

Integrated Water Resources Plan (IWRP)

City of Greeley
Water and Sewer Department



Agenda



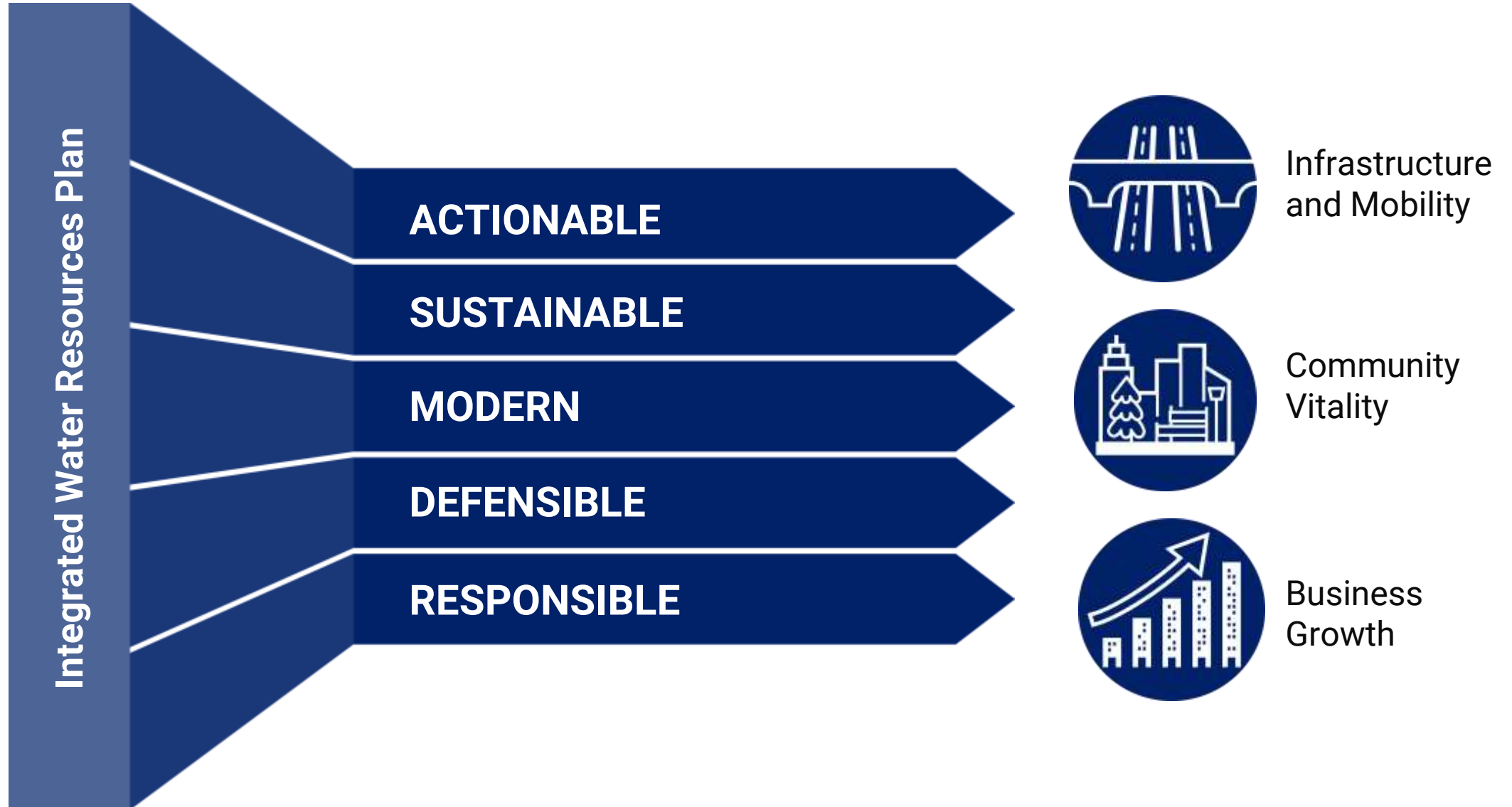
- IWRP (Master Plan) Project Team
- IWRP Plan Objectives
- Scenario Planning Overview
- IWRP Outcomes and strategic guidance
- Next Steps

