Planning for Water Supply Resiliency

Spokane River Forum Conference - April 2025

Being Resilient Means…

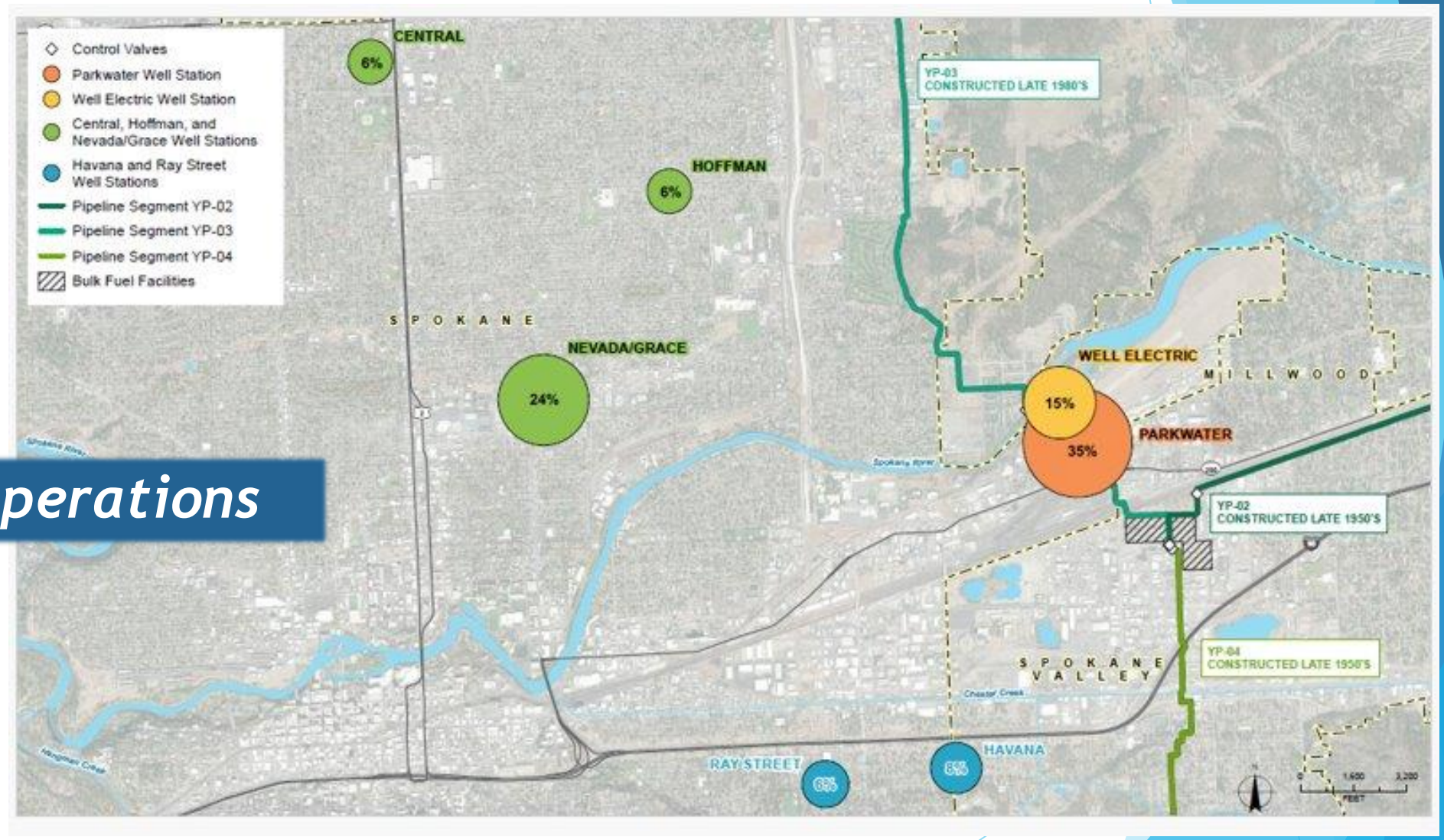
- **Adaptable** for current AND future situations
- **Protecting** our resources for the future
- **Using water wisely** with planning and conservation

Planning Improves Resiliency

City of Spokane's goal is to deliver clean and safe drinking water 24|7|365. It requires planning because:

