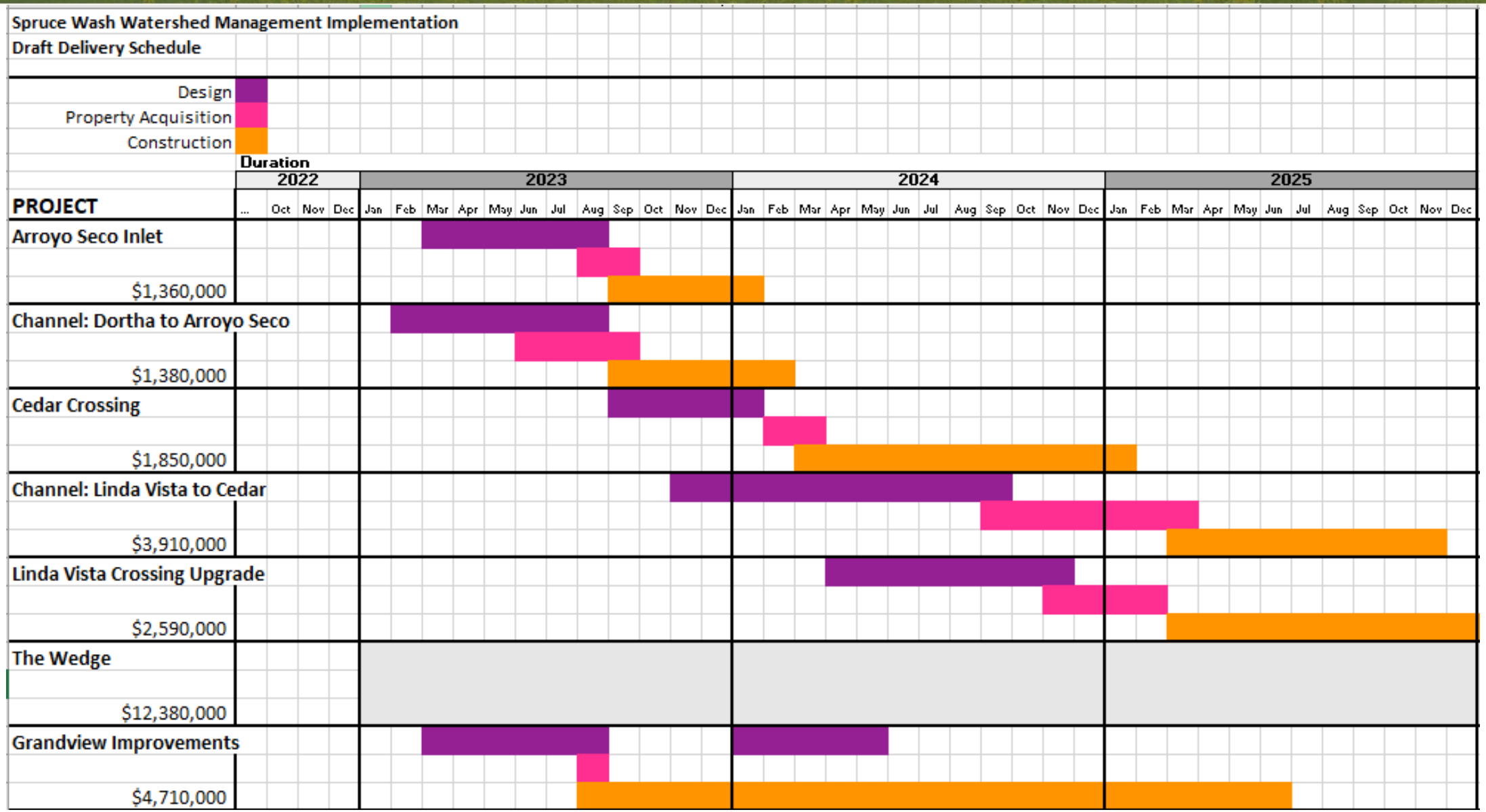
- Not Recommended at this Time:
  - The Wedge Detention Basin



Key Flood Projects

1. *Grandview Drive Reconstruction*
2. *"The Wedge" Detention Basin*
3. *Linda Vista Drive Crossing*
4. *Cedar Avenue to Linda Vista Drive Channel*
5. *Cedar Avenue Crossing*
6. *Arroyo Seco Drive to Dortha Avenue Channel*
7. *Arroyo Seco Drive Inlet*

