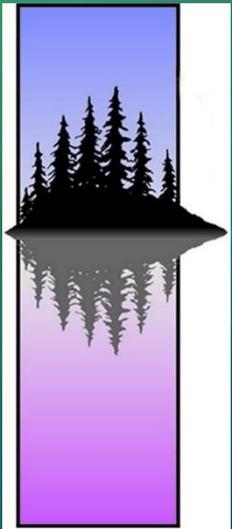


# WEBER BASIN WATER CONSERVANCY DISTRICT



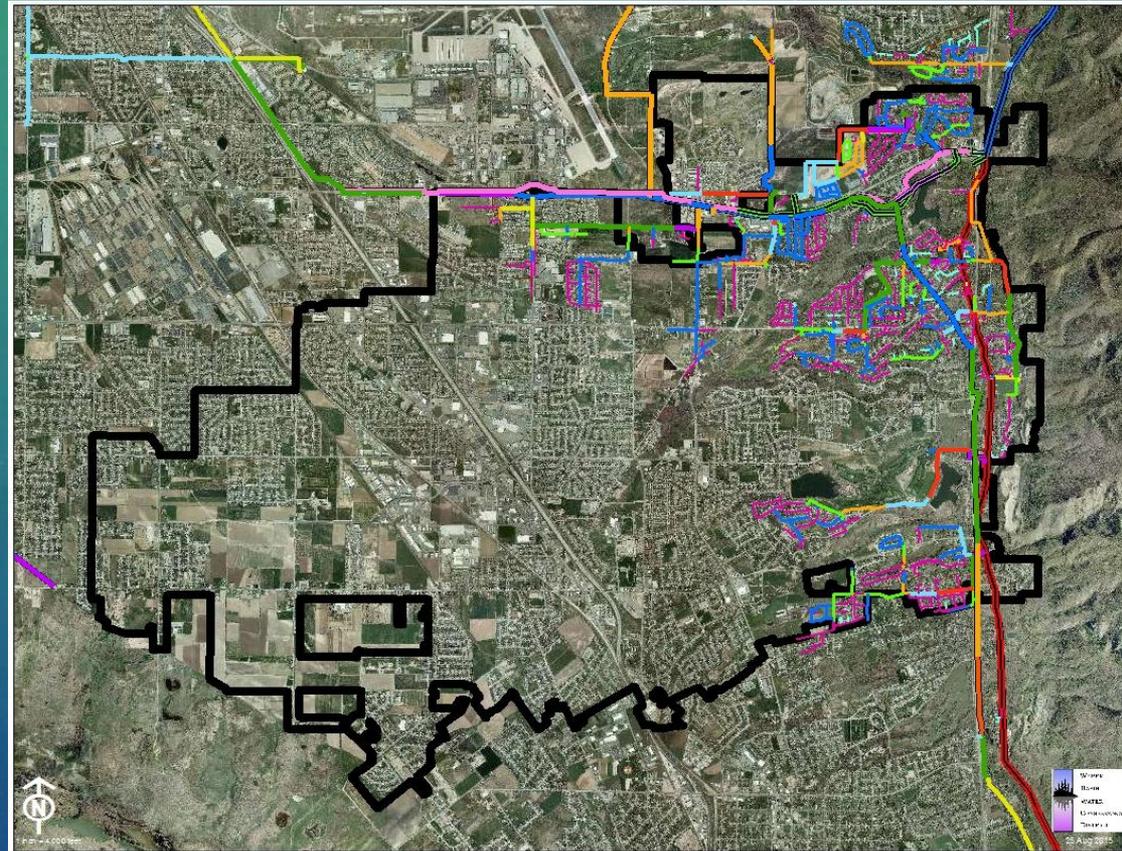
- Organized by the Bureau of Reclamation in the 1950's to operate and maintain the Weber Basin Project
- Provides culinary water, irrigation water, industrial water and replacement water for Davis, Weber, Morgan, Summit and parts of Box Elder Counties.
- Wholesales culinary water to over 30 municipalities and Districts in Davis and Weber counties.
- Have just under 17,000 secondary connections in Davis and Weber Counties.