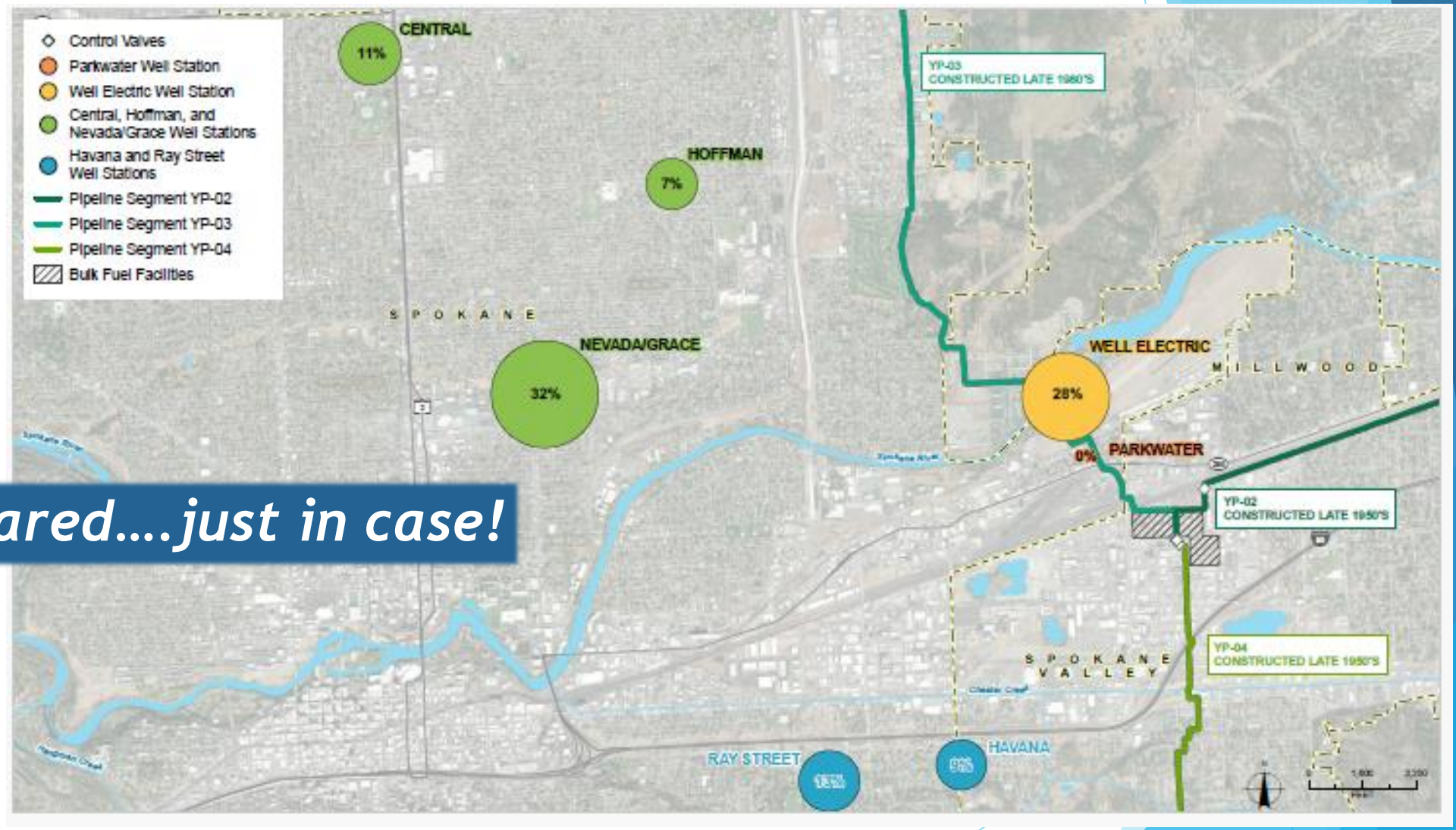
- Major **capital projects** take a **long time to build**
- Must be **adaptable** to **future change**
- The **expected is UNLIKELY** to happen

Yellowstone Pipeline



Normal operations

Yellowstone Pipeline



Being prepared….just in case!