Project timeline



Spruce Wash Hydrology Update

2019 Model Review

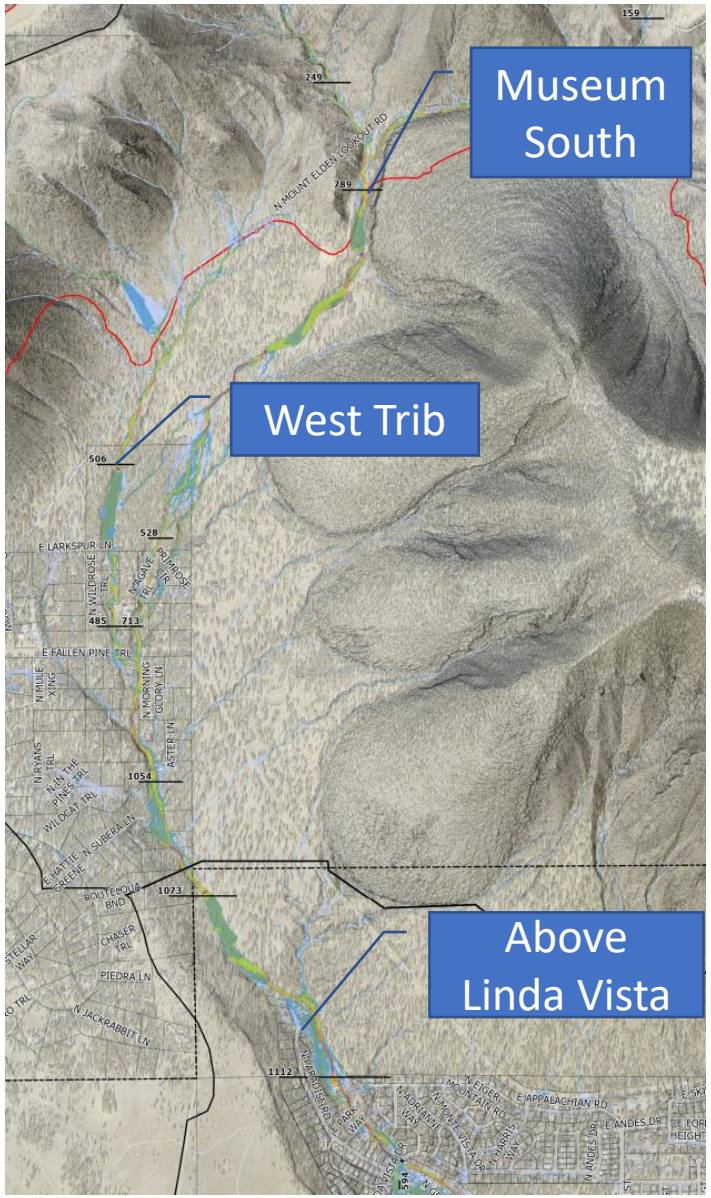
November 2022 Field Observation

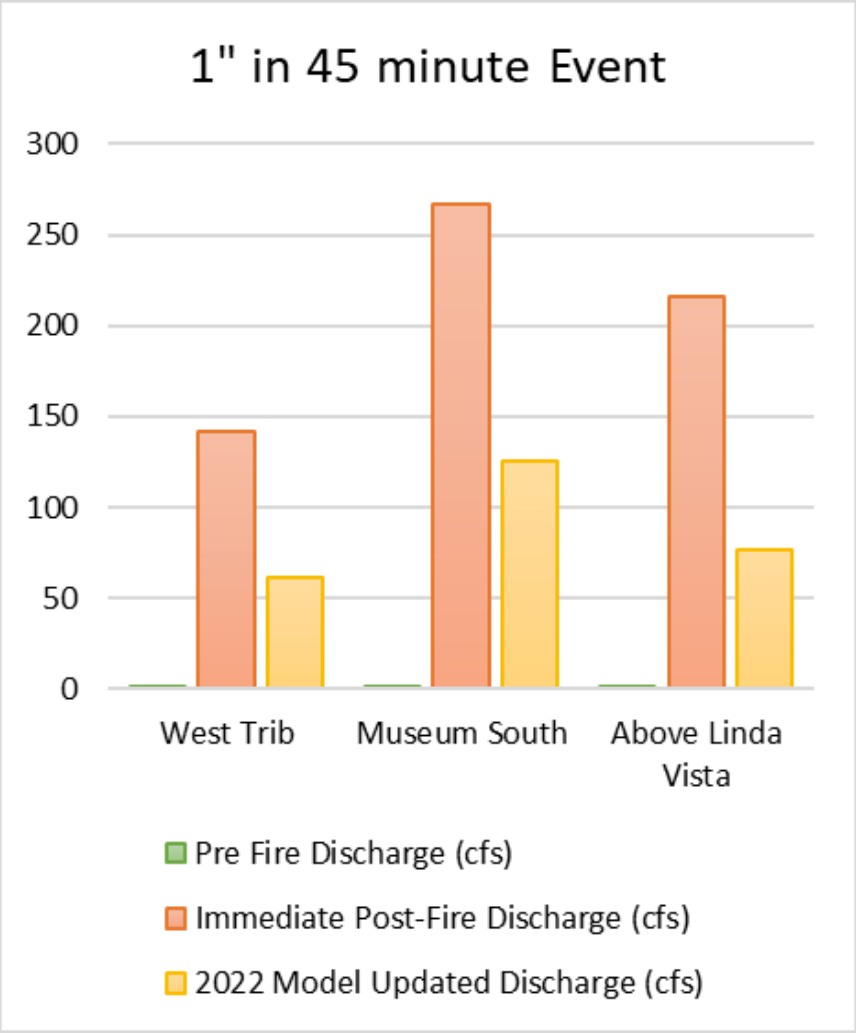
Hydrology Updates

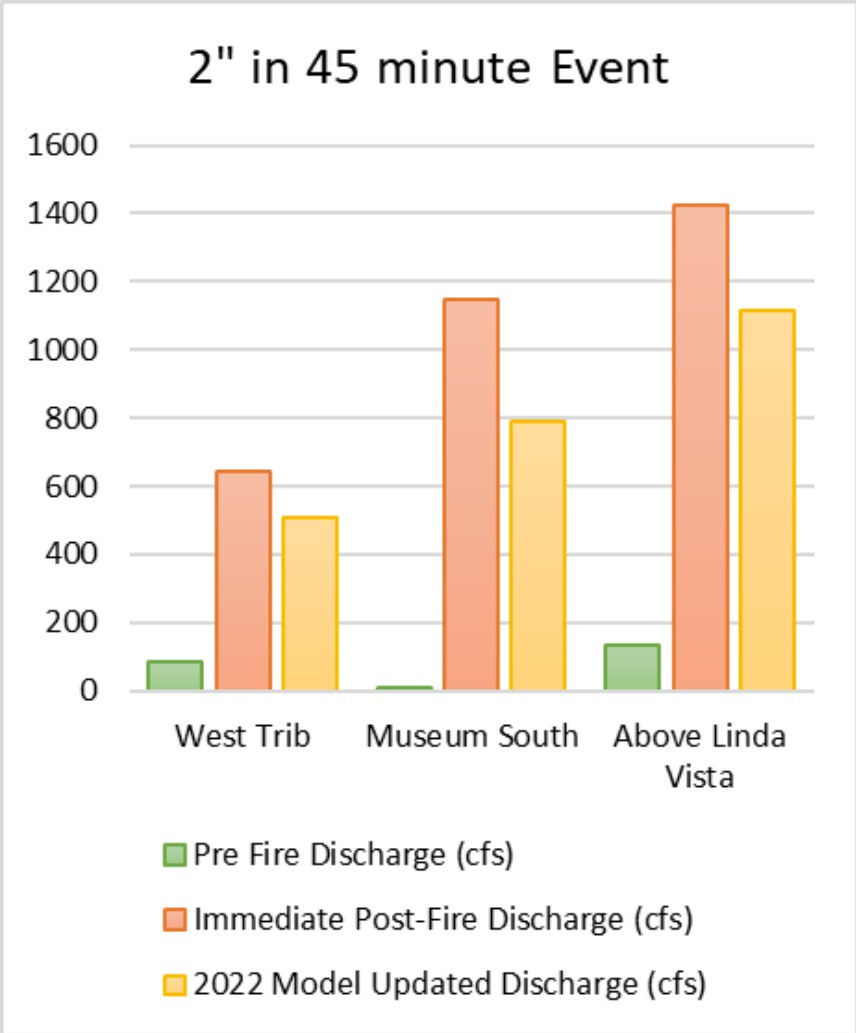
Hydraulic Updates

Results and Calibration

Modeling Summary







November Bond Success

- $26M through Proposition 441 for Spruce Wash/Museum Fire flood mitigation.
- Strong voter support and approved by 76%
- Spruce Wash Project Delivery kicked off the next day.