# SERVICE AREA

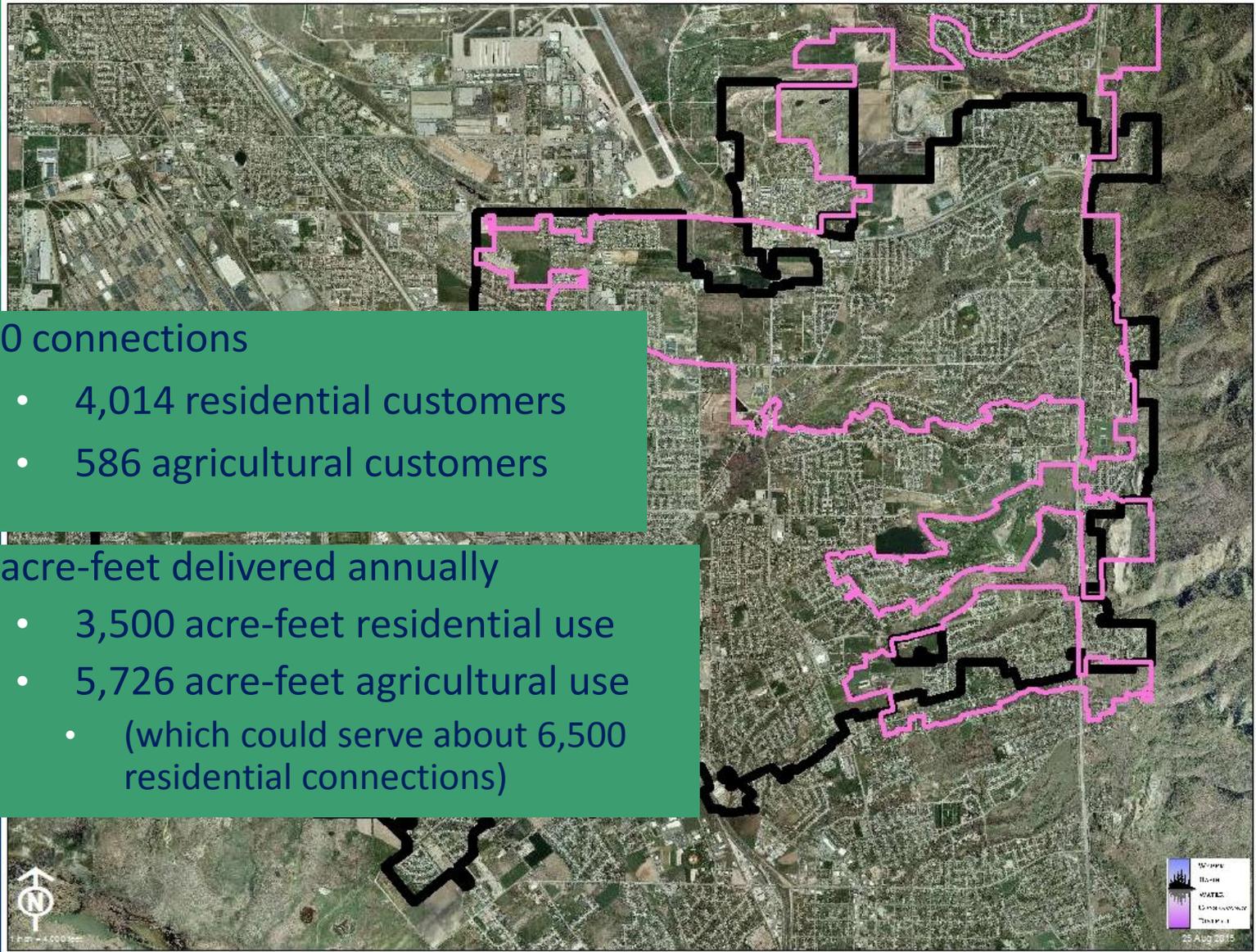


# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY

- WBWCD has historically been both a Retailer and Wholesaler of irrigation water in Layton City
- WBWCD does not expand the irrigation system; developers have provided the new infrastructure to tie into the system where water has been allocated
- WBWCD has taken on more of the wholesale function and has moved to minimize the retail of secondary water



# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY



± 4,600 connections

- 4,014 residential customers
- 586 agricultural customers

9,226 acre-feet delivered annually

- 3,500 acre-feet residential use
- 5,726 acre-feet agricultural use
- (which could serve about 6,500 residential connections)

# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY

- WBWCD has nearly 300 acre-feet of the current block of water remaining (District II water)
- Once this water is all allocated, the District will then start selling the next block of water (District III water)
- There is 9,000 acre-feet of water available in the next block of water, most of which is reserved for Municipal & Industrial water needs.
- It is projected that the next block of water will suffice for development over the next 10 years

# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY

- WBWCD has been requiring all new secondary connections to be metered.
- WBWCD is also retrofitting existing connections with meters. Have over 2500 to date.
- End user meters have proven to be effective in reducing individual water consumption by educating the user with monthly statements.



## WEBER BASIN WATER CONSERVANCY DISTRICT

2837 East Highway 193 • Layton, Utah 84040 • Phone (801) 771-1677 • (S.L.C.) 359-4494 • Fax (801) 544-0103

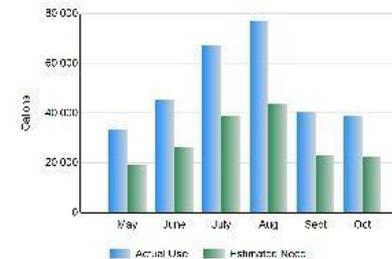
Statement Date: 12/12/2012

Account Number: 07-045-0004W

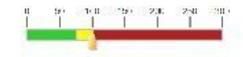
CHAMBERS ST  
SOUTH OGDEN, UT 84403

### SECONDARY WATER USE STATEMENT

Meter Number: 2010311869				Usage period: 9/13/2012 through 10/15/2012			
Previous Meter Read		Current Meter Read		Water Used This Month	Elapsed Days	Average Daily Use This Month	Year to Date Use
Date	Reading	Date	Reading				
09/13/12	264,178	10/15/12	303,139	38,961 gal.	32	1,218 gal.	302,591 gal.



Your Landscape Area	Your Water Need Based on Your Landscape Area	% of Use to Est. Need
		150



Your landscape area is derived from aerial imagery and encompasses your entire lot according to county records excluding your home and driveway footprint. Estimated need is calculated from 30yr average evapotranspiration values for each month.

If you would like to receive this report by email, contact us at [conservation@weberbasin.com](mailto:conservation@weberbasin.com) with your name and account number, or call 801-771-1677.

Come visit the Weber Basin Learning Garden fair on MM/DD/YYYY!  
Fun activities for all ages!  
Great vendors and booths!

Did you know a shower lasting 20 minutes uses on average 50 gallons of water and running your sprinklers for the same amount of time uses 320 gallons?

Questions about your Secondary Water Use Statement? Call us @ 801-771-1677

Visit us online at [WeberBasin.com/Conservation](http://WeberBasin.com/Conservation)



