



# **WATER COST AND INFRASTRUCTURE IN WASHINGTON COUNTY, UT**

Executive Water Finance Board, March 2018 | Ron Thompson | WCWCD General Manager

# Revenue Sources



**WATER  
RATES**



**PROPERTY  
TAXES**



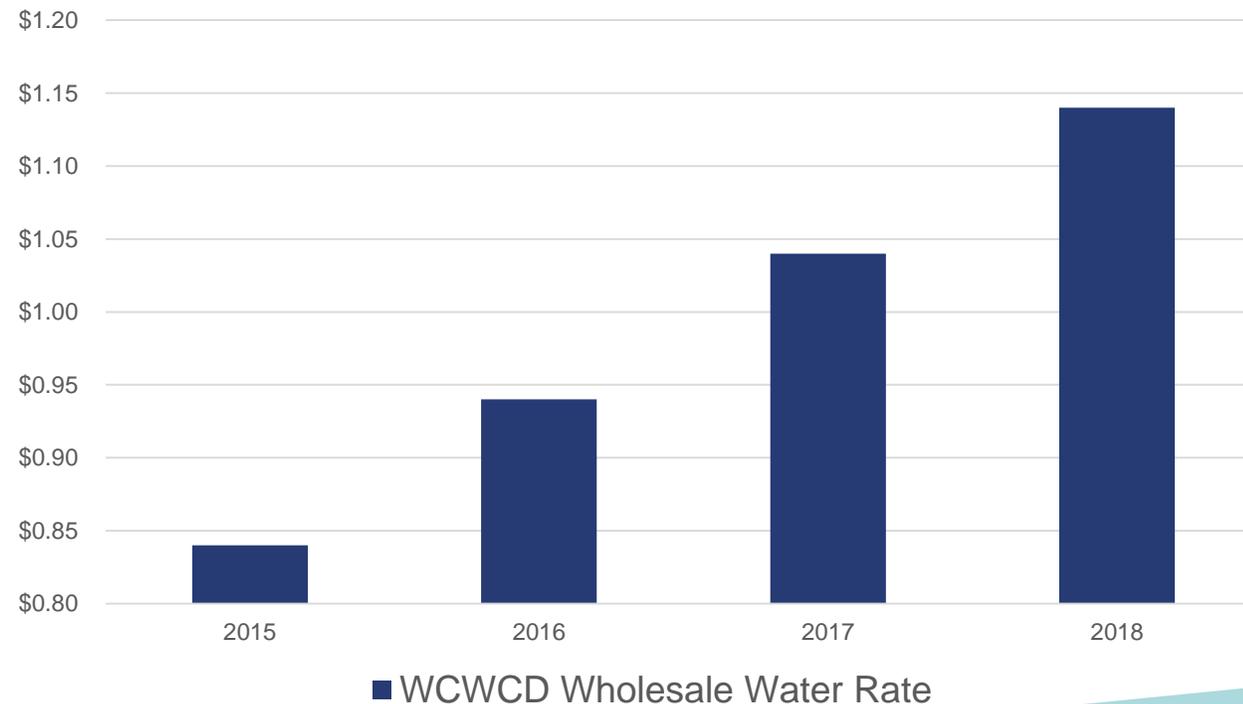
**IMPACT  
FEES**

# Wholesale Cost: Water Rates



**WATER  
RATES**

- 36% increase from 2015 - 2018
- Planned to increase \$0.10 per 1,000 gallons annually up to \$3.00



# Wholesale Cost: Property Taxes

- 2017 tax rate      0.0007
- Allowable limit      0.001
- Estimated 2017 Collection
  - Based on a \$250,000 home value
    - Non-primary resident: \$175
    - Primary resident: \$96.25



