City of Ukiah
Recycled Water Project

May 3, 2019
Ukiah

- Mendocino County
- Population of 16,075 (35,000)
- Headwaters of Russian River
  - On the 101 north of Santa Rosa
- Economic hub
  - Agriculture
  - Tourism
  - Light manufacturing
Project Drivers

• Regulatory constraints
  – Discharge to Russian River leading to WWTP upgrade
  – Extraction of River water for agricultural use - irrigation and frost protection

• Diversified water supply
  – Drought resilient supply
  – Conservation
Timeline

- 2008 Severe Frost Season (30 events vs 6)
- 2011 Russian River Frost Protection Regulation
- 2012 Feasibility Study-four phase approach
- 2014 Drought begins
- 2015 Phase 1 Preliminary Design Report (30% design)
- 2015 Drought funding becomes available (Prop 1)
- 2016 Funding received for Phases 1 thru 3
- 2016 Water balance, zero discharge, nitrogen, CEQA
- 2017 Final design
- 2017 Litigation Funding delay (UVSD)
- 2017 Bidding and start of construction
- 2019 Project completion
Project description

• Phase 1-3
  – 66 MG of storage
  – 8 miles of pipe
  – 3400 GPM pumping station
  – 4 MGD CCB
  – 650 acres of agriculture, School, and Parks

• Phase 4
  – 6 miles of pipe
  – 1 MG tank
  – Ponds
  – Booster station
  – Schools, Parks, Cemetery, and Golf Course
Project Cost

- Phase 1-3
  - $34M
    - $9M grant
    - $25 loan (1% @ 30 yrs)

- Phase 4
  - $18M
Anticipate benefits

- Reduced river discharge
  - 60% (Phases 1-3)
  - 80% (w/ Phase 4)
- Water Supply Reliability
  - 1000 AFY offset
  - 1400 AFY w/ Phase 4
  - City
  - Adjacent agriculture
- Drought resilience
- Cost Avoidance
- Regulatory stability
- Fisheries
Video
Current status

• Phases 1-3
  – Pipeline Complete
  – Ponds Complete
  – CCB Complete
  – Permitting Complete
  – Pumping Station May 2019
  – Completion June 2019

• Phase 4
  – Preliminary Design
  – Funding