IWRP Project Team

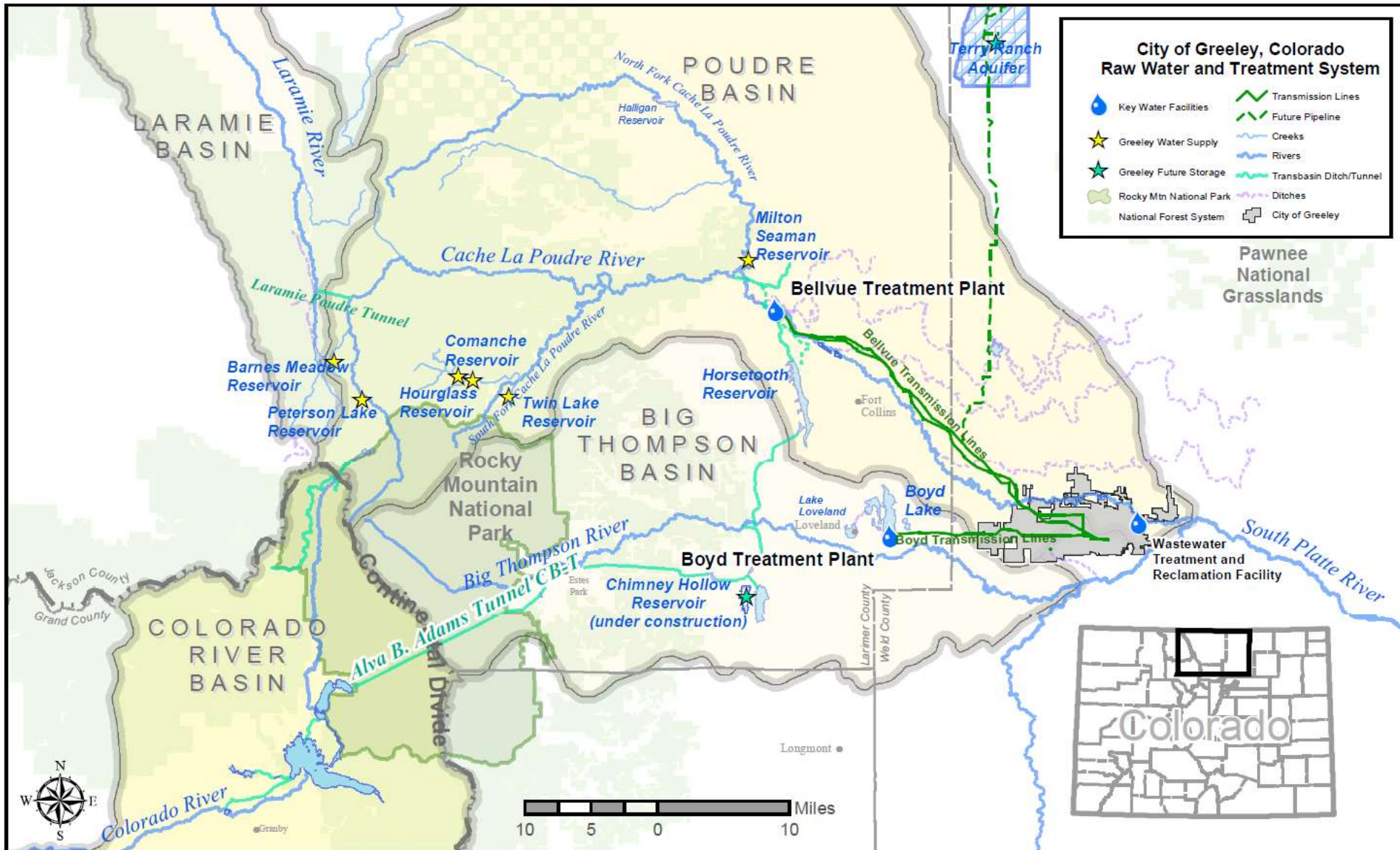
Greeley Team Project Manager	
Kelen Dowdy	
Greeley Technical Team	Greeley Management Team
<p>Dena Egenhoff Water Conservation Manager</p> <p>Erik Dial Deputy Director of Utility Finance and Customer Service</p> <p>Leah Hubbard Water Resource Operations Manager</p> <p>Daniel Biwer Environmental & Water Resource Attorney</p>	<p>Sean Chambers Water & Sewer Director</p> <p>Ty Bereskie Deputy Director of Water Resources</p> <p>Adam Prior Chief Engineer</p>

Consultant Team Project Manager
Neil Stewart (Stantec)
Consultant Team
<p>Mary Presecan (LRE Water) <i>South Platte River Basin Expert</i></p> <p>Cortney Brand (LRE Water) <i>Terry Ranch Groundwater Expert</i></p> <p>Michelle Johnson (Martin & Wood) <i>Greeley Water Rights Expert</i></p> <p>Adam Jokerst (West Water Research) <i>Greeley Water Resources Issues</i></p> <p>Paul Weiss (Williams & Weiss) <i>Greeley Water Modeling Expert</i></p>

What are Greeley's IWRP objectives?

