

WEBER BASIN WATER  
CONSERVANCY DISTRICT

WEBER BASIN WATER CONSERVANCY DISTRICT

# REGIONAL CONSERVATION PROGRAMS

MARCH 12, 2024

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Assistant General Manager

# WEBER BASIN WATER CONSERVANCY DISTRICT MISSION



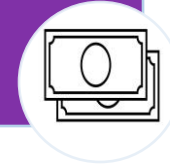
Conserve and Develop  
Water Resources



Manage, Construct,  
Operate and Maintain  
WBP and District  
Facilities



Maintain Responsible  
Financial Stability



Supply High Quality  
Drinking Water



Deliver Agricultural  
and Urban Irrigation  
Water





# WEBER BASIN WATER CONSERVANCY DISTRICT

- 5 COUNTIES
- 2,500 SQUARE MILES
- 700,000 RESIDENTS
- 7 DAMS
- 3 POWER PLANTS
- 4 WTPS
- 500+ MILES OF PIPELINE
- 240,000 ACRE-FEET



# WEBER BASIN WATER CONSERVANCY DISTRICT

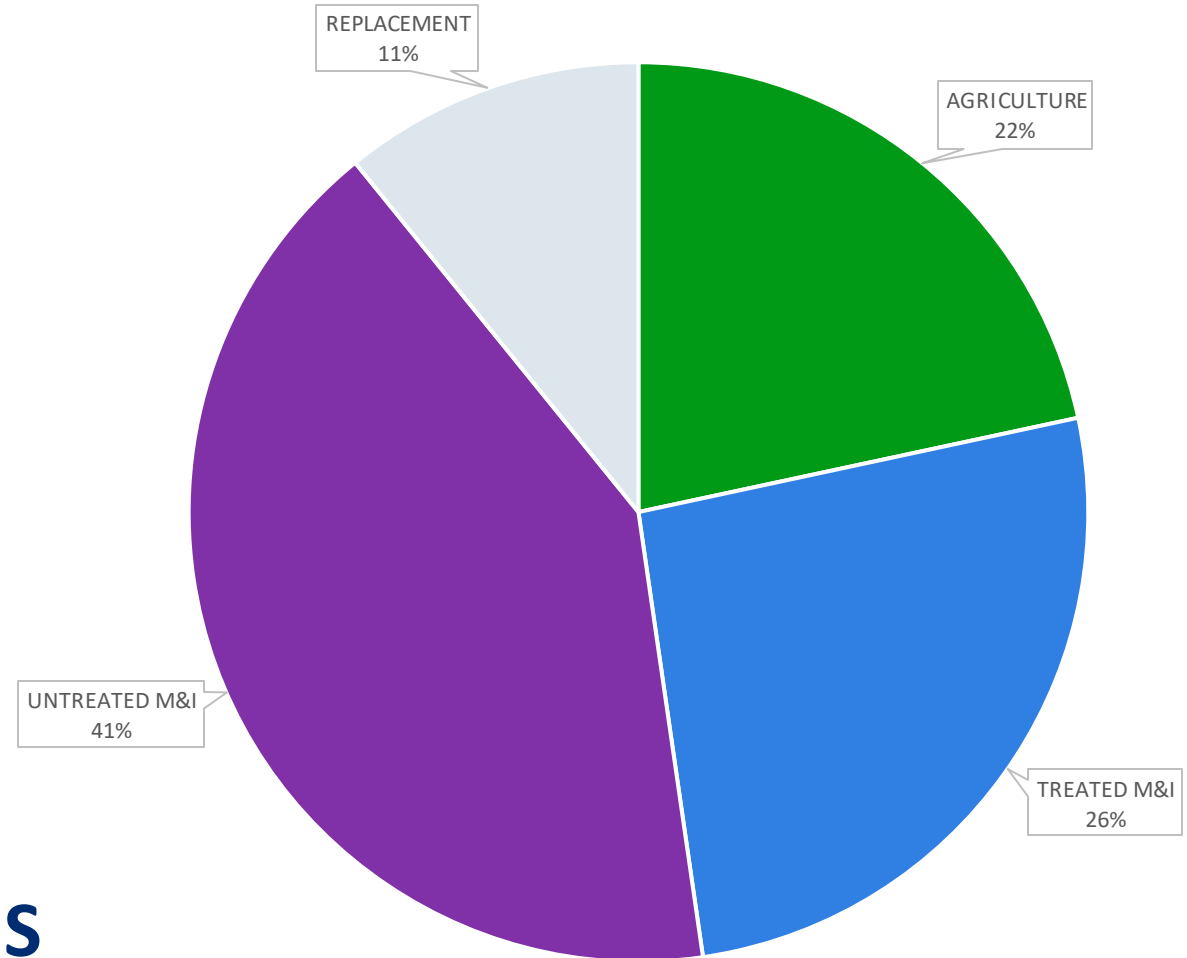
DISTRICT CONTRACTS

240,000 ACRE-FEET

- AGRICULTURE
- TREATED M&I
- UNTREATED M&I
- REPLACEMENT

## ENVIRONMENT

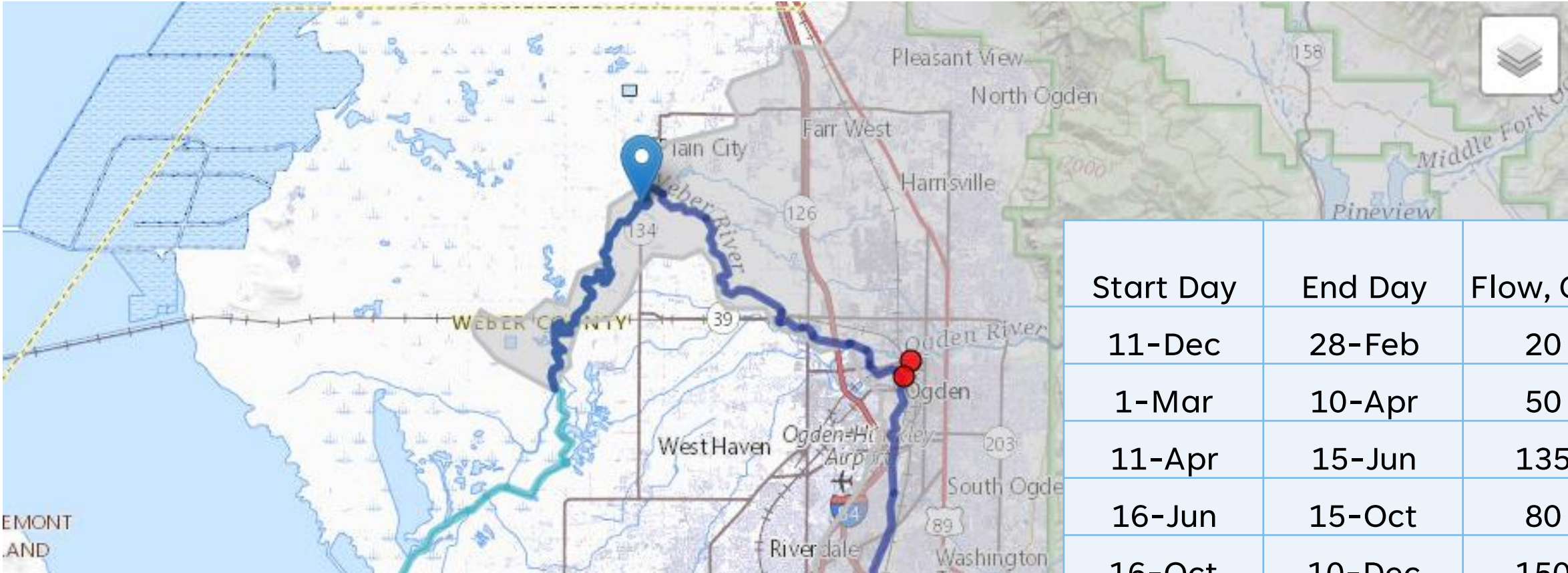
- 60,000-80,000 ACRE-FEET
- 50+ M&I ENTITIES
- 50+ IRRIGATION COMPANIES



# WEBER BASIN WATER CONSERVANCY DISTRICT

## ENVIRONMENT

- 60,000-80,000 AF





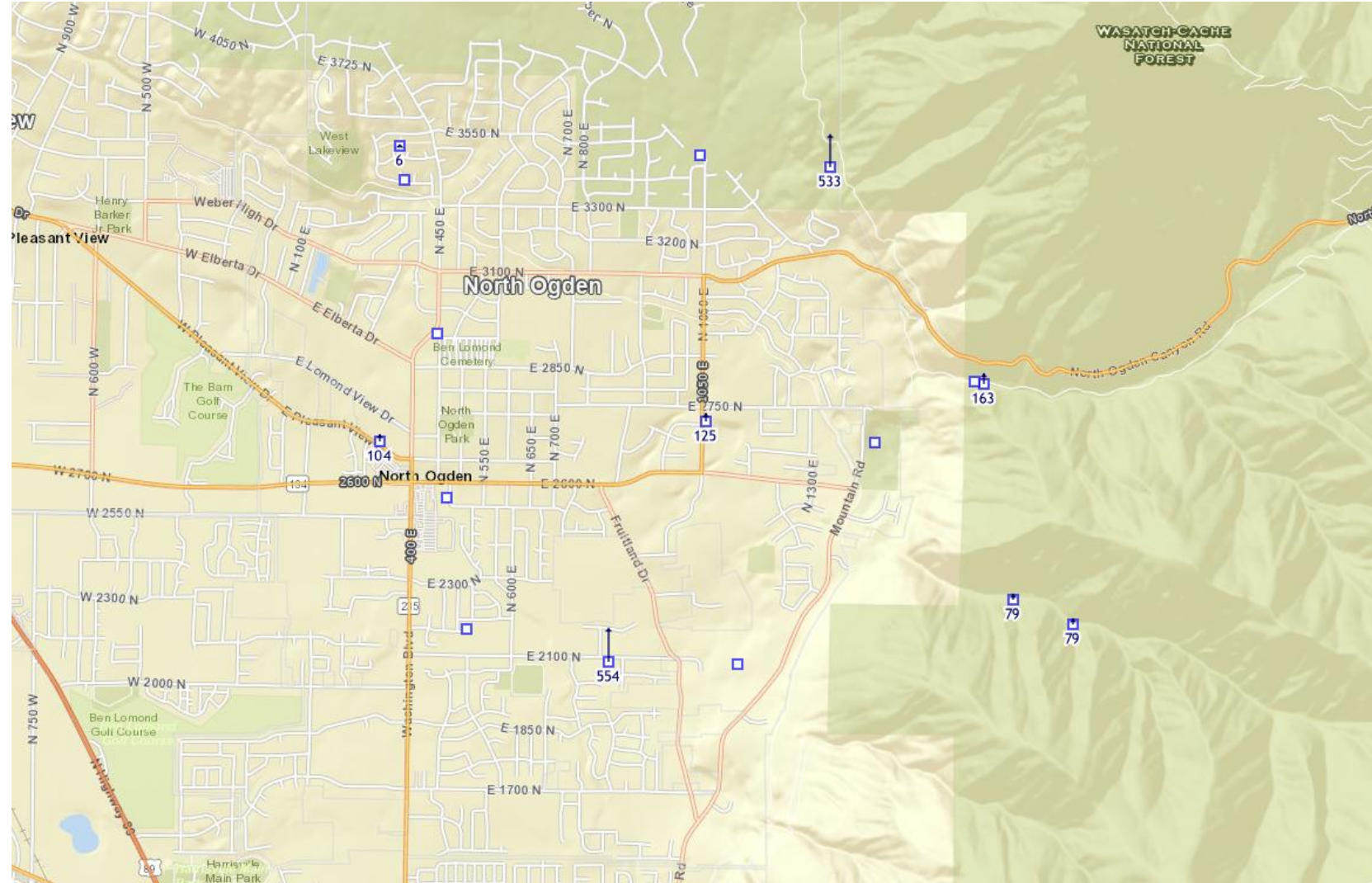
# WEBER BASIN WATER CONSERVANCY DISTRICT

## NORTH OGDEN WATER SUMMARY

- 1,640-2,000 AF
- 8 SOURCES
  - 3 SPRINGS
  - 5 WELLS

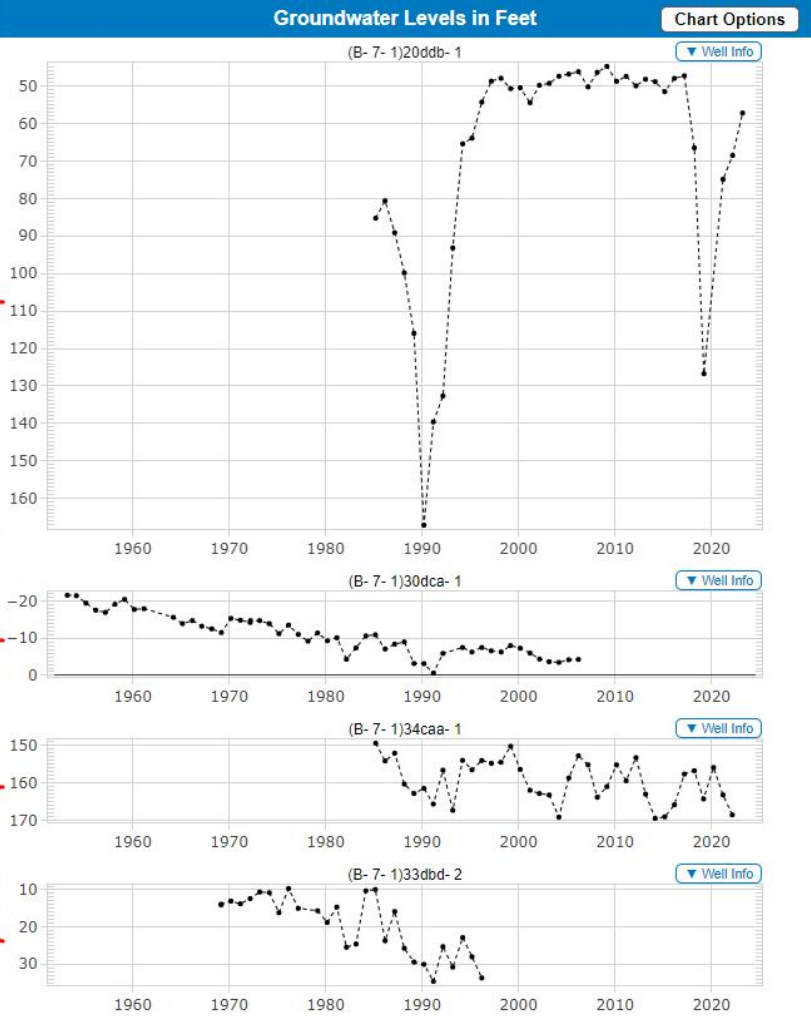
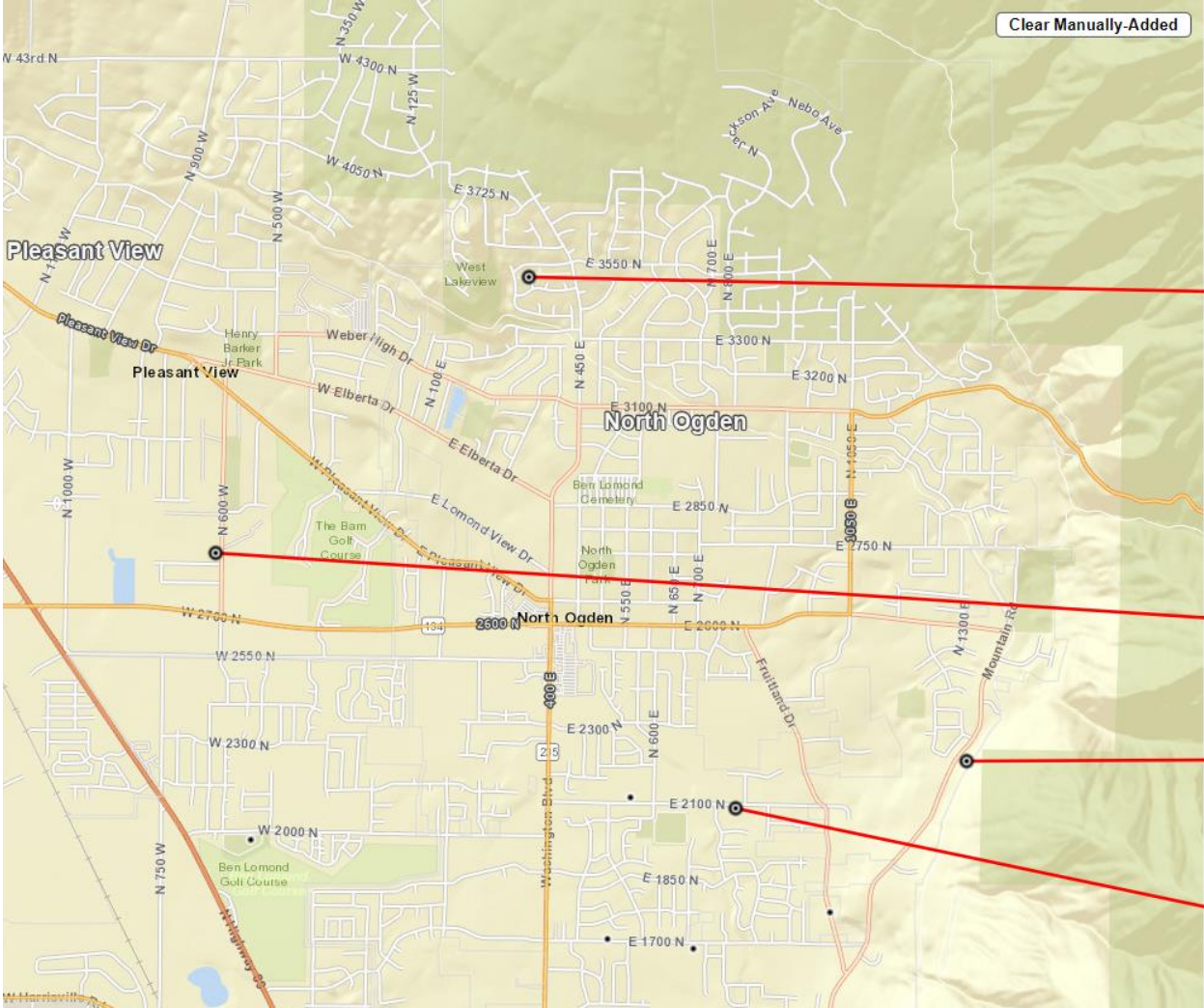
## PINEVIEW WATER