2837 E. Hwy 193, Layton Utah

# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY

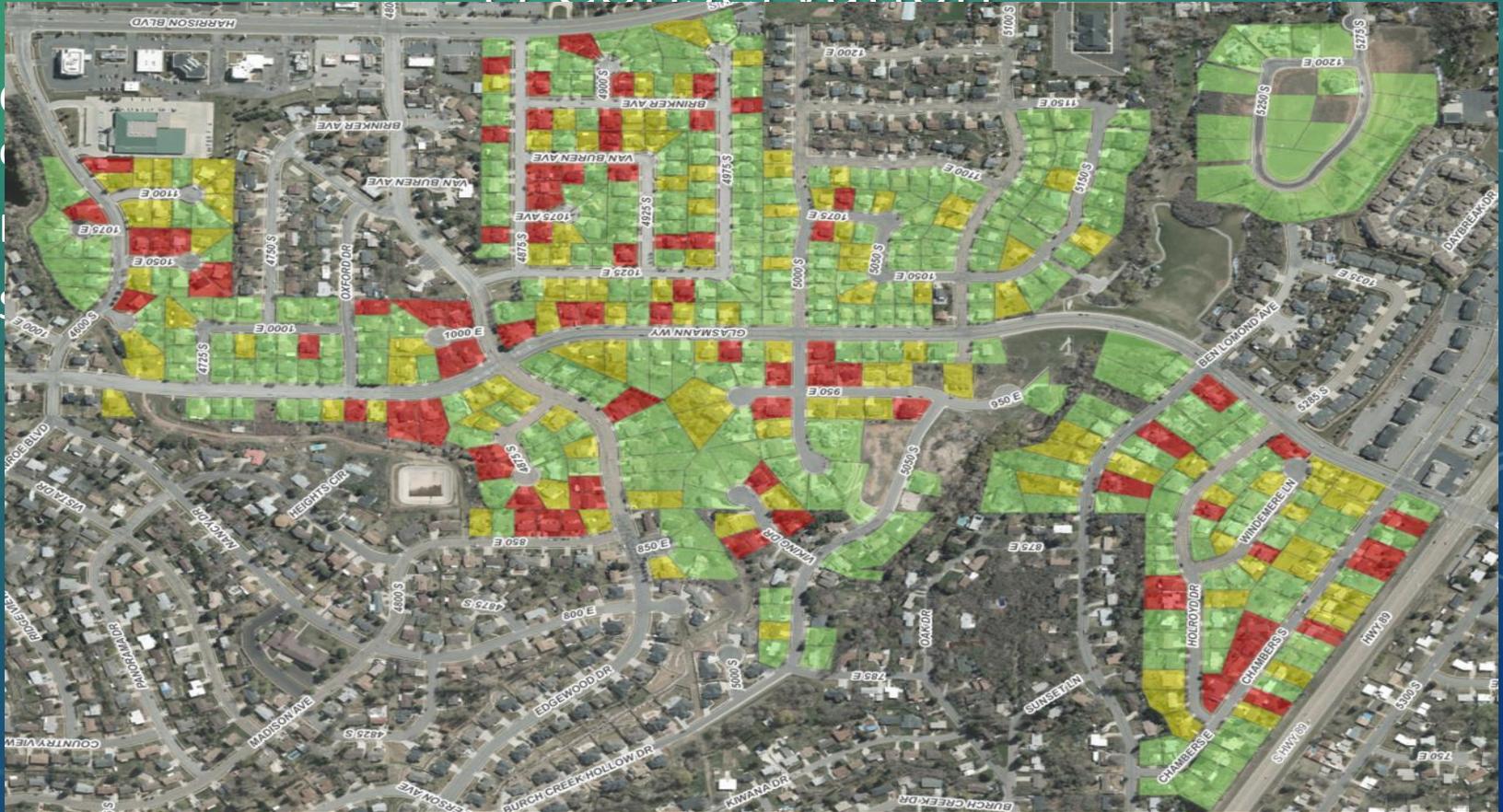
- WBWCD has tracked their first 1,057 metered connections over the last few years

	Allocation (acre-feet)	Estimate (acre-feet)	Use (acre-feet)	% of Allocation	% of Need	Number of Users Exceeding Allocation	Percent of Users Exceeding Allocation
2012	1,070	662	874	83	136.2	260	24.6
2013	1,070	662	675	64	105.1	104	9.8
2014	1,070	662	630	59.6	97.9	93	8.8

- Users generally use less than their allocation
- Users with meters reduced their water consumption
- The number of users who exceed their allocation declined; likely due to monthly water reports