November Bond Success

- Construction will follow the Spruce Wash Watershed Management Plan (Feasibility Study Phase II) and Engineering design.

- Intent is to greatly mitigate routine and medium sized flows off of the Museum Fire burn scar and provide life and safety mitigation for large flows.

- The watershed has recovered slightly since the 2019 Museum Fire but the flood risk is still very high, especially for moderate to large rain events.

Mitigation Post Bond

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City-wide effort and commitment

- Water Services, Public Works and Capital Improvements
- All city internal services groups and staff required are at the table
- Community engineering consultants and contractors
- Residents and impacted citizens. Focus on the long-term improvements and provide meaningful impact.

Spruce Wash Project Delivery

- Spruce Wash Project Delivery – Technical Advisory Committee

  Intent: Discuss and coordinate work efforts between city divisions and consultants for the 2022 funded Spruce Wash Project Delivery and Engineering.

Spruce Wash Construction

- Construction Manager at Risk (CMAR) Process
  - Request for Statement of Qualifications (SOQ) was advertised on December 15th, 2022.
  - Review of the Statements and Interviews is underway now.
  - Proposal negotiations, specifications and schedule will take place in February.
  - Council Award to selected Contractor in March.
  - Notice to Proceed and Guaranteed Maximum Price #1 (GMP) issuance in May.
  - Intent is to start construction in the Fall of 2023, after monsoons.

Spruce Wash Project Delivery

- Survey and Design
- Project Map and overall explanation
    - Linda Vista Crossing
    - Channel Linda Vista to Cedar
    - Grandview
    - Cedar Crossing
    - Channel Cedar to Arroyo Seco
    - Arroyo Seco Inlet
    - Ponderosa Park and Killip inlet
    - Park Way Basins

Spruce Wash Project Delivery

This is a super cool project and will likely be one of the most impactful improvements in response to the Muesum post wildfire flooding.

We thank you and the community for the support to be a part of the work.

Schultz Creek

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Schultz Creek Project Delivery

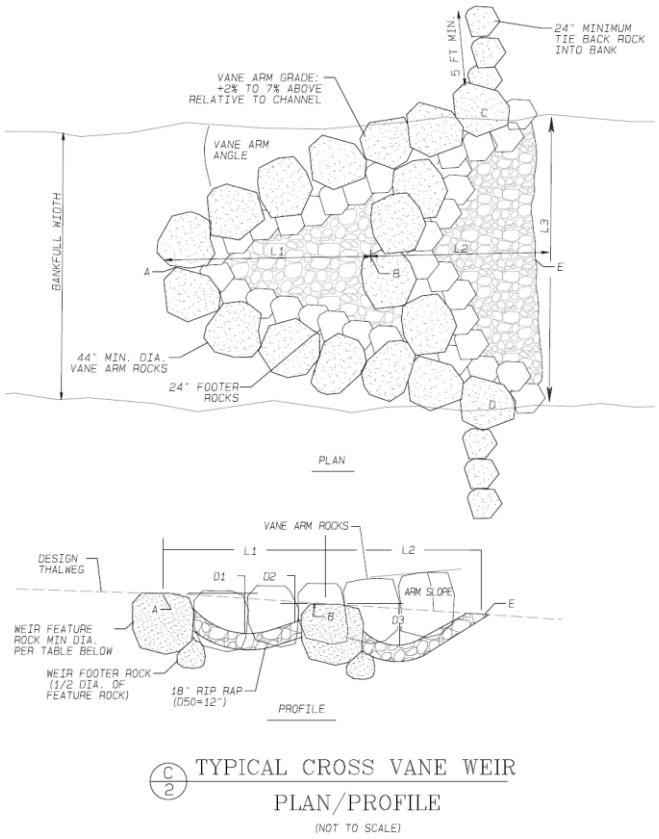
- Mitigating the flood threat for Stevanna Way, Coconino Estates, downtown, and Southside as a result of the Pipeline Fire.
    - Detention Basins – Complete and functioning
    - Basins to Hwy 180 (two projects)
    - Hwy 180 Crossing (in design and survey)
    - Hwy 180 to Rio (in design and survey)
    - Frances Short Pond