- 9,000-10,000 AF



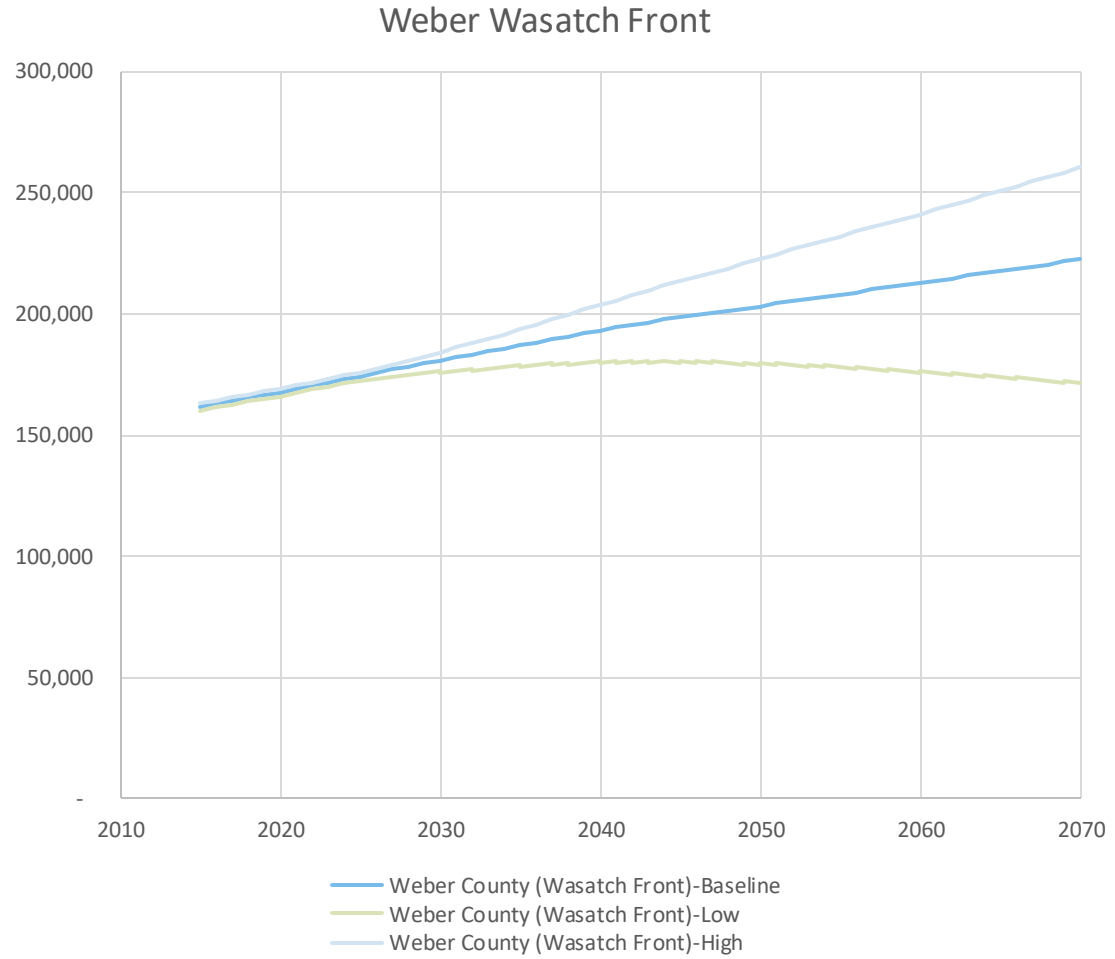
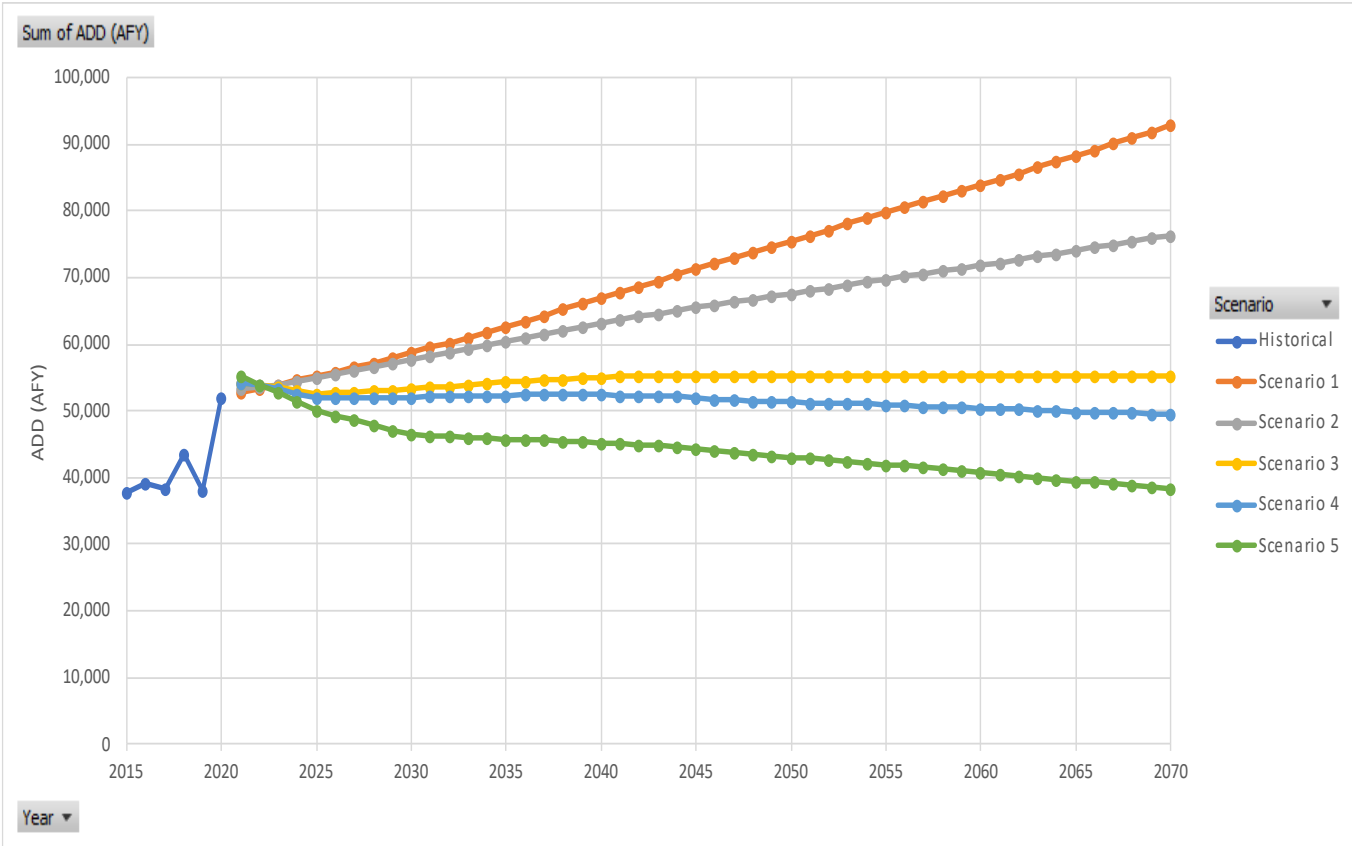
# WEBER BASIN WATER CONSERVANCY DISTRICT