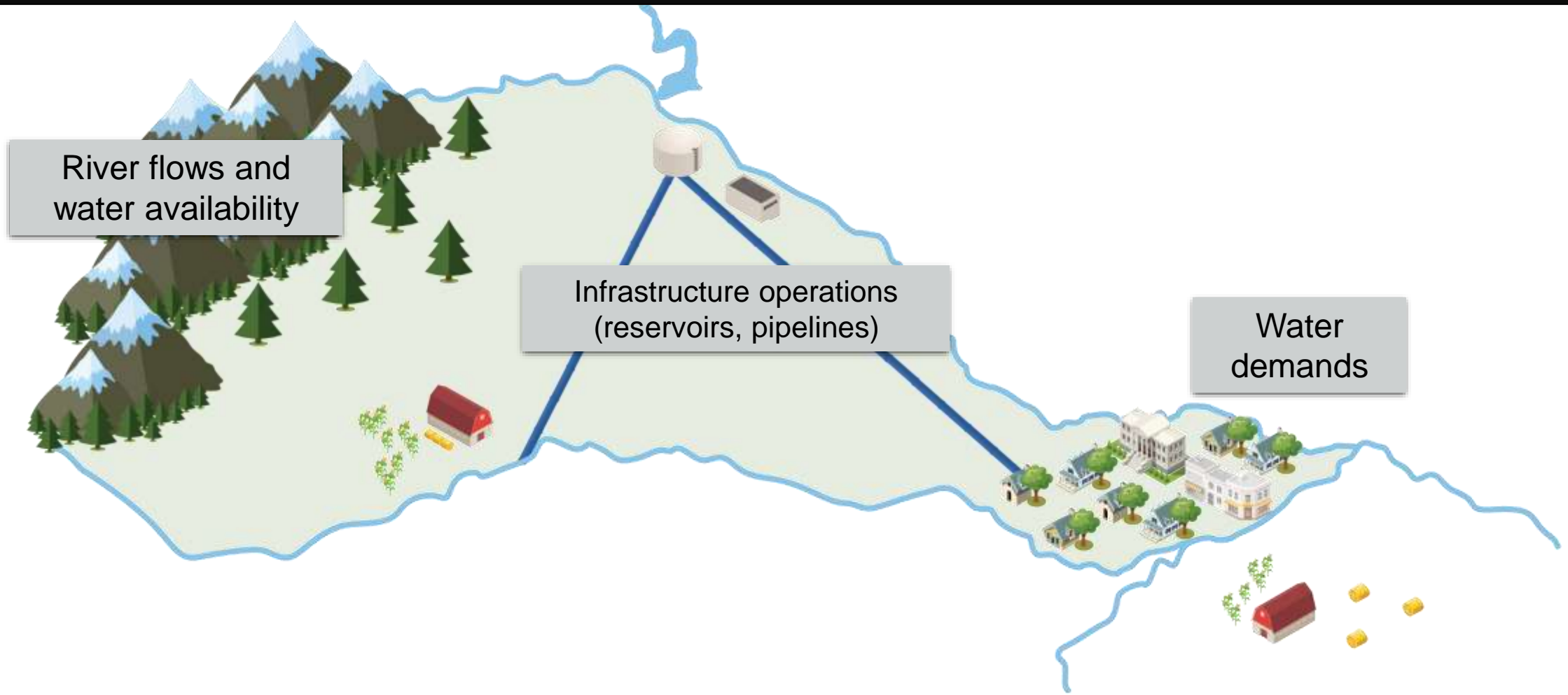


Greeley's Current Water Supply System



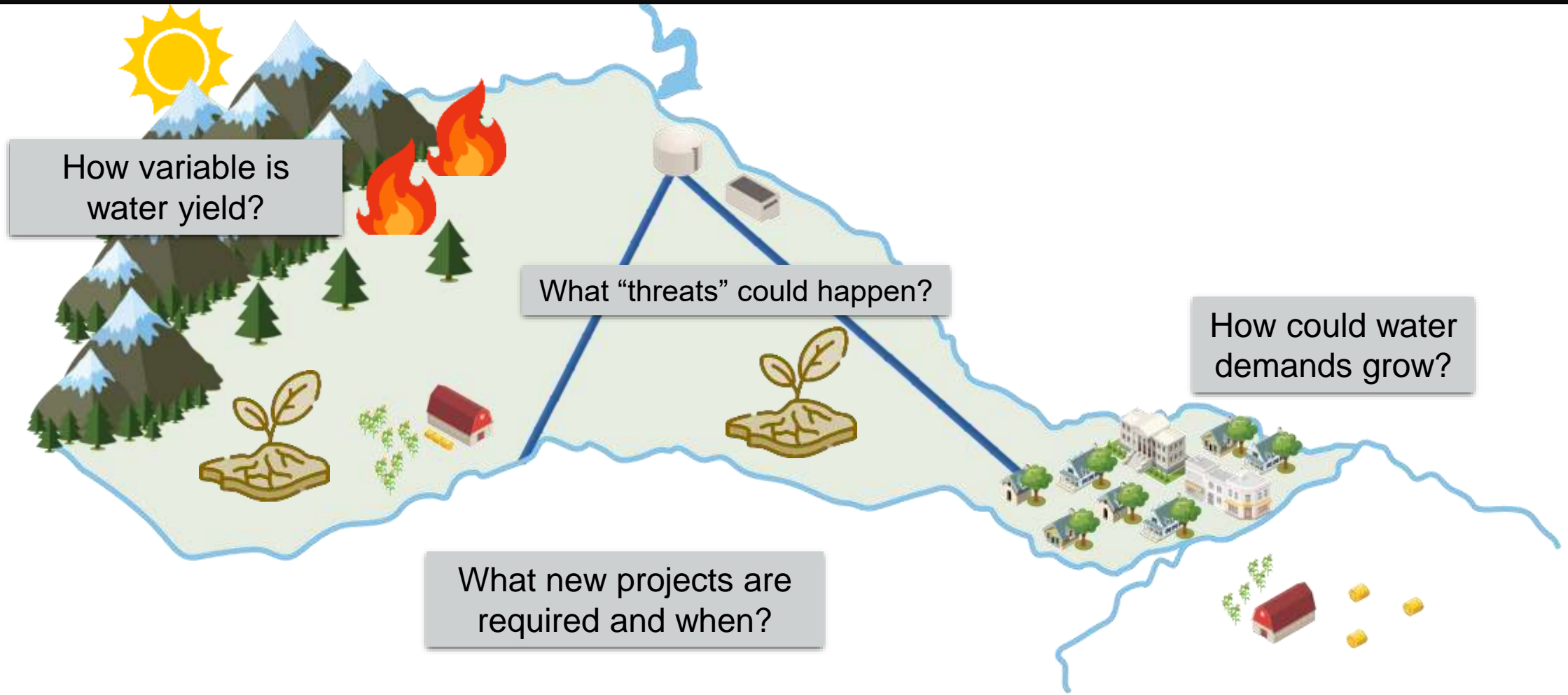
What is an IWRP?

1) Holistic, long-term evaluation of Greeley's water supply system that integrates:























What is an IWRP?