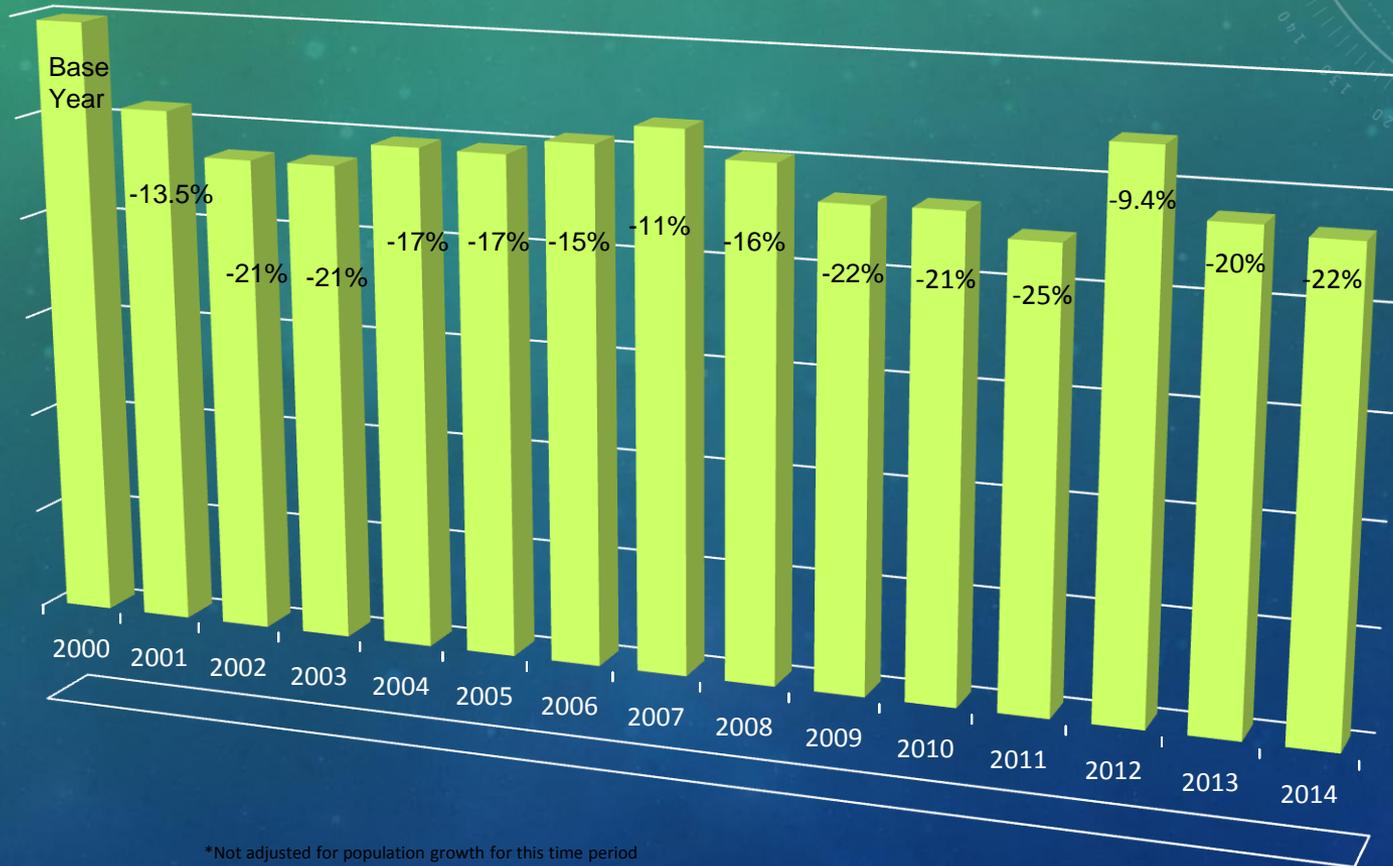
# MEETING FUTURE DEMANDS

## 1) Conservation



# EFFECTS OF CONSERVATION

## WBWCD M&I Water Use

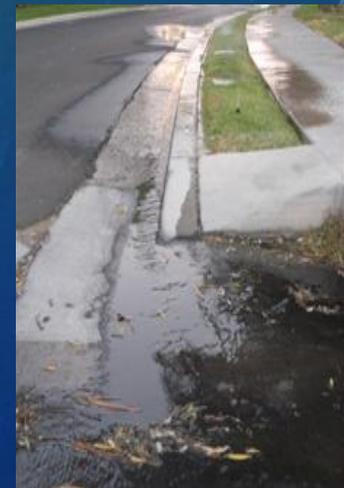


\*Not adjusted for population growth for this time period

- About 65% of residential water is used to irrigate landscapes
- Urban irrigation systems often are not well designed, maintained, or operated
- Conservation of water used on urban landscapes has the greatest potential to contribute to urban water demand management



opportunities to increase urban irrigation efficiency



# WBWCD Conservation Programs

## Learning Garden

- Group tours and Presentations
- Free Landscape Classes
- Garden Fairs

## Public Education

- Brochures and Print Material
- School Tours Treatment & Garden
- Conservation Website
- Partners in Slow the Flow
  - Photos, guides, schedules, links to other resources
- Time of Day Irr. Policy
- Policing and Door Hanger - Information
- Member Agency and City Involvement
  - Model Ordinances
  - City Newsletters
  - City Ordinances
- Adversiting: Billboards, Direct Mail, & Collateral Materials
- Free Irrigation Audits

