

NEVADA HAZARD MITIGATION
WORKING GROUP

Tuesday July 14, 2026

Vista Narrows Construction

BRIC NATIONAL COMPETITION
FUNDING APPLICATION
PRESENTATION

TRFMA Executive Director

George Robison



Truckee River Flood
Management Authority



Vista Narrows Within The Truckee Meadows Flood Project

The Truckee River Flood Project includes seven major elements. The numbering in the graphic below reflects the general construction sequence, though Elements 3–6 may be built concurrently or in a different order. Several smaller supporting projects are part of the overall program but are not primary elements. (For example, Lake Street Berm and UNR farms berm)

Cost Forward

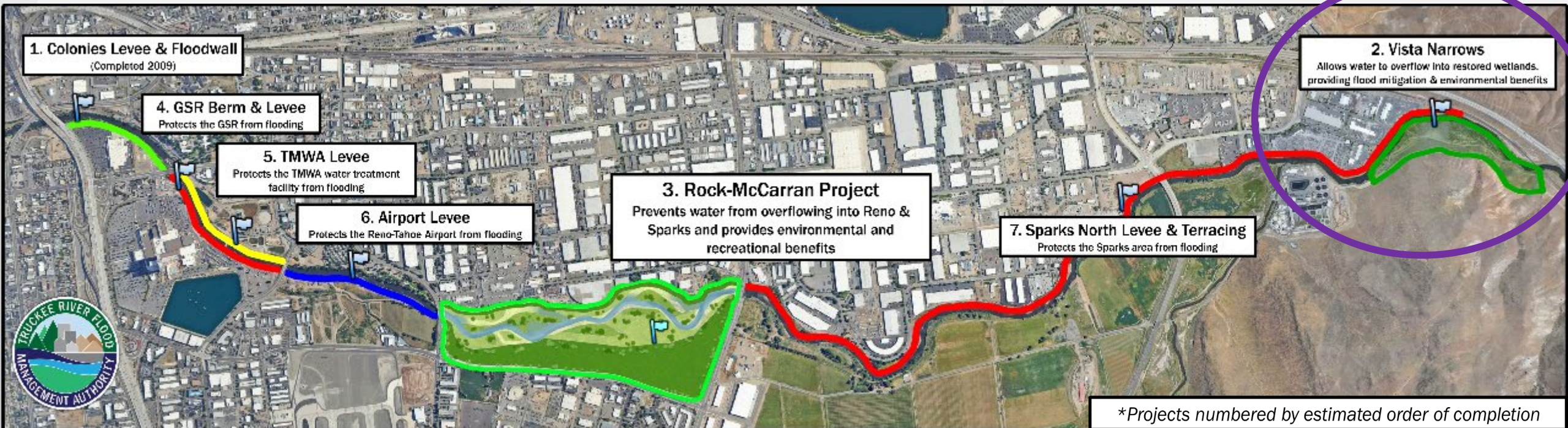
- Estimated cost forward for the entire TMFP is **\$202,350,000**