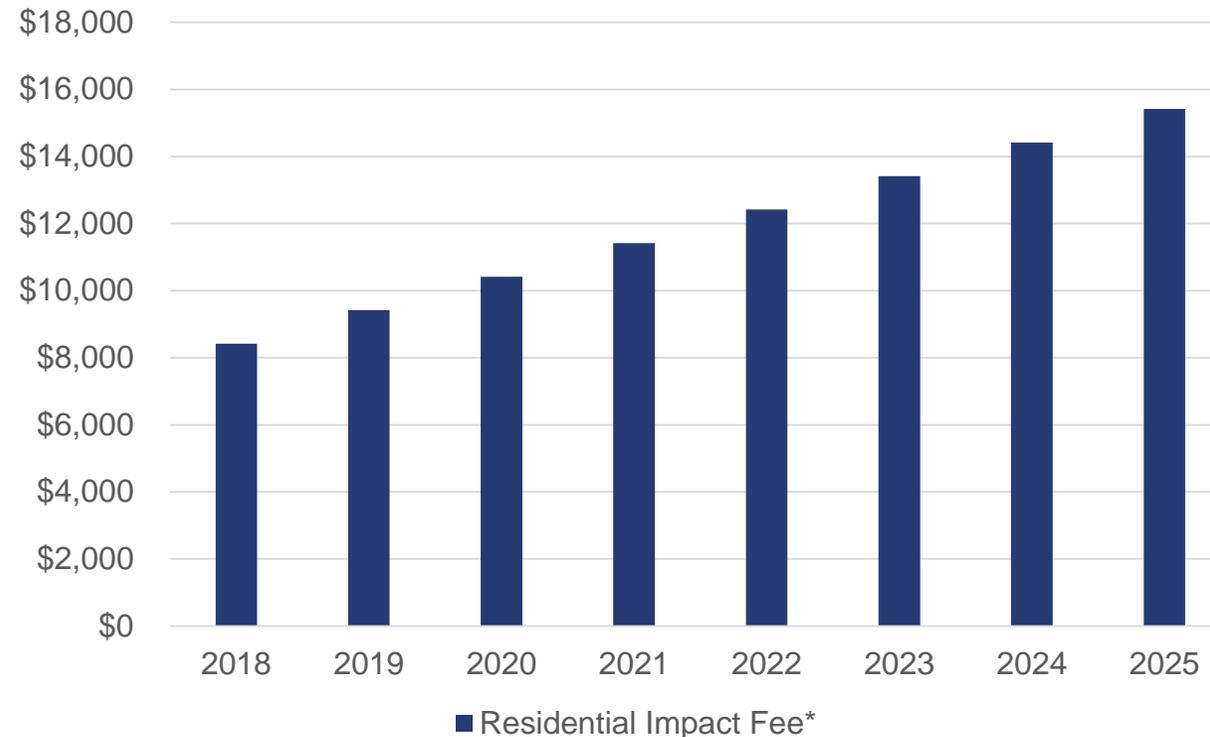
PROPERTY  
TAXES

# Wholesale Cost: Impact Fees



**IMPACT  
FEES**

- Fees increase annually as outlined in the Impact Fee Facilities Plan
- 2018 Fees
  - 0.75” meter \$8,417
  - 1” meter \$18,181
  - 1.5” meter \$60,350
  - 2” meter \$97,132



\*Based on a 10,000-square-foot lot with a 0.75” meter

# 2018 Monthly Retail Water Rates

	15k gallons	30k gallons	50k gallons
<b>St. George</b>	\$38.87	\$61.52	\$108.77
<b>Washington</b>	\$39.72	\$64.92	\$108.57
<b>Hurricane (outside pressurized irrigation zone)</b>	\$31.45	\$52.60	\$76.40
<b>Hurricane (inside pressurized irrigation zone)</b>	\$37.00	\$70.00	\$120.60
<b>Hurricane (Sand Hollow Basin)</b>	\$32.95	\$56.10	\$81.40
<b>Ivins</b>	\$45.50	\$76.55	\$134.75
<b>Santa Clara</b>	\$41.93	\$63.96	\$137.16
<b>Sky Ranch and Cliff Dwellers*</b>	\$48.25	\$103.75	\$295.75
<b>Casa de Oro*</b>	\$53.25	\$108.75	\$300.75