2) Evaluates how changes to future conditions impact the water supply system



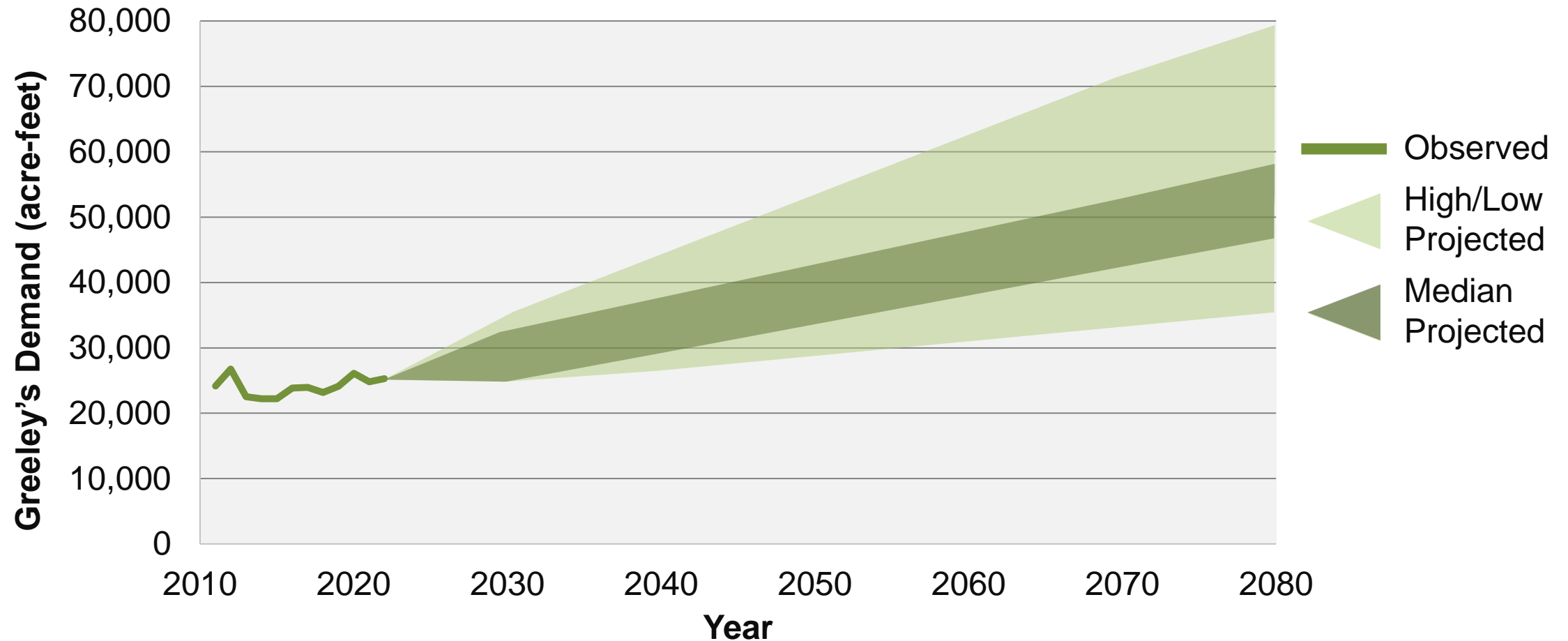
What futures did the IWRP plan for?

- “**Planning Scenarios**” were defined to vary future water supply conditions

Planning Scenario Name	Climate Warming	Colorado River Basin Drought Impacts	Water Rights Administration	Demand Growth
Unbearable		 High		
Stressed		 Moderate		
Continued Trends		 Moderate		
Optimistic		 Low		
No Climate Change		 Low		

What could Greeley's future water demands be?