## NORTH OGDEN WATER SUMMARY



# WEBER BASIN WATER CONSERVANCY DISTRICT

## SUPPLY AND DEMAND





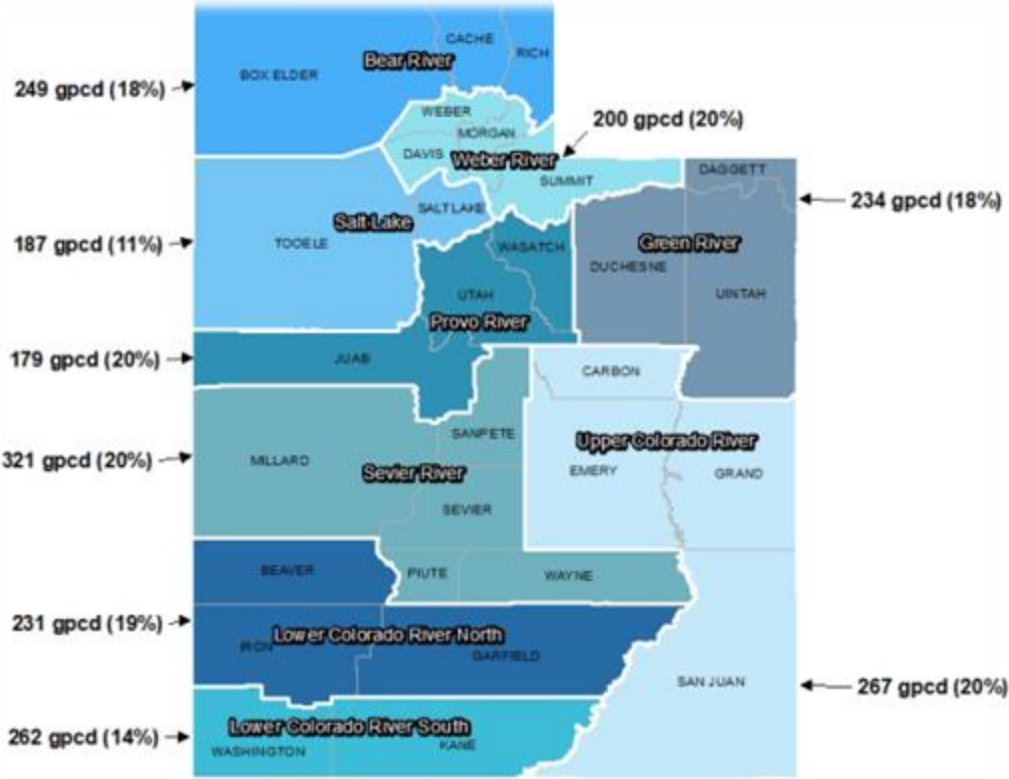
# WEBER BASIN WATER CONSERVANCY DISTRICT

## CONSERVATION PROGRAMS

Proposed Regional M&I 2030 Water Conservation Goals and Future Goal Projections

Region	2015 Baseline (gpcd)	2030 Goal		2040 Projection		2065 Projection	
		Goal (gpcd)	Reduction from 2015	Projection (gpcd)	Reduction from 2015	Projection (gpcd)	Reduction from 2015
Bear River	304	249	18%	232	24%	219	28%
Green River	284	234	18%	225	21%	225	21%
Lower Colorado River North	284	231	19%	216	24%	205	28%
Lower Colorado River South	305	262	14%	247	19%	237	22%
Provo River	222	179	20%	162	27%	152	32%
Salt Lake	210	187	11%	178	15%	169	19%
Sevier River	400	321	20%	301	25%	302	24%
Upper Colorado River	333	267	20%	251	25%	248	25%
Weber River	250	200	20%	184	26%	175	30%
Statewide	240	202	16%	188	22%	179	26%

Note M&I = municipal and industrial; gpcd = gallons per capita per day based on permanent population. Reported per-capita use includes all residential, commercial, institutional, and industrial uses averaged over the permanent population in each region.



Proposed M&I Water Conservation Regions and 2030 Goals

# WEBER BASIN WATER CONSERVANCY DISTRICT

## CONSERVATION PROGRAMS

- EDUCATION
- INCENTIVES
- METERING/POLICY

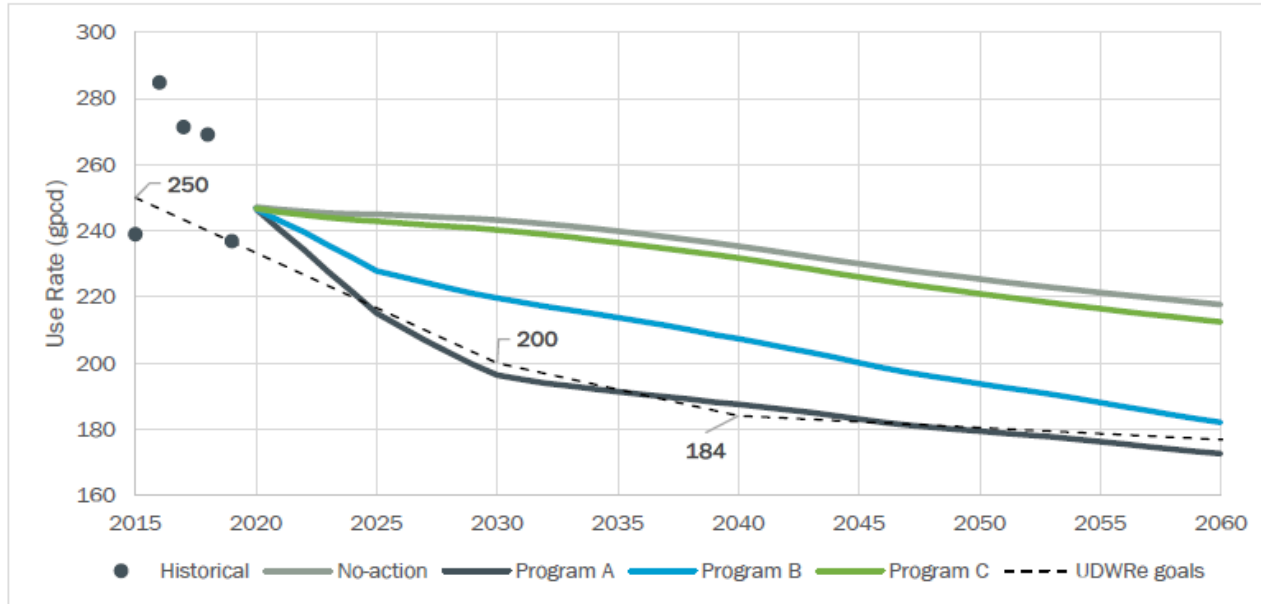
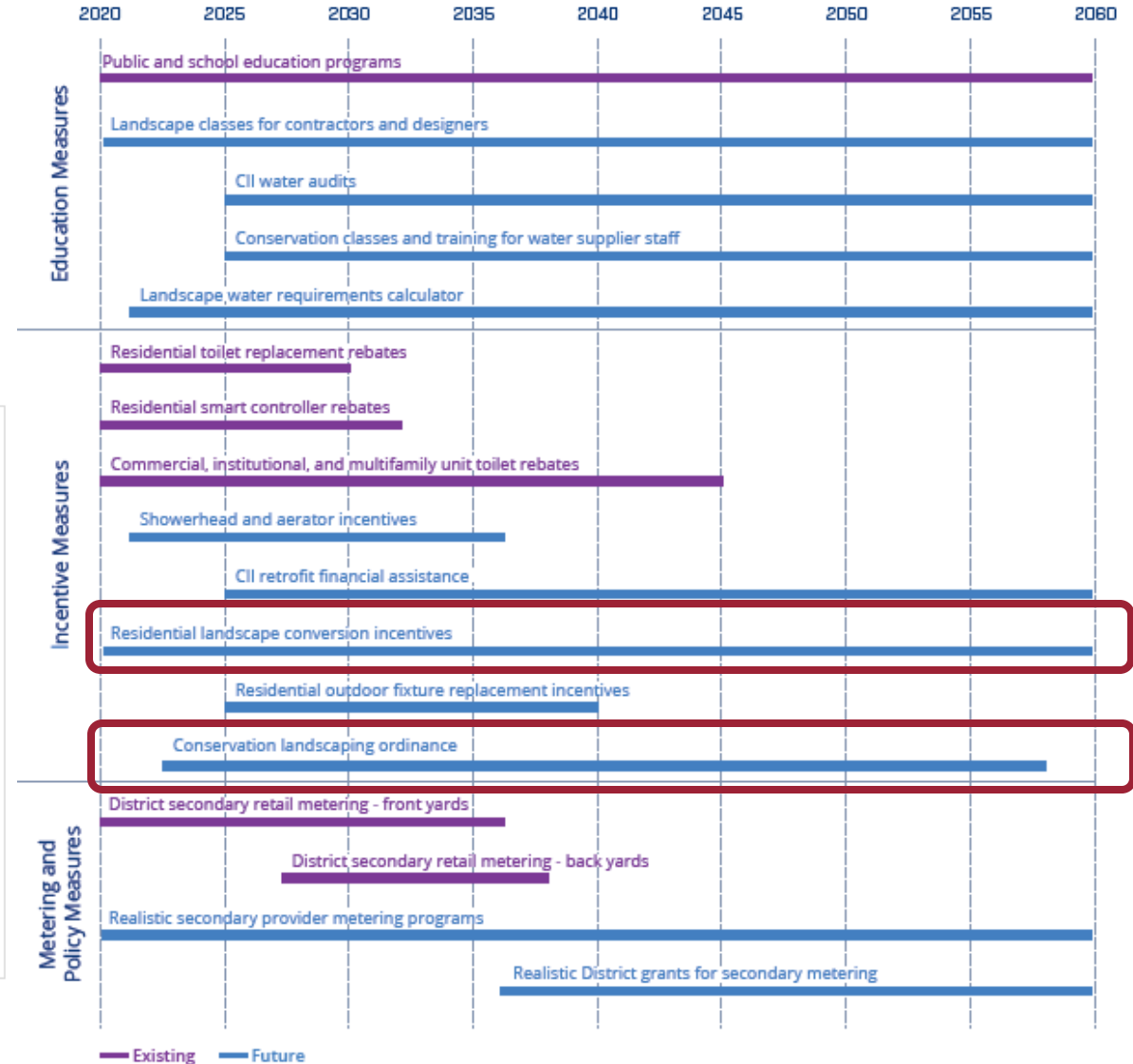


