



Integrated Water Resource Plan

Water and Sewer Board Update

September 21, 2022



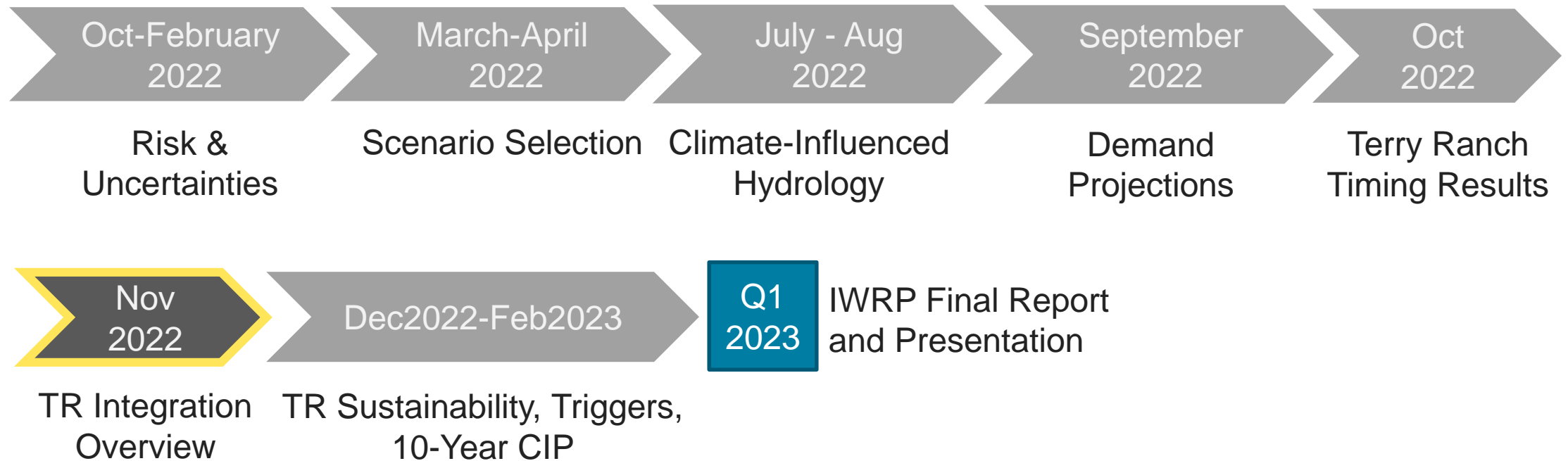


IWRP Vision Statement

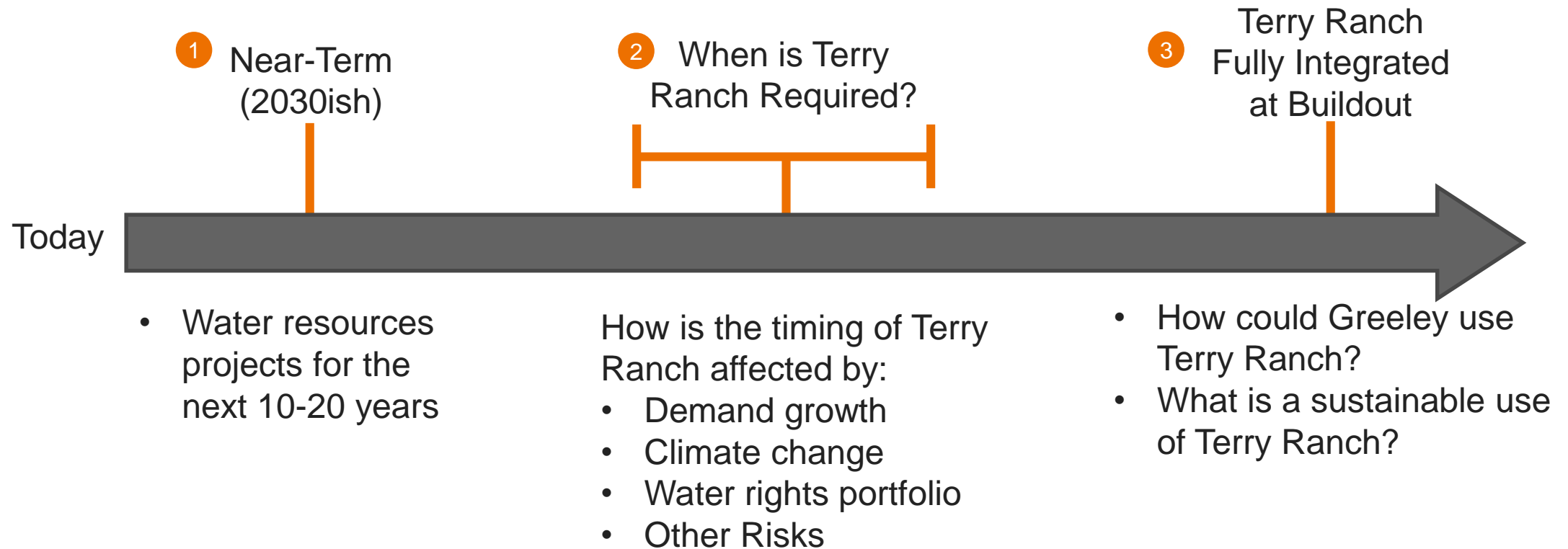
“An actionable and adaptive master plan for Greeley’s water resources that uses modern, defensible methods to develop a roadmap ensuring a reliable water supply for our community through an uncertain future.”