Nimble Operations Staff

Attitude

Training

Tools

Planning Provides Opportunity

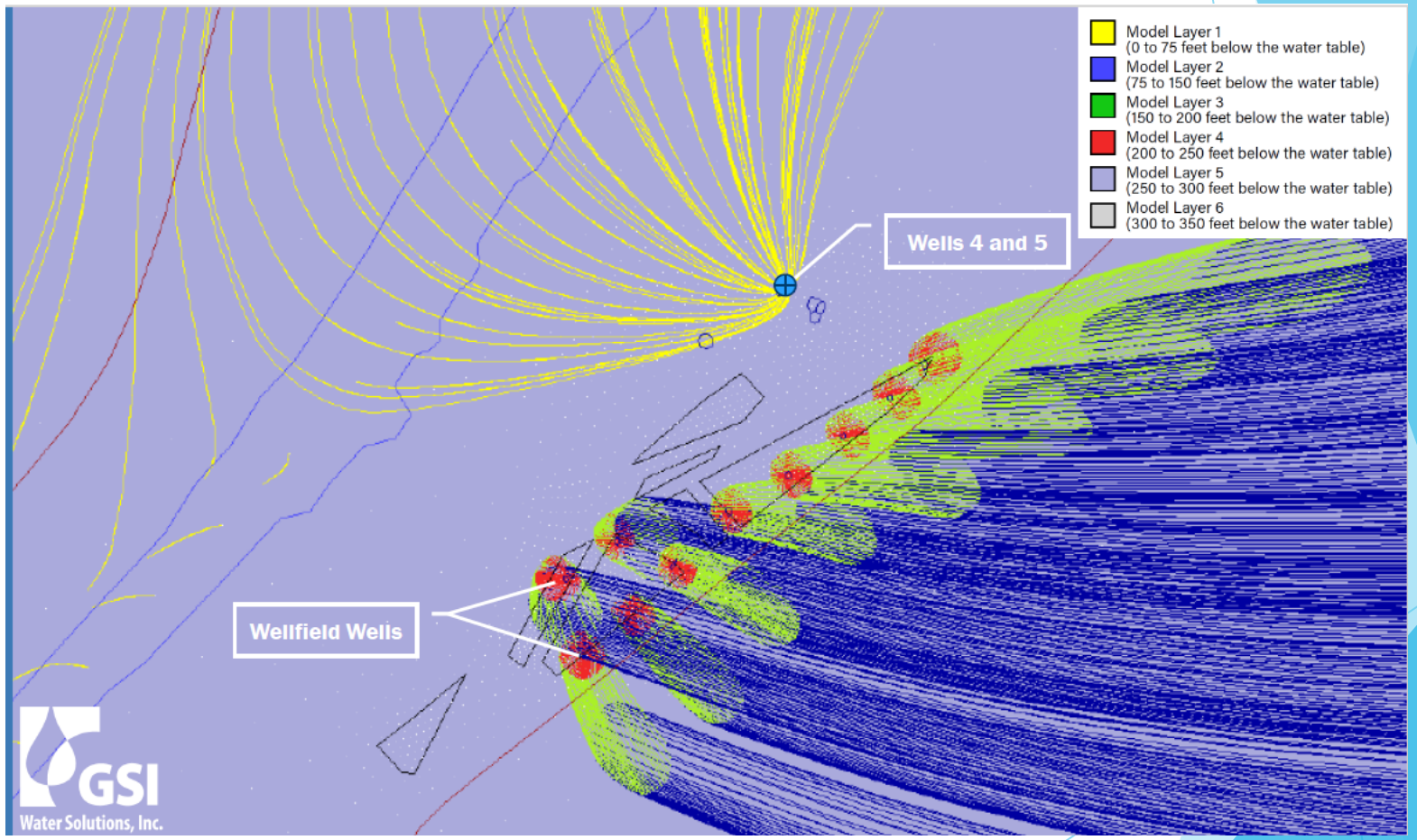
Well Station **equipment** is approaching the **end of its useful life.**

Planning for the impacts of growth and climate change in updating, rehabilitating, and rebuilding well stations **adds resiliency for a small additional cost.**

Exploration at Well Electric

Building for the Future at Well Electric

Deeper wells reduce risk



Original modeling

Havana Well Station Part 2

- Needed for **water supply south of I-90**
- **Resiliency from supply constraints** at Well Electric and Parkwater well stations
- Study provided **guidance** for timing and prioritization

Ray Street Well Station

NEED:

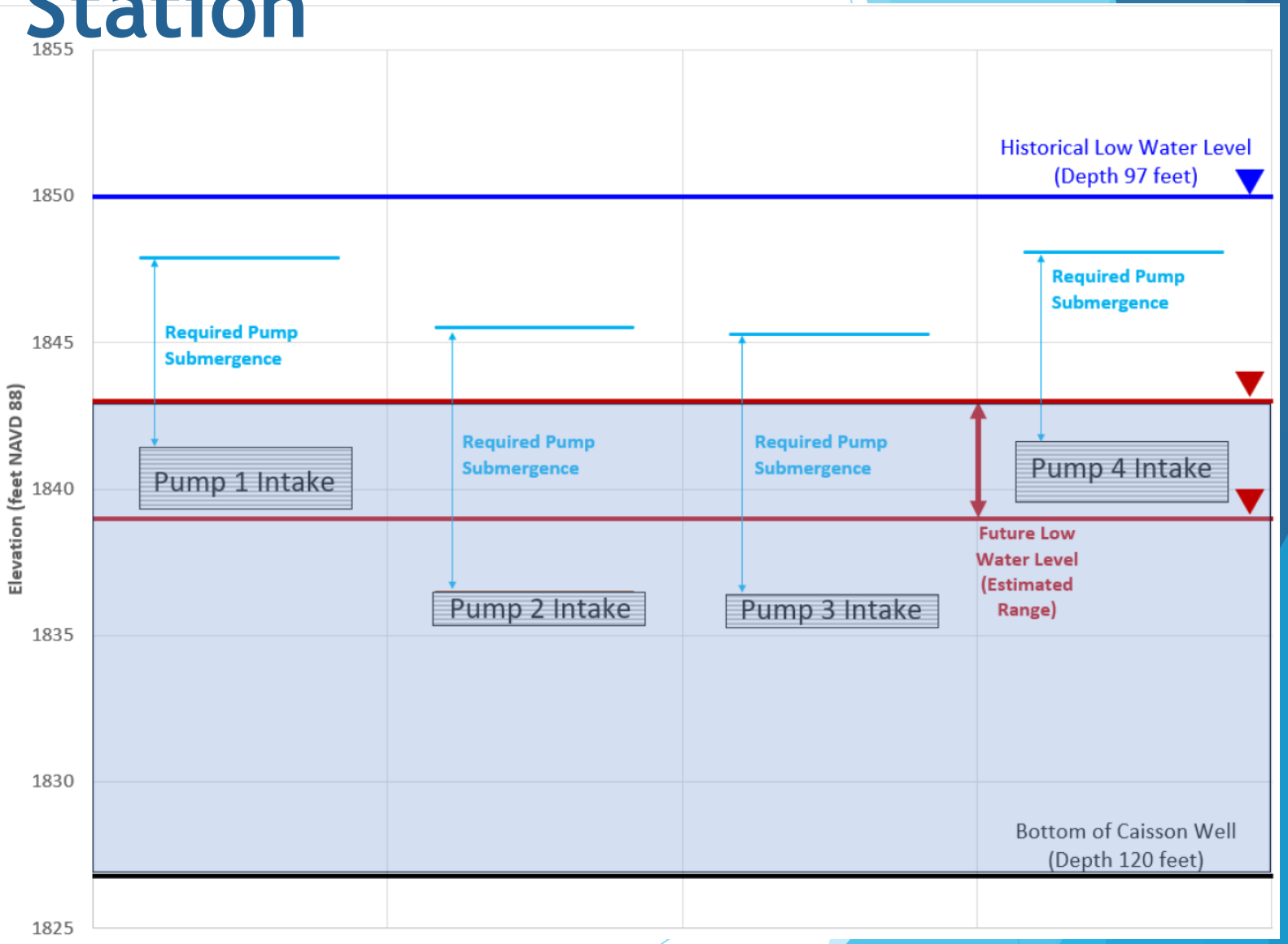
- Pump
- Electrical Upgrades
- Power

More information guides the scope.

Nevada Well Station

Add Grace Well Station

- **NEED:** Pump and electrical upgrades.
- **STUDY:** Determine the detailed scope of work and the long-range supply for 50+ years.
- **PLAN:** Water Supply Resiliency planning for 2070 with changes in aquifer and growth.



Parkwater Well Station

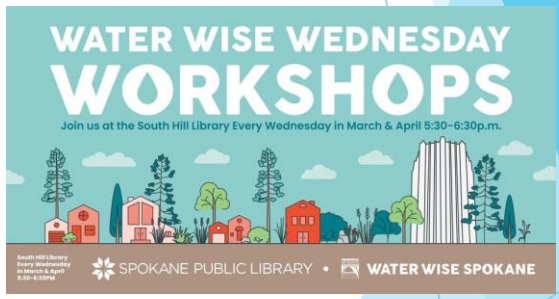
- **Last** well station to **study**
- **Benefit from lessons learned** from other well stations

Water Wise Spokane

Hydrants & Filling Stations

Advanced Metering Infrastructure (AMI)

Conservation Programs



THANK YOU!