Figure 20. Usage rate projections

All projections include plumbing code improvements and exclude NRW



# WEBER BASIN WATER CONSERVANCY DISTRICT

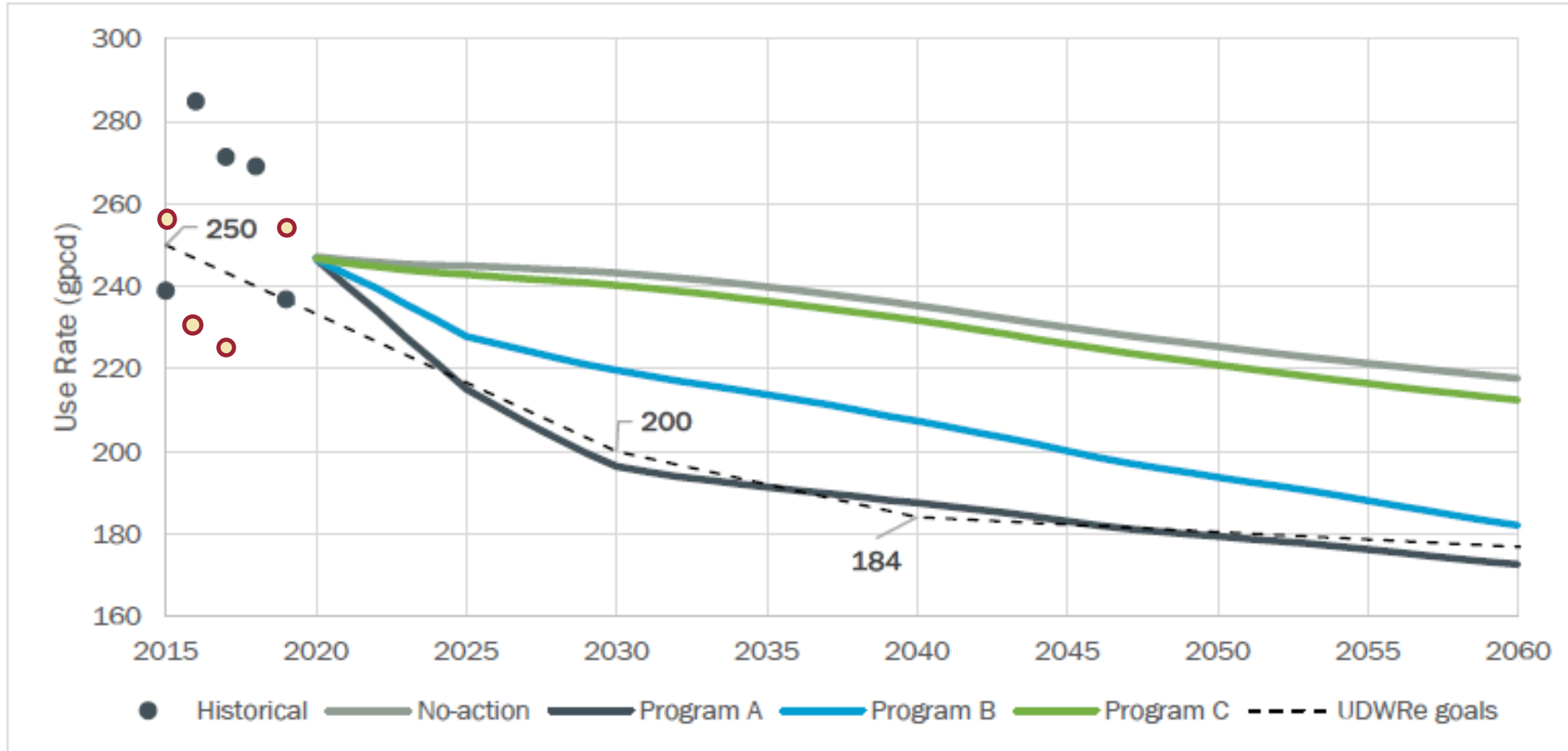


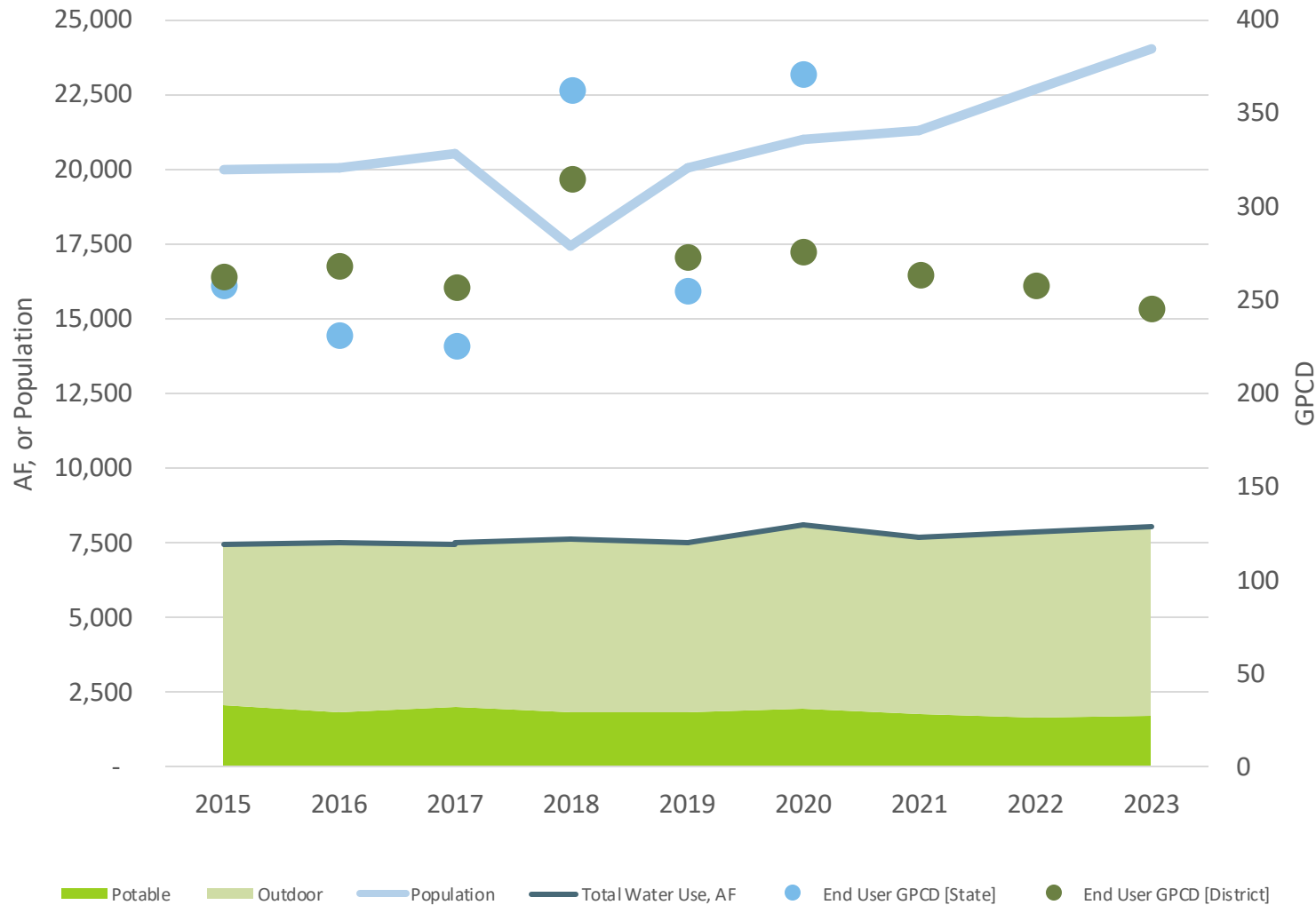
Figure 20. Usage rate projections