Schultz Basins

- Completed in October 2022 (less than 4 months post-fire)
- Provide a great benefit but still considerable flood threat

Schultz Creek

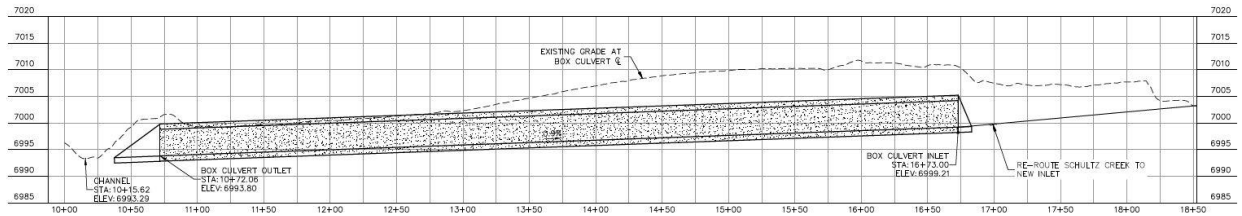
- Schultz Creek between Basins and Highway 180
  - County project – Elden Lookout Road culvert
  - City project – channel stabilization



C2 TYPICAL CROSS VANE WEIR
PLAN/PROFILE
(NOT TO SCALE)

Schultz Creek at Hwy 180

- In design and survey
- Property rights and acquisitions
- Funding



CITY IMPROVEMENT KEYNOTES

100	6,100 CY	EARTHWORK (CUT) INCLUDING CHANNEL RE-ROUTE [TRAPEZOIDAL CHANNEL 40' BOTTOM WIDTH WITH AN APPROX. DEPTH OF 6 FEET AND 2:1 SIDE SLOPES]
100.2	1,600 CY	EARTHWORK (FILL) FOR MIN COVER ON BOX CULVERT
101	500 SY	DEMO & REPLACE HWY 180 ROAD SECTION
102	2,000 SF	DEMO & REPLACE LOCAL ROAD SECTION
103	22,000 SF	DEMO & REPLACE SOD
104	100 SY	DEMO STORM DRAIN
105	1 EA	DEMO OUTLET STRUCTURE
200	100 LF	INSTALL GUARD RAILING.
201	900 SF	CONSTRUCT CONCRETE STRUCTURAL SECTION PER DETAIL '1' FOR MAINTENANCE ACCESS
300	1 LS	VERTICALLY REALIGN 20" DUCTILE IRON WATER MAIN.
400	1 LS	REALIGN EXISTING SEWER MAIN.
500	600 LF	INSTALL DOUBLE 8'X5' PRECAST BOX CULVERT.
501	1 EA	INSTALL INLET HEADWALL.
502	1 EA	INSTALL OUTLET HEADWALL.
510	500 SY	INSTALL ROCK RIP-RAP PROTECTION.
511	70 LF	CONSTRUCT CHANNEL BANK PROTECTION WALL
701	1 EA	DRY UTILITY RELOCATIONS
900	47,600 SF	PROPERTY ACQUISITIONS FOR EASEMENTS