- Unclear when demand growth will resume
- Future demands highly variable





IWRP's Strategic Plan for a Sustainable Water Supply

Water supply system strategy

Build Robust Water Portfolio

- Change agricultural water rights
- Continue strategic acquisitions of surface water
- Continue investing in storage projects

Responsibly Develop Terry Ranch

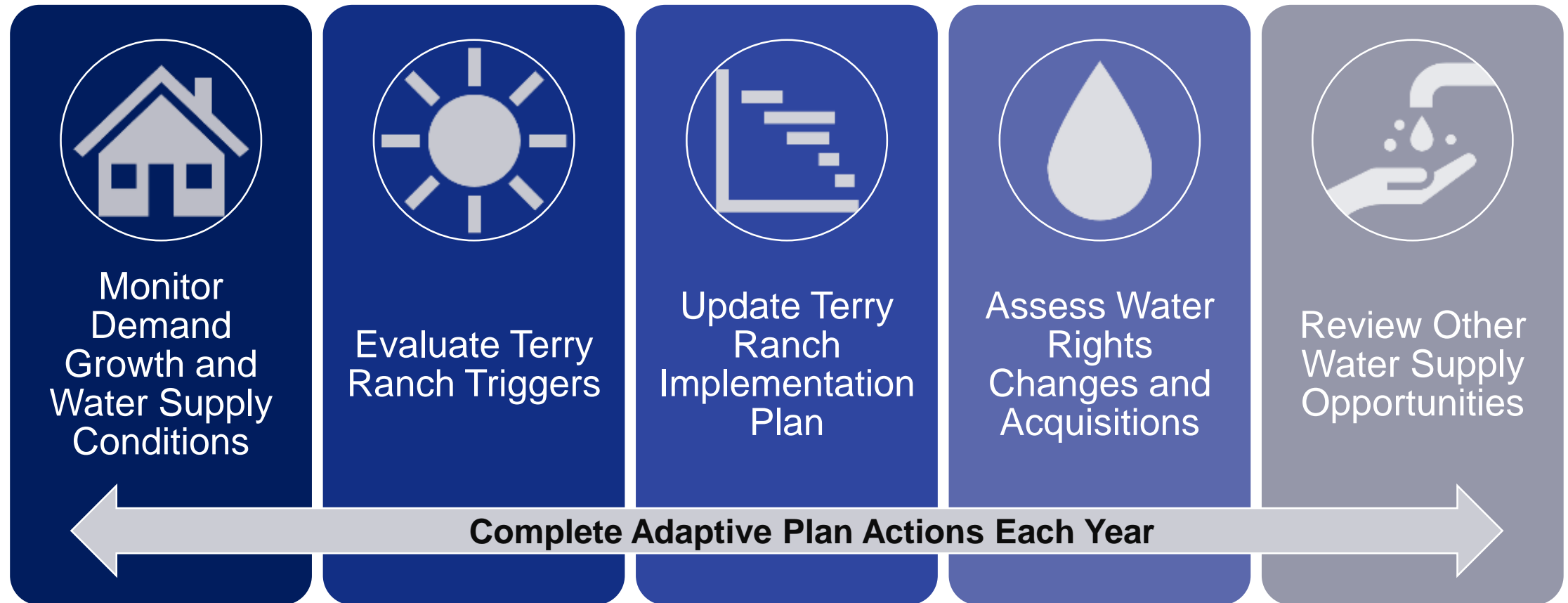
- Develop priority Terry Ranch infrastructure
- Study IWRP-recommended projects