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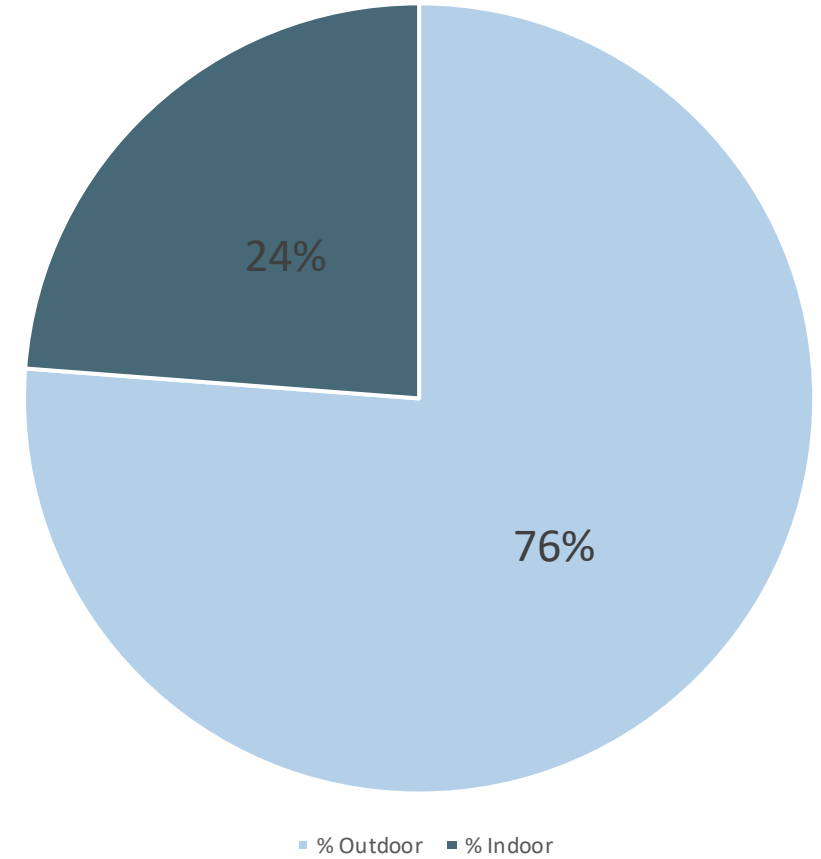


# NORTH OGDEN WATER USE SUMMARY

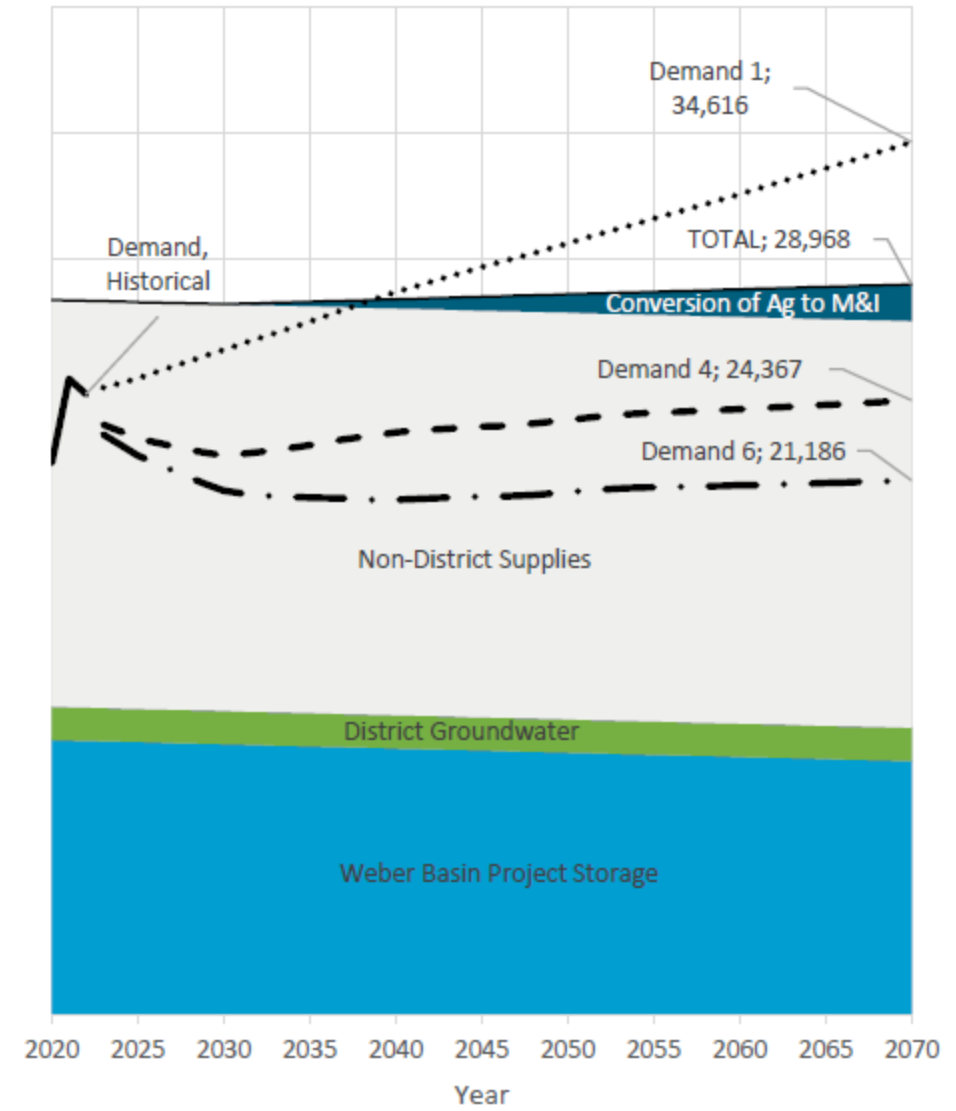
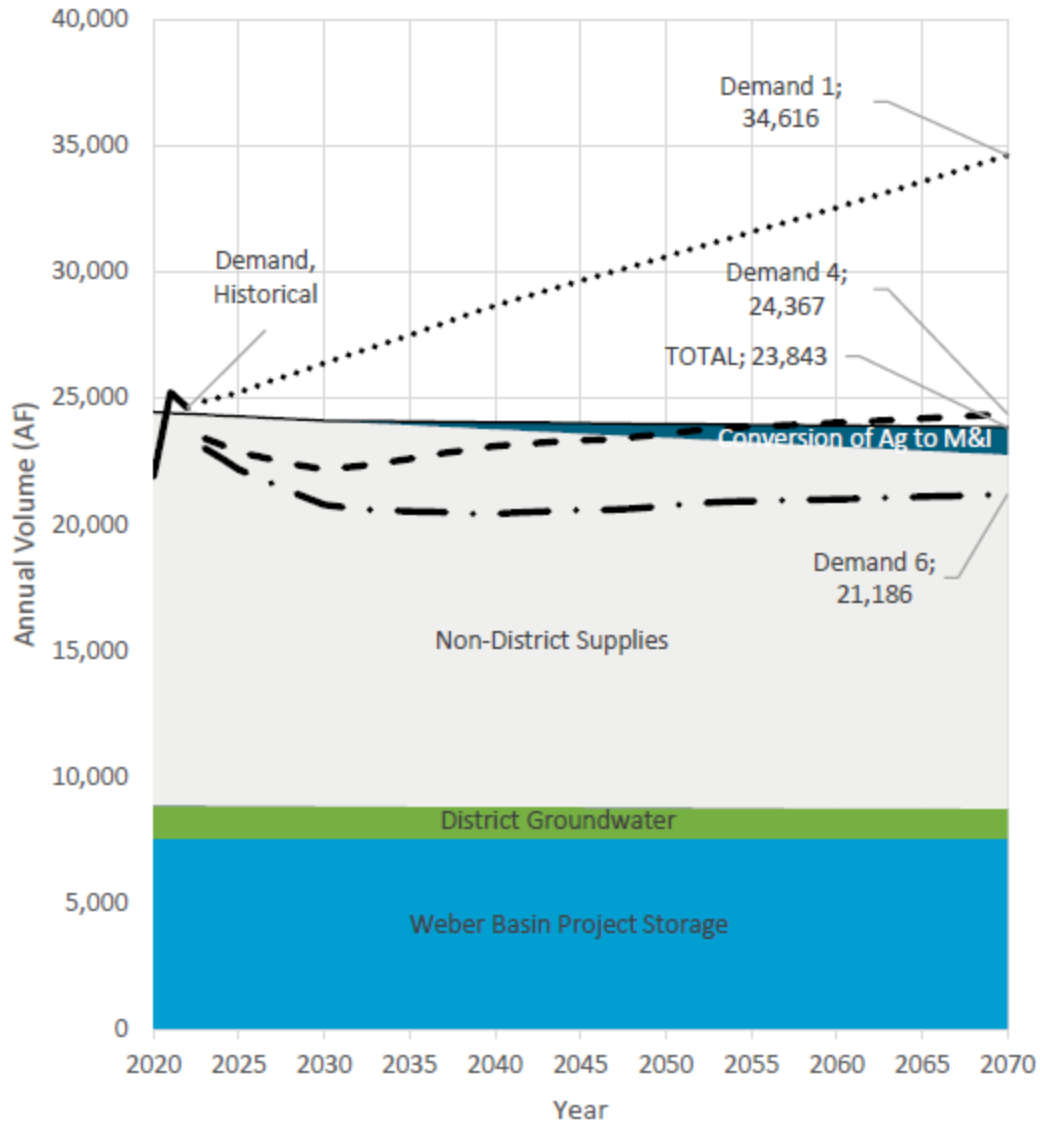
North Ogden Water Usage Summary