FLAGSTAFF ARIZONA

HIGHWAY 180 BOX CULVERT

OPTION 3
PLAN & PROFILE

JOB NO. 22108
DATE: SEP 22
SCALE: AS SHOWN
DRAWN: KMT
DESIGN: KMT
CHECKED: SG

75 Kallot Place
Sedona, AZ 86336
928.282.1061
928.282.2056 fax
www.swizz.com
SWI Shephard Wesnitzer, Inc.

REVISIONS

NO.	DESCRIPTION	DATE	BY

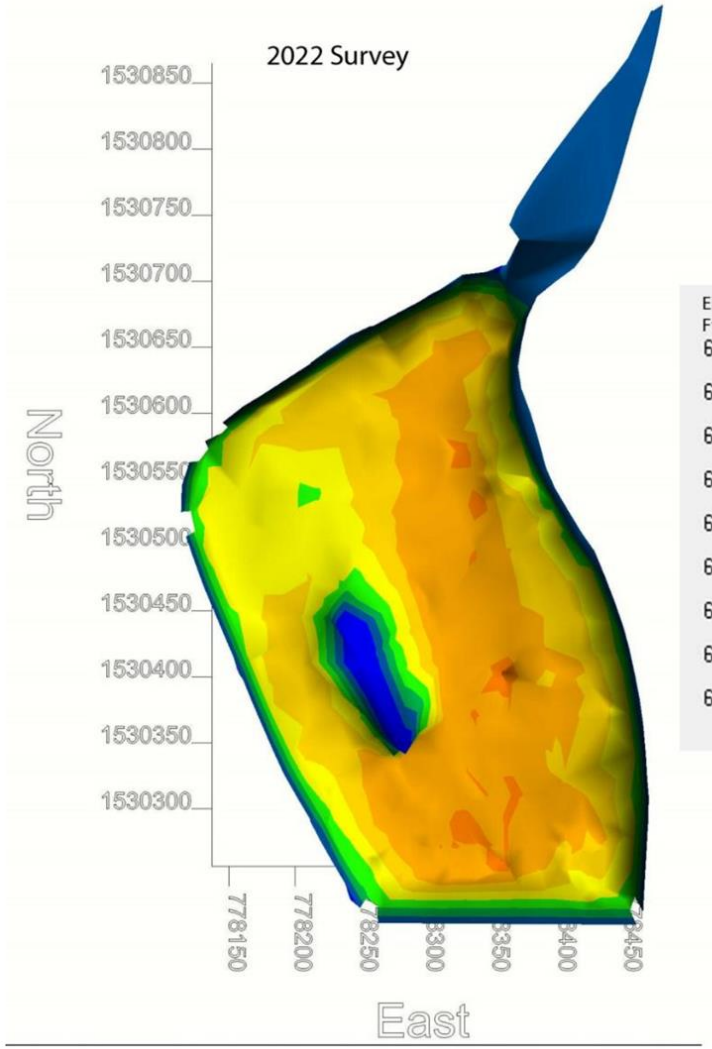
SCALE 1" = 40'

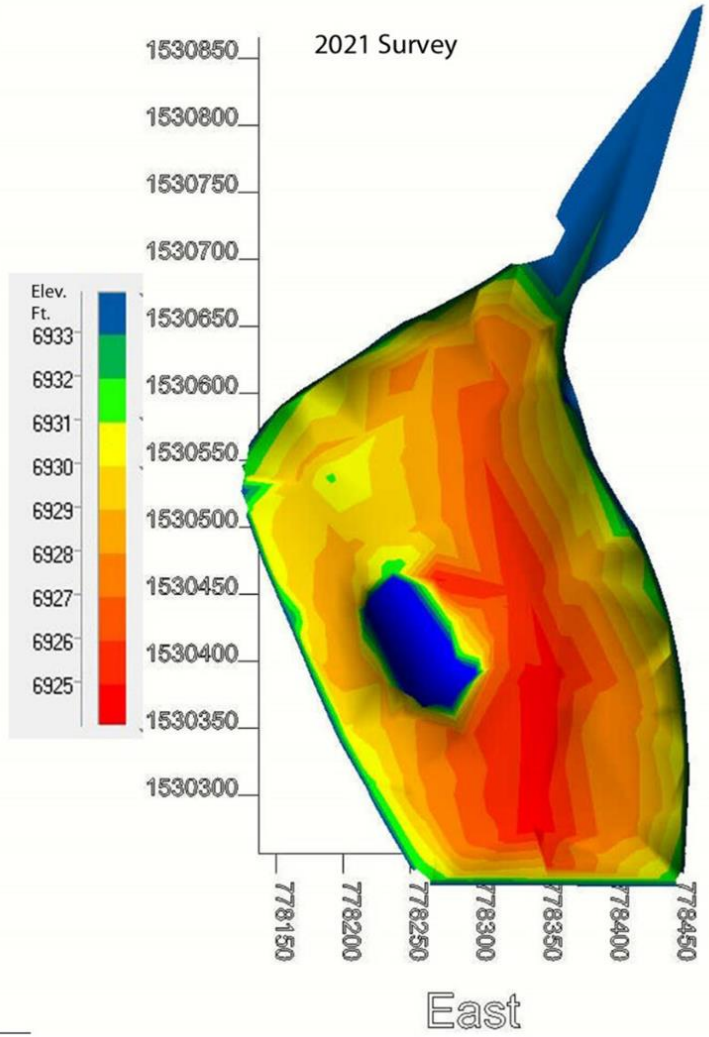
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING OR RECORDING

