



# Integrated Water Resource Plan

## Water and Sewer Board Update

December 14, 2022



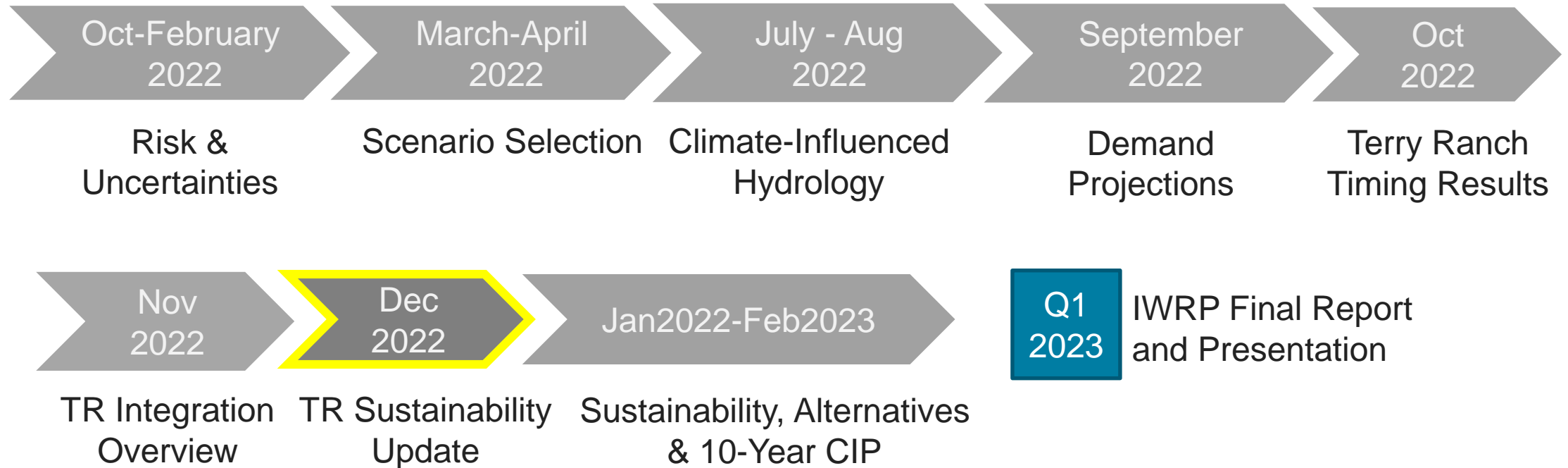


# IWRP Vision Statement

*“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



# Analyzing Sustainable Use

Model Runs	Initial observations
Terry Ranch off	Identifies need
Terry Ranch on	Large injection/recovery delta
Terry Ranch on with drought response	Lowers drawdown need
Drought response triggers varied	Tradeoff between recovery and drought response
Bring on additional sources and/or storage	Lowers drawdown need
Sensitivity to annual demand	Biggest impact on Terry Ranch sustainability
Alternative analysis	Initial look into how other projects impact the injection/recovery delta



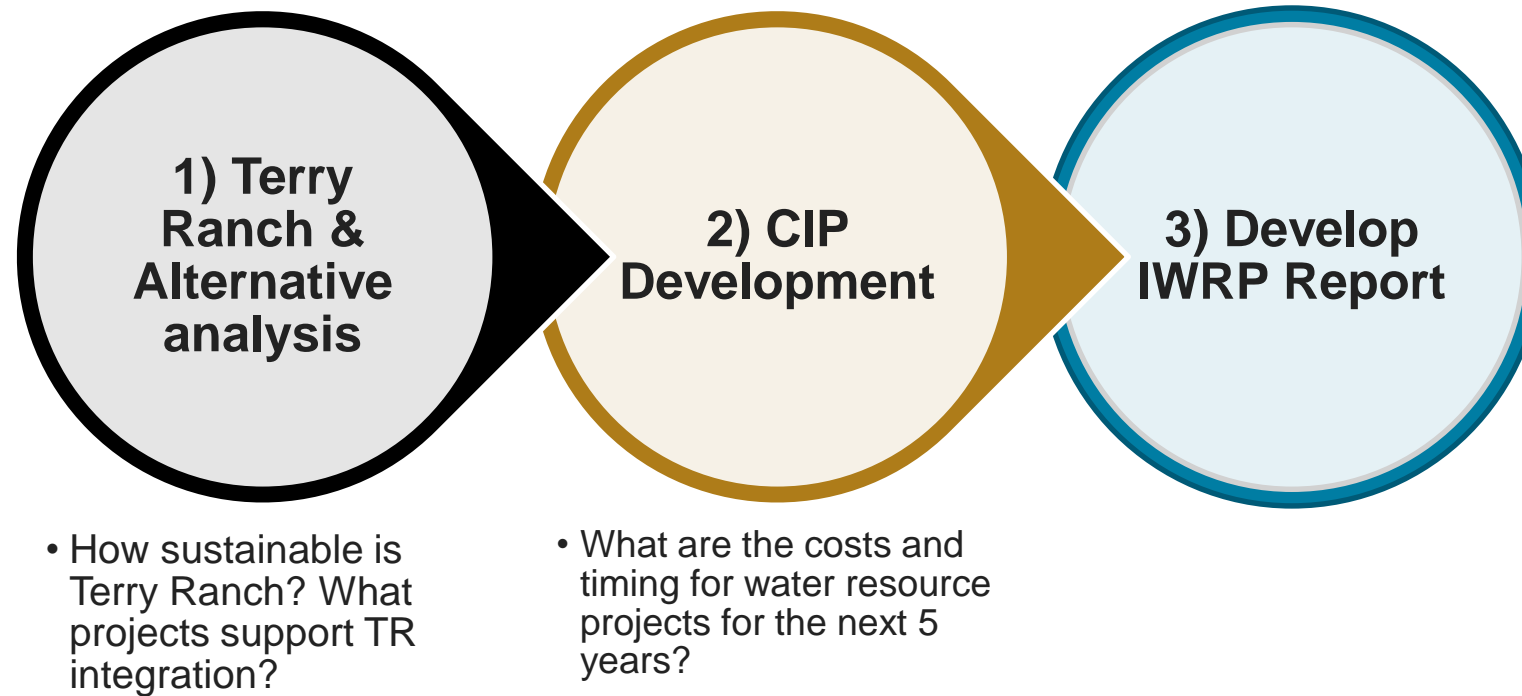
# Understanding the tradeoffs

- **Alternative analysis** will help understand the tradeoffs of how we define TR sustainability and what projects are necessary to support the system at that level
  - We must continue to analyze the **tradeoffs** cost of investment into acquisition vs infrastructure
- **Adaptive management** of Terry Ranch will be necessary going into an uncertain future



*Reminder.* Terry Ranch fully integrated is likely far off into the future. The IWRP goal is to identify near-term projects that are effective regardless of integration details.

# Next Steps





**Questions?**