Overall Funds

- TRFMA has ~\$73 million saved
- Cash flow of ~\$11 million per year

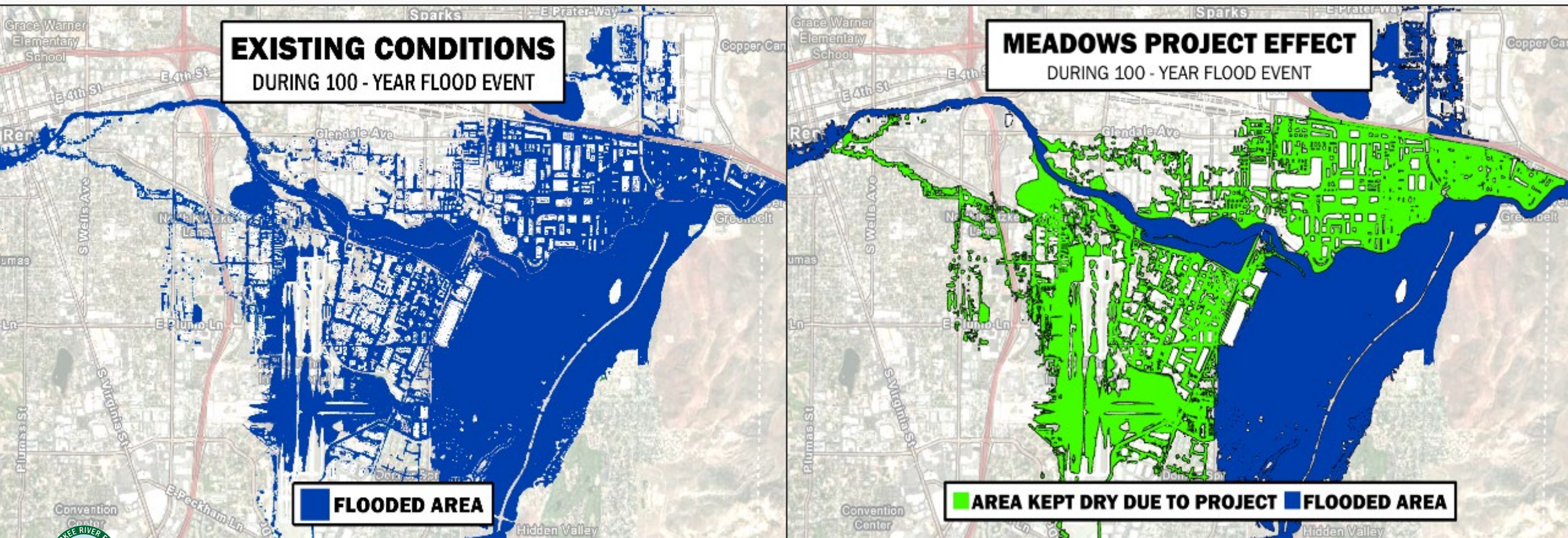
Mitigation

- PLPT Mitigation Agreement \$17 million
- Wadsworth Pedestrian Bridge Replacement
- Berm at Rainbow Bend



The project would prevent over 2 billion in potential flood damages once built.

A flood the size of the 1997 New Year's Flood would result in an estimated \$2.5 billion in damages (in 2018 dollars) if it occurred today. Implementation of the Truckee Meadows Flood Project would significantly reduce this risk by mitigating floodwaters from the Truckee and protecting critical regional infrastructure, including the Reno-Sparks industrial areas, Reno-Tahoe International Airport, and surrounding communities.



The Role and History of Vista Narrows Within the Greater Project

- Vista Narrows Needs to be done first because it provides mitigation (lowers water levels to compensate for the loss of flood storage with the other project elements).
- Ideas about spreading out flow at Vista using terrace excavation have been around since at least 2000.
- However, serious design of Vista Narrows did not begin until Spring of 2018 and culminated in a 65% design in late 2019.
- Originally thought to be part of the Corps authorized project as part of the Locally Preferred Plan (LPP) the LPP was rejected by the Corps in fall of 2019.
- TRFMA decided in fall 2019 to forge ahead without the Corps and get permits and work towards deauthorization which was accomplished in WRDA Bill Signed January 2025.



Vista Narrows Key Design Goals

Goals of Terracing Levels

- Avoid impacting low flows (stay out of low flow channel)
- Pass flow equal to the 1997 event
- **Provide upstream WSE reduction to mitigate rises from rest of project.**
- Inundate terraces frequently enough for riparian vegetation
- Balance channel flow increase with downstream impacts
- Iterative process to get desired effects with minimal change to peak flow moving downstream. **With downstream mitigation.**