*\*Retail service provided by the Washington County Water Conservancy District*

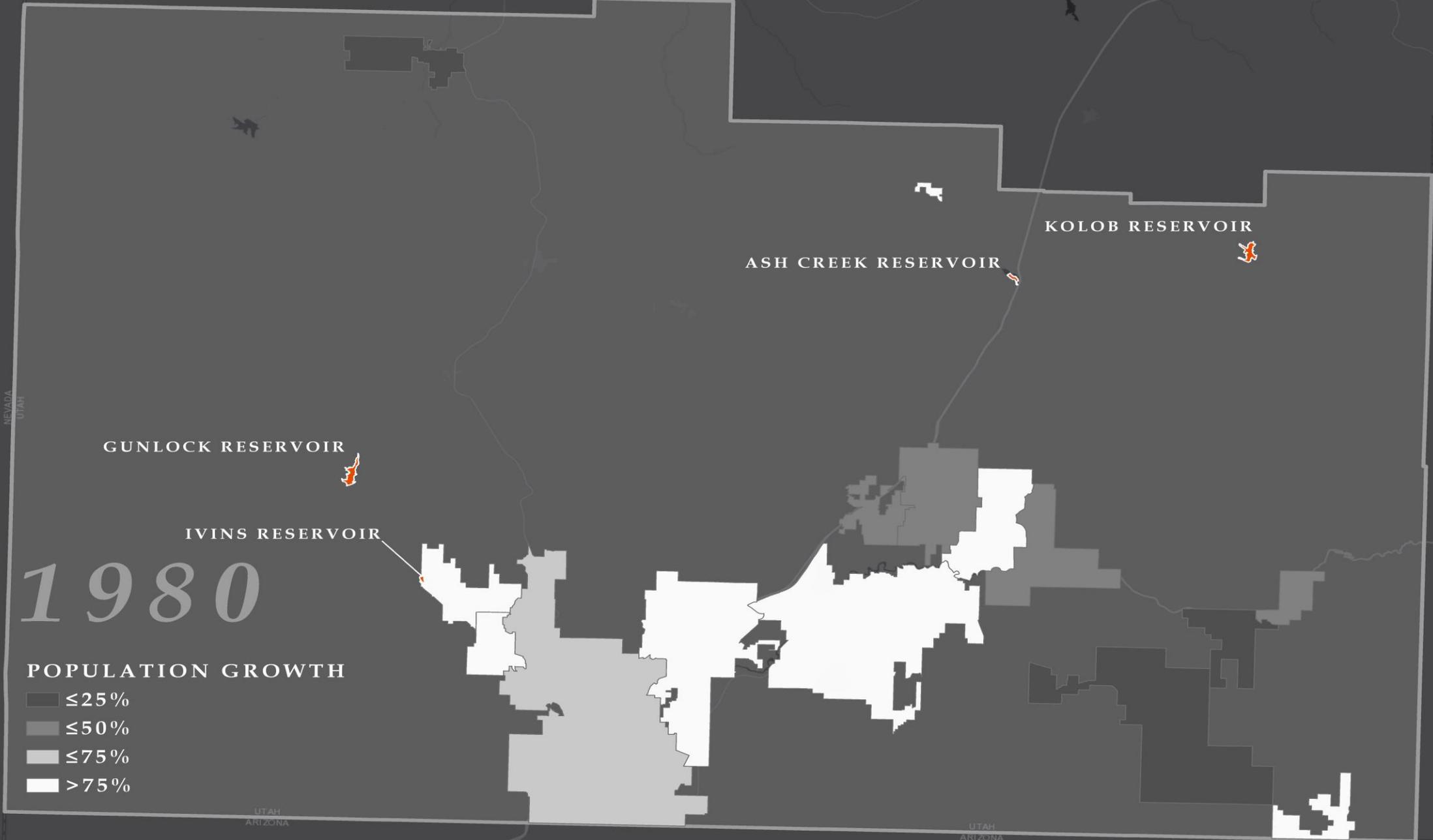
# Regional Water Supply Agreement

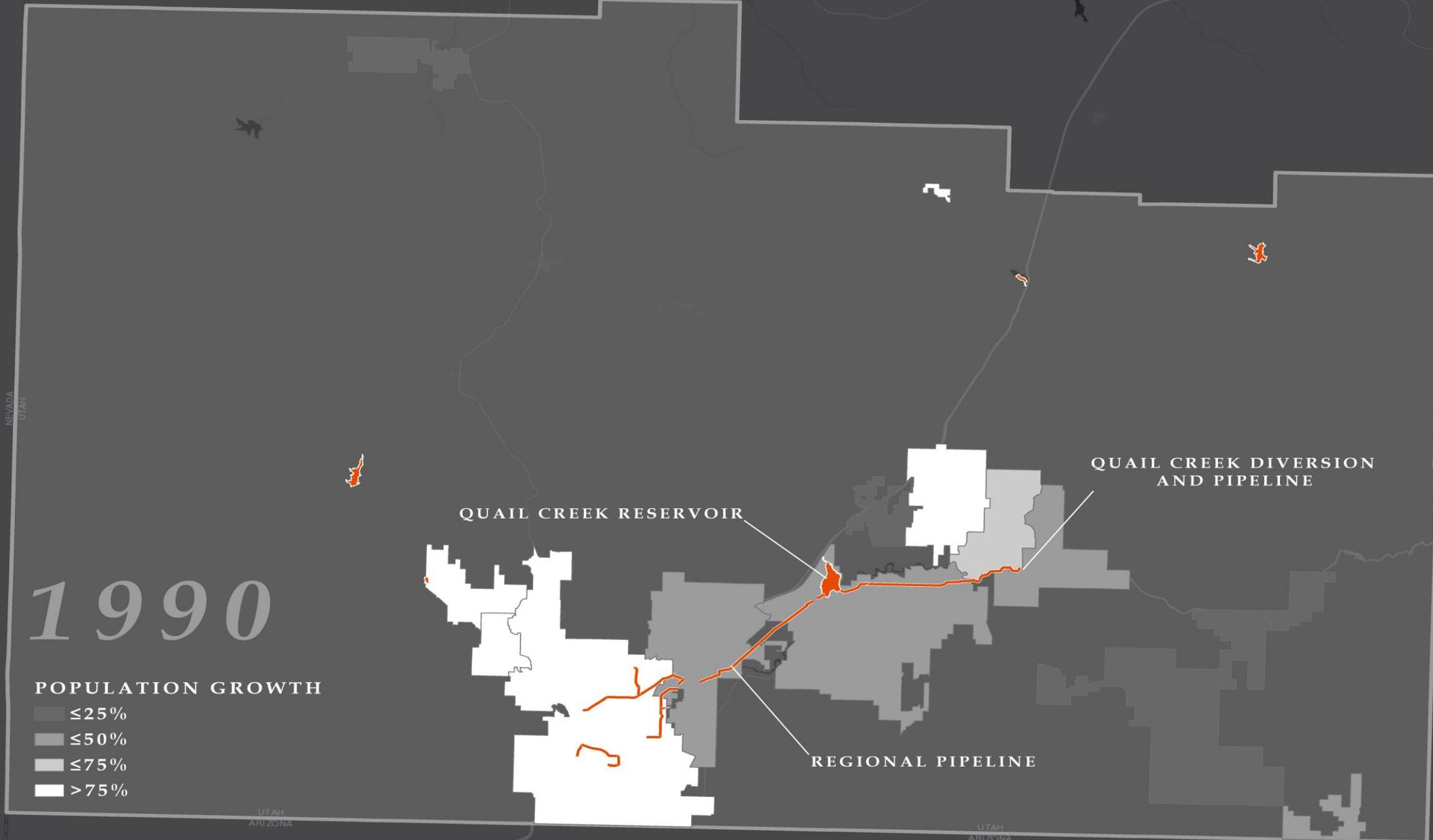
- Required to purchase water from the district
- Mandates all municipal customers have:
  - Water conservation plan
  - Increasing (tiered) water rate structure
  - Landscaping ordinances
  - Time of day watering ordinances
- Municipalities have the sole authority to implement and enforce conservation plan and all accompanying ordinances and restrictions