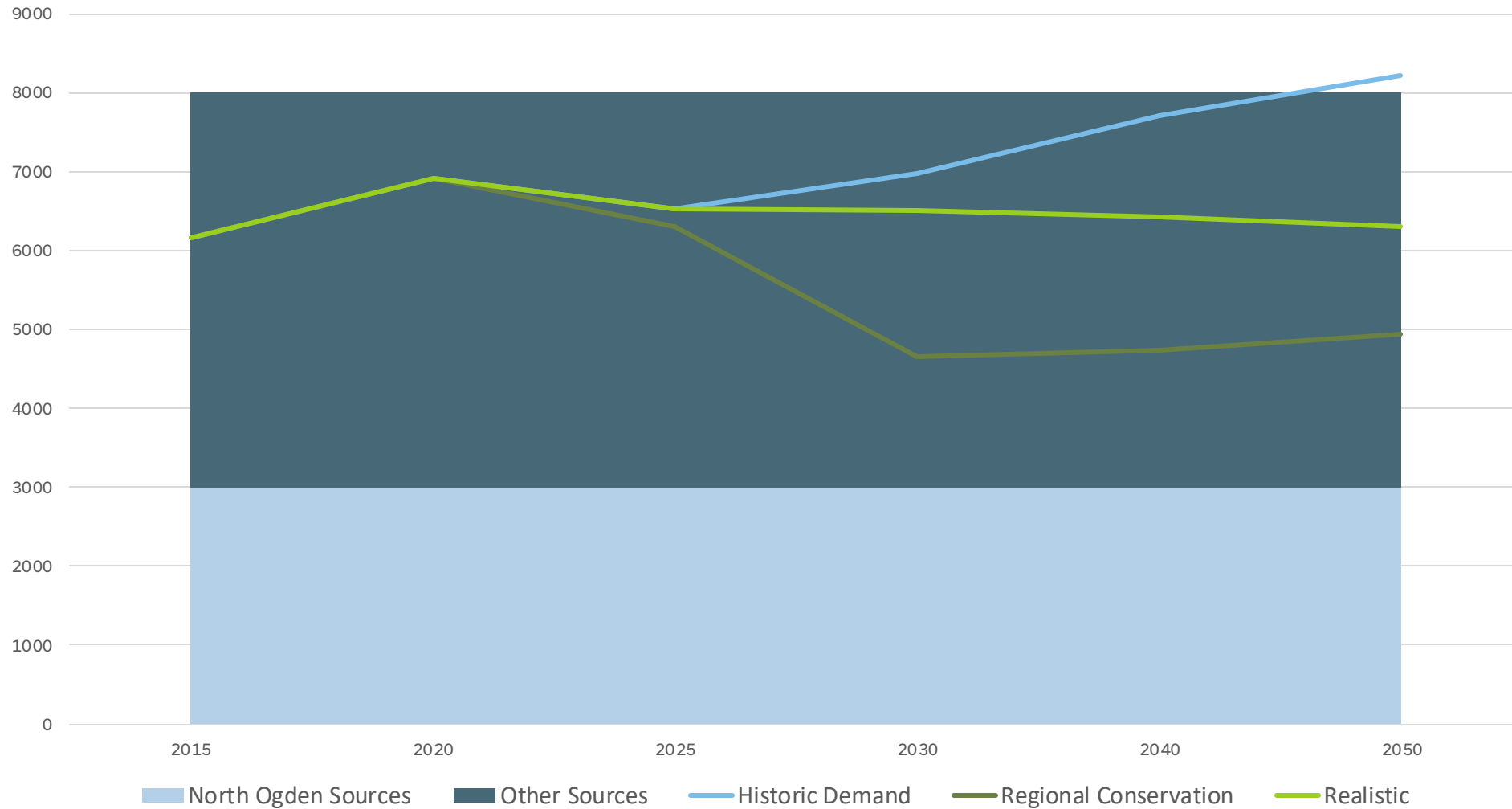
North Ogden Indoor/Outdoor %



# WEBER BASIN WATER CONSERVANCY DISTRICT



# NORTH OGDEN WATER USE SUMMARY





## PROBLEM

## WHY IS THERE A NEED FOR AN INCENTIVE PROGRAM?

### LANDSCAPE WATER CONSUMPTION

70% of water used in a residential application is used to water landscape. Most of that water is used to irrigate lawn.

### INEFFICIENT IRRIGATION

Many irrigation systems are designed, installed, or maintained with inefficiencies. This results in thousands of gallons of water wasted.

### WATER SUPPLY AND DEMAND

Populations in the Weber Drainage are projected to increase substantially by 2060. The supply of water is not expanding to meet that demand.

### CUSTOMERS

Motivated by saving time, money, and the environment. However, some cannot afford to make a change alone.



## A SOLUTION

In addition to previously implemented programs like Flip Your Strip and Localscapes

### SB 118 - 2023

Provides funding for water conservancy districts and the State to provide incentives for lawn replacement.

### TARGET PARTICIPANTS

Residential, Commercial, Industrial, and Institutional properties. Excludes parks, and golf courses.

The goal and target of these incentive programs is to reduce the amount of water used to irrigate turfgrass that is planted in non-functional areas. It is not an attack on all turfgrass.





# LANDSCAPE INCENTIVES OVERVIEW



# LANDSCAPE INCENTIVE PROGRAMS

## WHAT ARE THEY?

Prior to SB 118, Water Districts implemented programs aimed at removing lawn from one of the least “used” piece of lawn on any property.



## FLIP YOUR STRIP BASICS

- Apply **before** any work starts.
- Remove all lawn.
- Retrofit irrigation system.  
Remove spray heads. Install drip irrigation.
- Some areas of the State require plant coverage, others don't.  
Check City codes.
- Submit for incentive payment.



## LANDSCAPE INCENTIVE PROGRAMS

### WHAT ARE THEY?

### HOW DO I KNOW IF QUALIFY?

- Cities must adopt ordinances that meet the water efficient landscaping standards set by the State and District.
- No lawn on parking strips or areas less than eight feet in width in new development.
- No more than 35% of front and side yard landscaped area in new residential developments is lawn. Lawn limitations do not apply to small residential lots with less than 250 square feet of landscaped area.
- In new commercial, industrial, institutional and multi-family development common area landscapes, lawn areas shall not exceed 20% of the total landscaped area. outside of active



## LANDSCAPE INCENTIVE PROGRAMS

What is the Incentive?

\$2.50 PER SQUARE FOOT OF LAWN REMOVED  
AND REPLACED WITH WATER EFFICIENT  
LANDSCAPING.



### Program Requirements

- Must replace lawn with water efficient landscaping
- Project area must be relandscaped to 35% plant coverage.
- Converted landscape must be irrigated with drip irrigation with a pressure regulator and filter visible.
- Lawn replaced with impermeable surfaces will not be considered as part of project area.