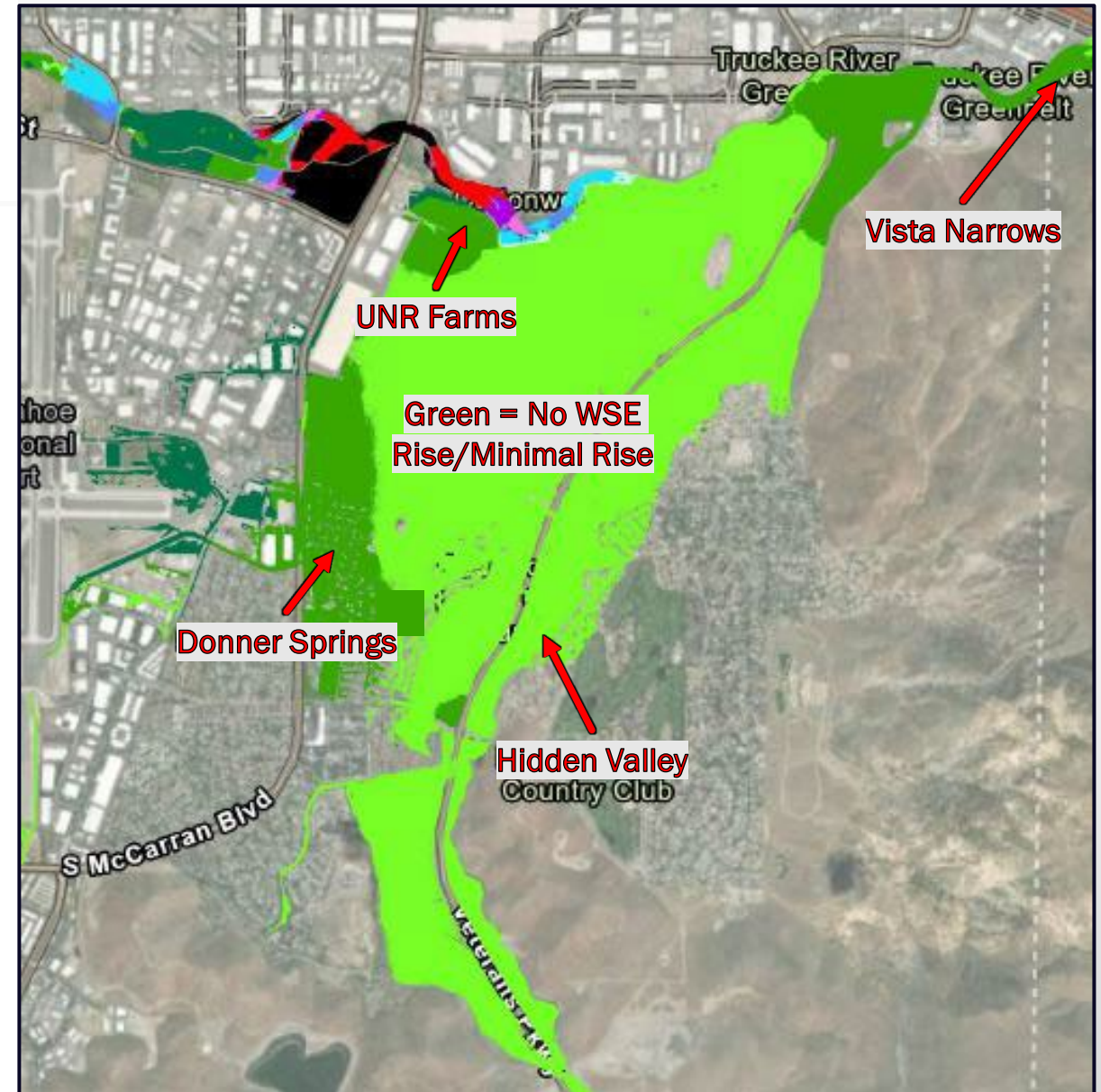
Why Vista Narrows Comes First

Vista Narrows is the critical first phase of the Truckee Meadows Flood Project. It provides many key benefits.

- Offsets increased flows from planned upstream projects
- Creates no-rise conditions for Donner Springs, Hidden Valley, and UNR properties
- Takes pressure off levees in Sparks
- Reduces water level at the North Truckee Drain

Green areas on this map are water level drops with full project buildout. Vista Narrows offsets increases in water levels. Without Vista Narrows in place first, water levels in these areas would be greater than existing conditions once upstream levees and berms were constructed.

- ❖ Calculated water level differences based on state-of-the-art 2D model done for FEMA Mapping update



Vista Narrows Existing Conditions Continued

- Degraded cut banks
- River constrained by high banks on both sides



Area above and to side is where considerable excavation will occur to open up the river.



Vista Narrows Final Design +Procurement + Construction Timeline

Phase	Task	Start - End
Project Oversight	Project Management	Dec 2025 - Feb 2027
Coordination & Data	Data Collection & Agency Coordination	Dec 2025 - Dec 2026
Design Development	Design Support	Jan 2026 - Jan 2027
	Final Design	Jan 2026 - Dec 2026
Key Design Milestones	65% Design Workshop	Jan 2026 - Jul 2026
	90% Design Submittal	Mar 2026 - Dec 2026
	100% Design Submittal	Jul 2026 - Apr 2027
	Final Design Submittal	Nov 2026 - Dec 2026
Procurement	Bidding Services	Jan 2027 - Feb 2027
Construction	Execute Terracing, Plantings, Revetment work	February 2027 – Dec 2028



Vista Narrows Project ~ FEMA Grant

Budget for Entire Project

- Cost Estimate from Vista Narrows 65%+ Design
- Budget for entire project after bid is \$44,968,756 based on cost estimate and with administrative cost is \$45,004,134.
- TRFMA is asking for \$20 million dollars and will match 25% nonfederal equaling \$6,666,667 and will over match the rest

Moving Forward in 2026 - 2028

- TRFMA has savings in investment account to cover the match and over match costs.
- Design Consultant working on 90% and 100% plans and specs and should be done by December 2026.
- Permit application materials have been submitted, reviewed and replied to several times and comments now closed out closed out so ready for final stretch.





Questions...?

*"No one ever steps in the same river twice, for it's not the same river and they are not the same person."
- Heraclitus (paraphrased)*