# Water Infrastructure Grows with the Community



# Review of Water Infrastructure Development by Decade





1990

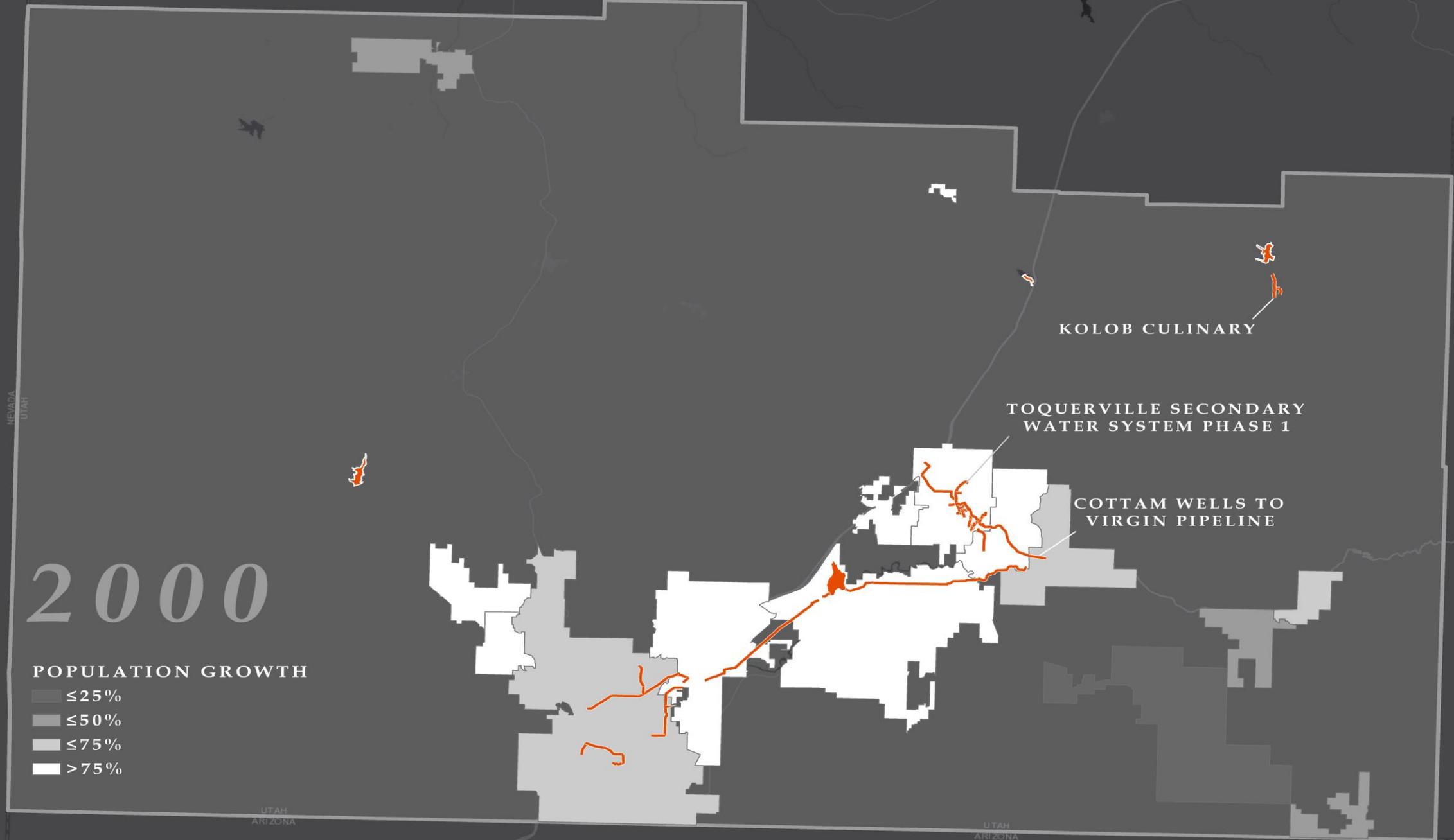
POPULATION GROWTH

- ≤25%
- ≤50%
- ≤75%
- >75%

QUAIL CREEK RESERVOIR

QUAIL CREEK DIVERSION AND PIPELINE

REGIONAL PIPELINE



NEVADA  
UTAH

UTAH  
ARIZONA

UTAH  
ARIZONA

CRYSTAL CREEK  
DIVERSION AND PIPELINE

WET SANDY AND LEAP CREEK  
DIVERSIONS AND PIPELINES

COTTAM WELLS TO  
HARRISBURG PIPELINE

TOQUERVILLE SECONDARY  
WATER SYSTEM PHASE 2

GUNLOCK TO  
SANTA CLARA PIPELINE

REGIONAL PIPELINE  
PHASE 2 & 3

HURRICANE VALLEY  
WATER SYSTEM

SAND HOLLOW  
RESERVOIR AND PIPELINES

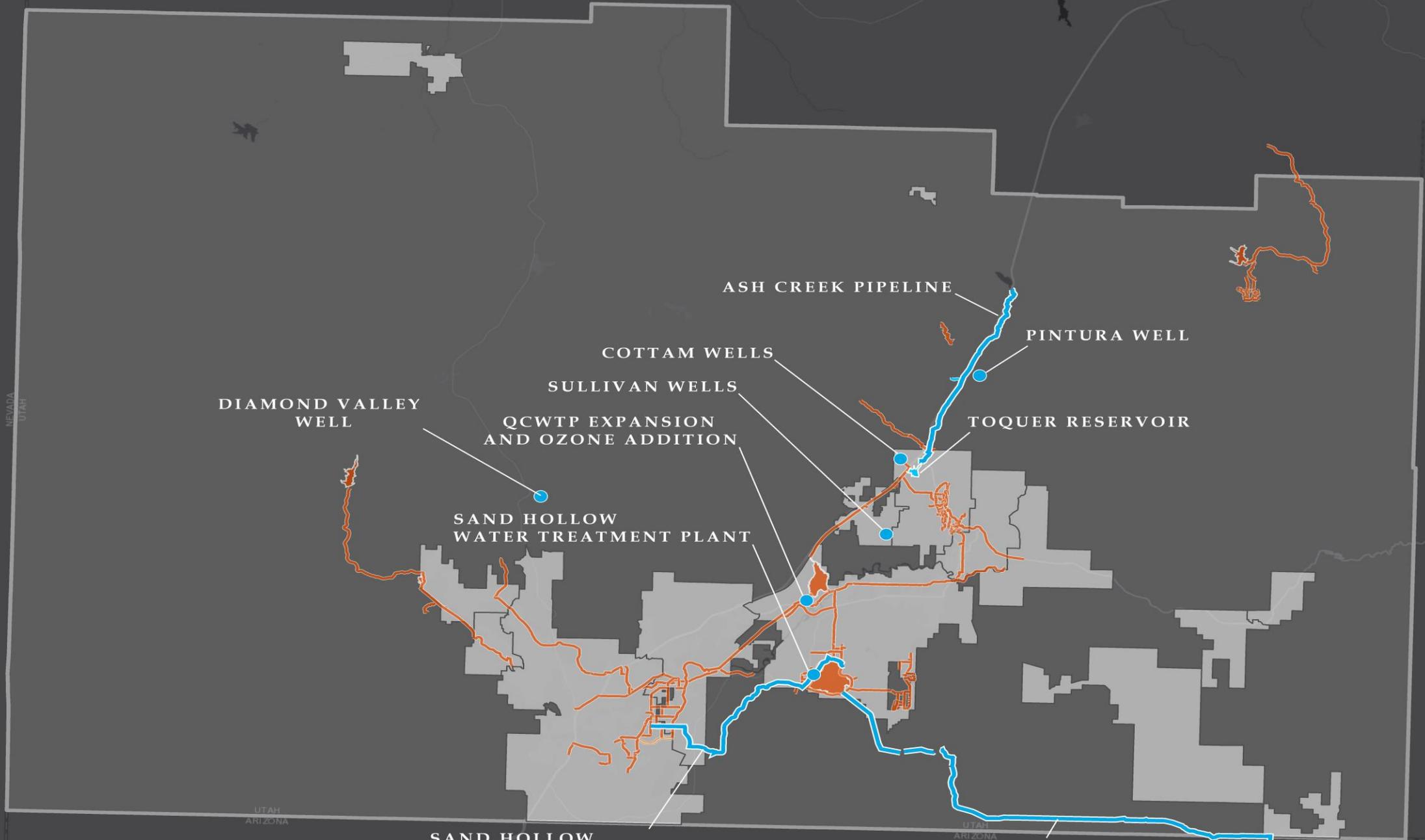
WASHINGTON FIELDS  
DIVERSION AND PIPELINE

# 2010

## POPULATION GROWTH

- ≤25%
- ≤50%
- ≤75%
- >75%

# PLANNED DEVELOPMENT THROUGH 2026



# Metering Water in Washington County

- Culinary water is metered at the point of diversion and point of end use
- The seven largest municipalities have automatic metering read systems
- Most secondary water is metered at the point of diversion

# Smart Metering in Washington County

- Smart meters allow for real-time monitoring and provides detailed water use report to consumer
- The district has installed smart meters on two of its retail culinary systems
  - 185 residential and institutional customers
  - Estimated \$55,000 cost
- The district is installing smart meters on its sole secondary water system, the Toquerville Secondary Water System
  - 400 residential and agricultural users
  - Estimated \$581,000 cost
- Large municipalities are working on selection and/or phasing in installation of smart meters for their culinary systems

# Repair & Replacement Funding

- An annually adjusted repair and replacement charge is a component of the district's water rates
- The district has accumulated more than \$10.5 million for the repair and replacement of capital assets

# Q&A