# TURF INCENTIVES BY THE NUMBERS

WEBER BASIN WATER CONSERVANCY DISTRICT

1985

Total Applications

630

Completed Projects

543,264

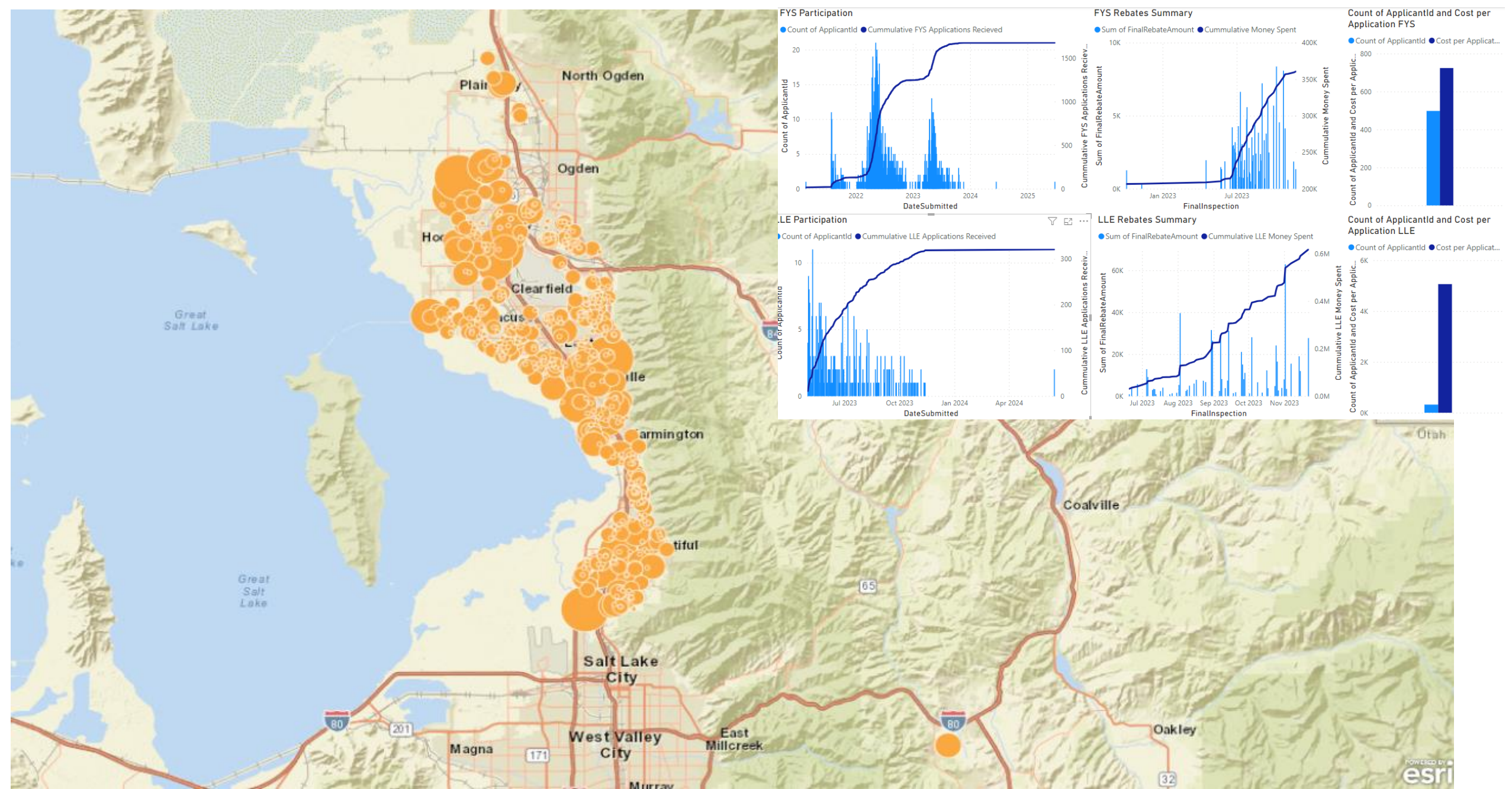
Square feet of lawn  
replaced

\$986,524.0  
0

Incentives Paid

6,728,460

Gallons not applied on  
landscapes annually





## EXAMPLES







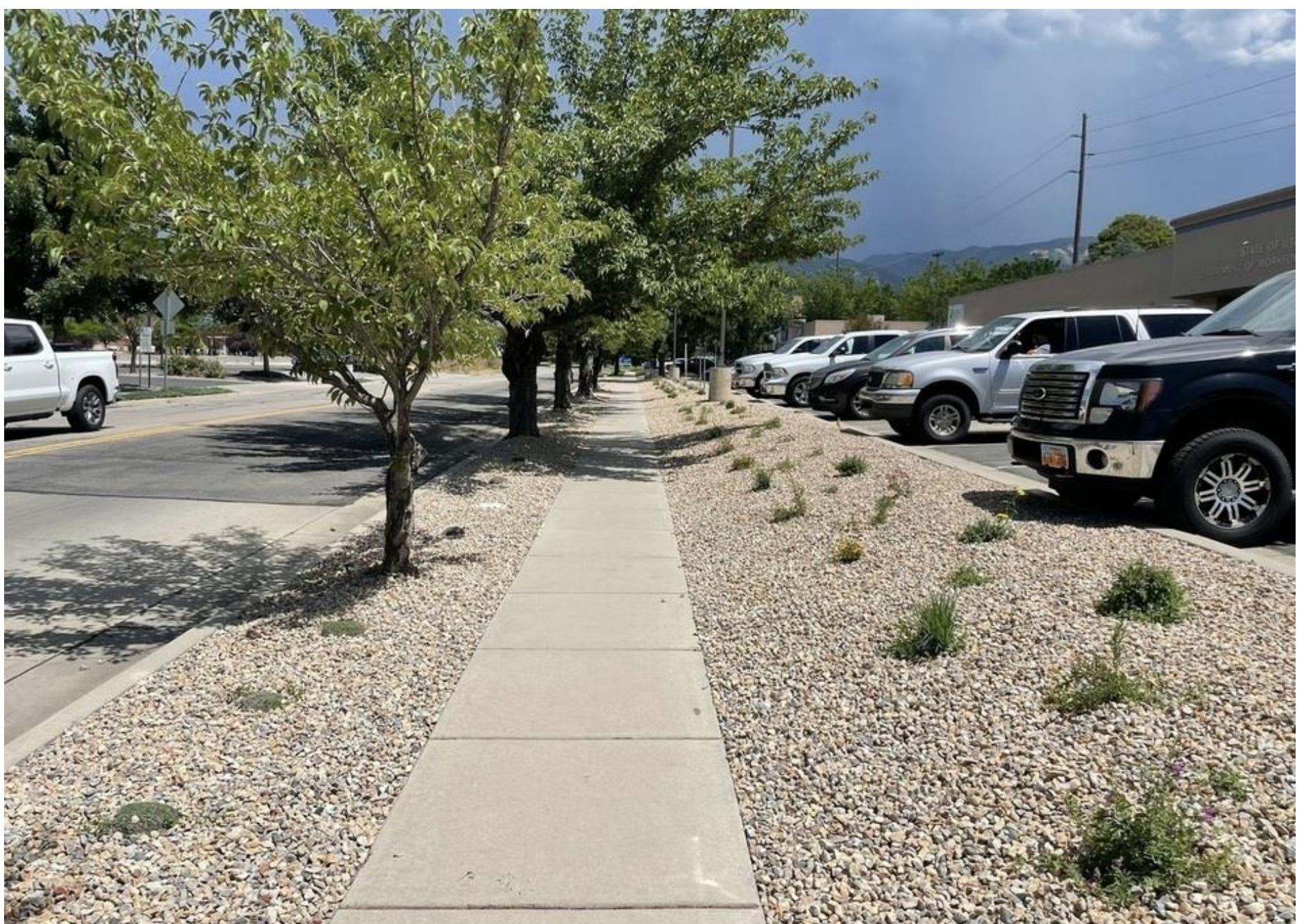
























## NEXT STEPS

### 1. Drafting of Ordinances

- All New Development:
  - No lawns in parkstrips or areas with widths less than 8 feet
  - No lawn on slopes greater than 35%
  - Drip irrigation in areas not planted with lawn
- Residential
  - Lawn not to exceed 35% irrigable space in front and side yard
- CII
  - Lawn not to exceed 15% total irrigable space
  - Allowances for designated recreational areas

### 2. District Review/Approval

### 3. City Adoption of Ordinances

### 4. Notify Weber Basin

### 5. City Added to Eligible Communities

### 6. Residents Start Applying



# Questions?

**THANK YOU**

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