DRAWING NO. C03

SHT NO. 3 OF 3

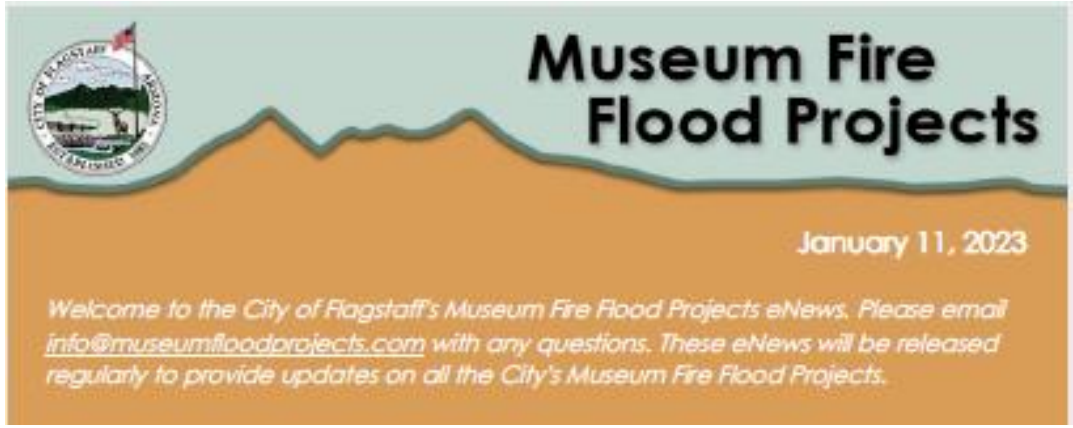
Frances Short Pond

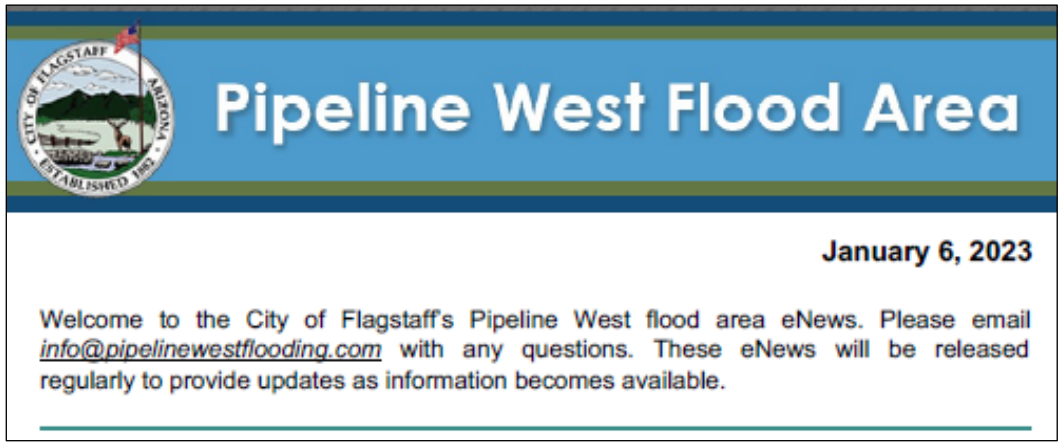




Communications Update

- Public Affairs working with BetaPR
- Tools include:
  - E-newsletters (EN/ SP)
  - Physical bulletin boards
  - Banners & sandwich boards
  - Frequently updated websites
  - Mailers & door-to-door flyers
  - Email communications
  - Community meetings





Spruce Wash Community Meeting Notice

February 2

City Hall

6 p.m.

TEAM FLAGSTAFF

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Only for Spruce Wash/ Museum Flood Area

Museum Flood Area Communications

How to stay connected

For more information and to sign up to receive updates, visit

MuseumFloodProjects.com

Questions?

info@museumfloodprojects.com

928-213-2102

SCAN ME

TEAM FLAGSTAFF

WE MAKE THE CITY BETTER

Pipeline West Communications

How to stay connected

For more information and to sign up to receive updates, visit

Flagstaff.az.gov/PipelineWest

Questions?

info@pipelinewestflooding.com

SCAN ME

928-213-2102

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Discussion

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