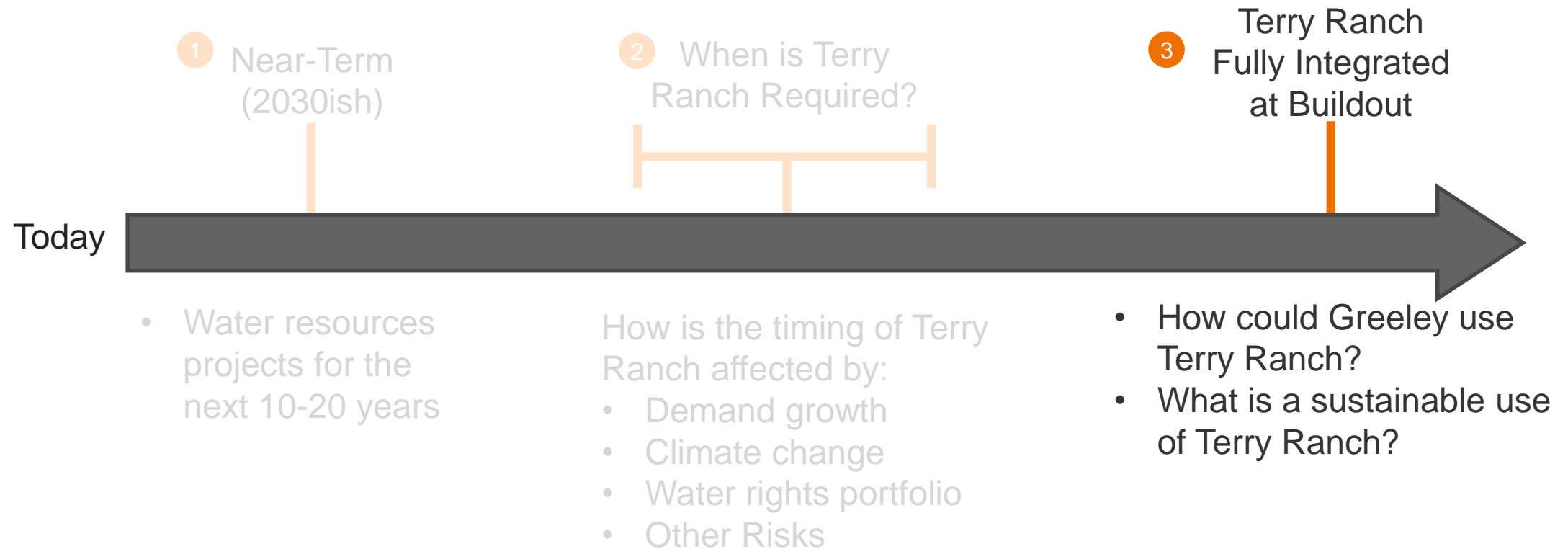
IWRP Timeline



Planning Horizons

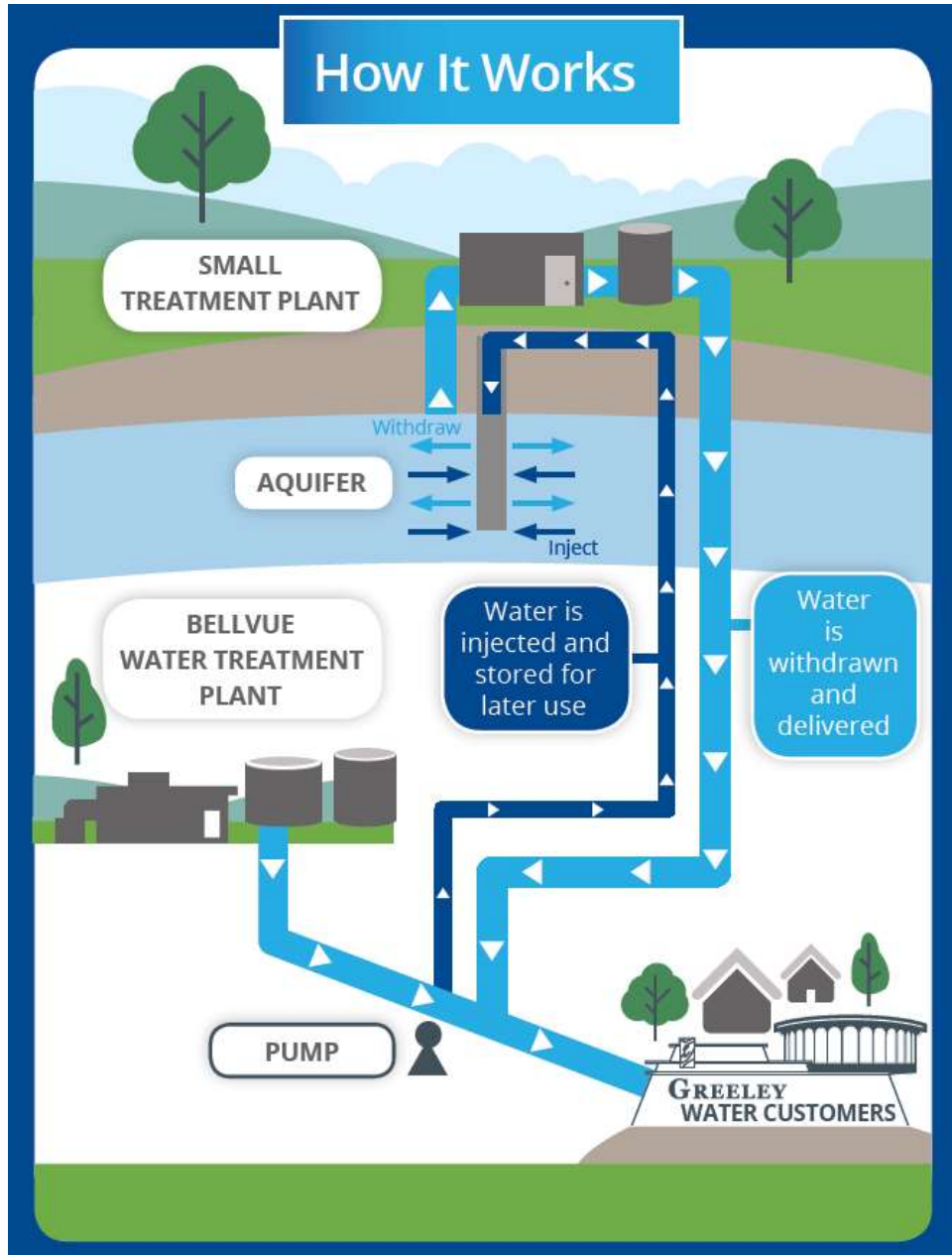


Planning Horizons





Terry Ranch Integration

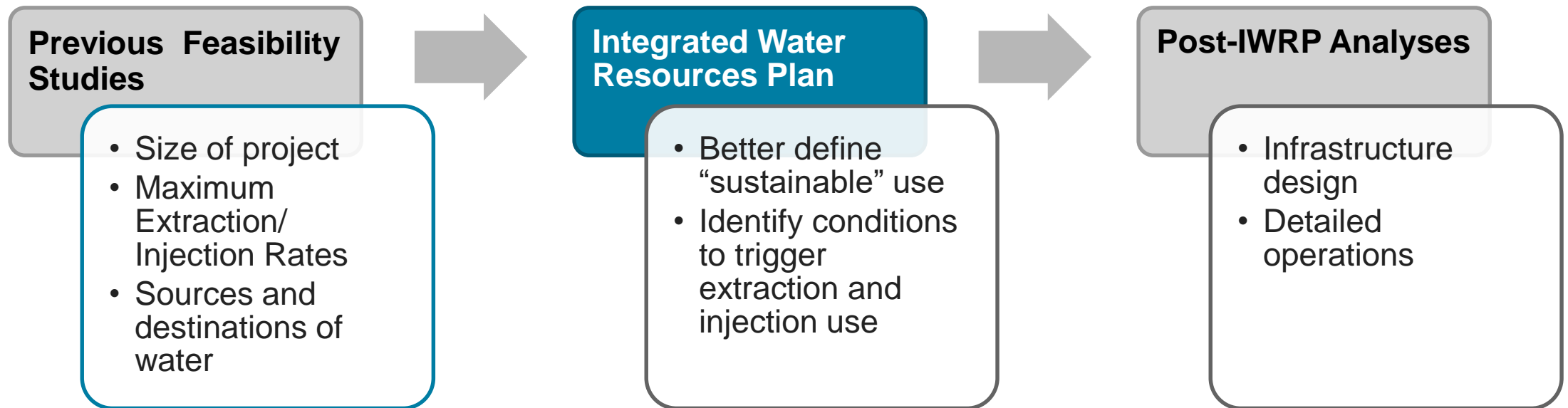


Terry Ranch

Key components:

- Aquifer storage and recovery project
- 1,200,000 AF decreed volume; 12,100 AF/yr decreed withdrawal
- Aquifer storage of wholly consumptive supplies