Ensure Sustainable and Affordable Water

- Monitor demand growth and supply conditions
- Implement Adaptive Planning

Monitoring and Adaptive Management

➤ The IWRP Adaptive Plan defines actions for Greeley to take each year

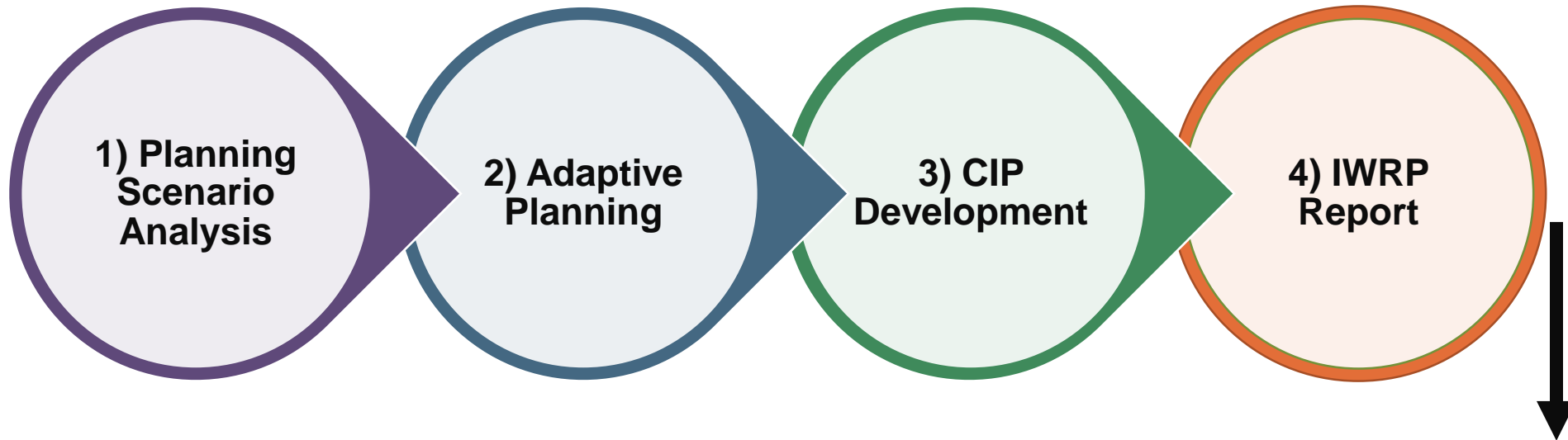


'23 IWRP Outcome Summary



- IWRP master plan will guide staff and water policy makers
- Greeley's current water supply system is robust under near-term future conditions
- The Terry Ranch Project provides drought resilient long-term water supply to Greeley's system
- Need for continued investments in infrastructure, storage and the strategic acquisition of water resources
- An annual review of trends will provide for the adaptive management of water resources, storage and infrastructure

IWRP Process and Next Steps



- City Council Work Session: 4/25
- Planning Commission: 5/9
- W&S Board Approval: 5/17
- City Council Approval: 6/6
- IWRP Plan Implementation
- Annual Performance Measurement and Analysis



Thank you