- Closed system with no functional losses (Non-Tributary Decree 11CW275)

Terry Ranch and the IWRP



Terry Ranch Questions the IWRP will Address

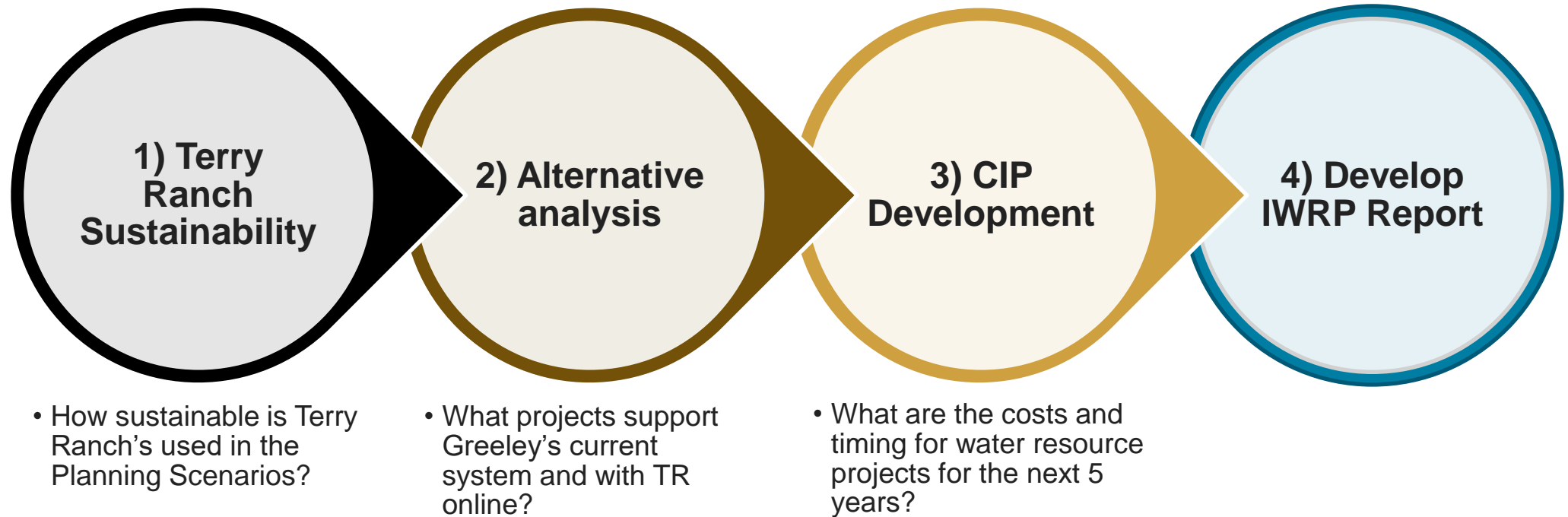
1. What is a sustainable use of Terry Ranch?
2. What does Greeley need to do to sustainably use Terry Ranch while meeting Level of Service?
 - If the “cost” is unacceptable, can redefine sustainable use

Defining Sustainable Use

Potential Sustainability Criteria to be Evaluated in the IWRP:

- Maximum aquifer drawdown before injection infrastructure is needed
- Allowable difference (if any) between long-term extraction and long-term injection
- Balancing preserving surface storage with using Terry Ranch
- Balancing drought restrictions with using Terry Ranch
- Minimum operations – tied to operations and policy decisions
 - Number of wells
 - Well cycling

Next Steps





Questions?