## Secondary Metering

- Meter Study
- Accountability (End user Statements)

## Irrigation Product Rebates

- Irrigation Product Supplier Support and Partnerships
- Irrigation Contractor Training

## PRESENTATIONS



- Presentations on conservation are delivered to thousands of people each year. Mostly related to landscaping, the Learning Garden and plants. Presentations are done by many different staff to many types of groups in many venues.
- WBWCD has partnered with the Davis School District to provide buses for tours of the water treatment facilities and the Demonstration Garden. Over 4,000 students each year.

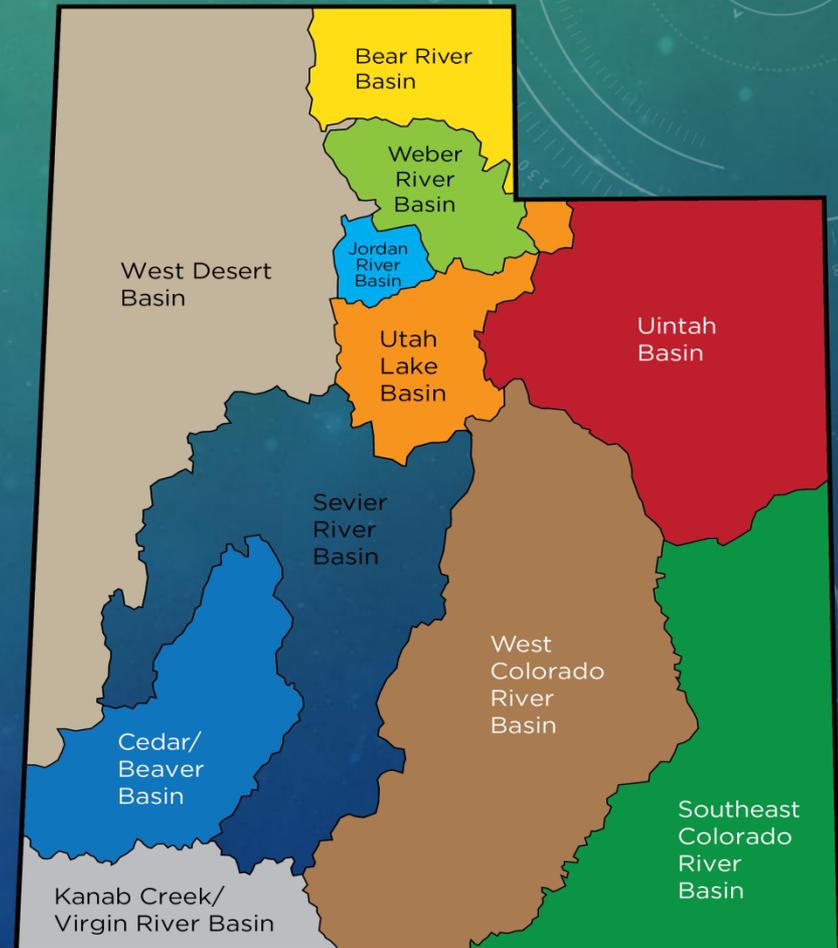
# WATER CHECK PROGRAM

- Purpose : to educate homeowners how to properly schedule their irrigation and understand plant water needs.
- Over **400** water checks completed in Weber Basin's service area each year.
- It is anticipated that the demand for this service will increase.



# PREPARE60 CREATED A STATEWIDE WATER INFRASTRUCTURE PLAN

- For statewide municipal and industrial (M&I) water
- Methodology
- New pattern in each river basin
  - Development of local, regional and statewide sources
  - Includes 25% conservation

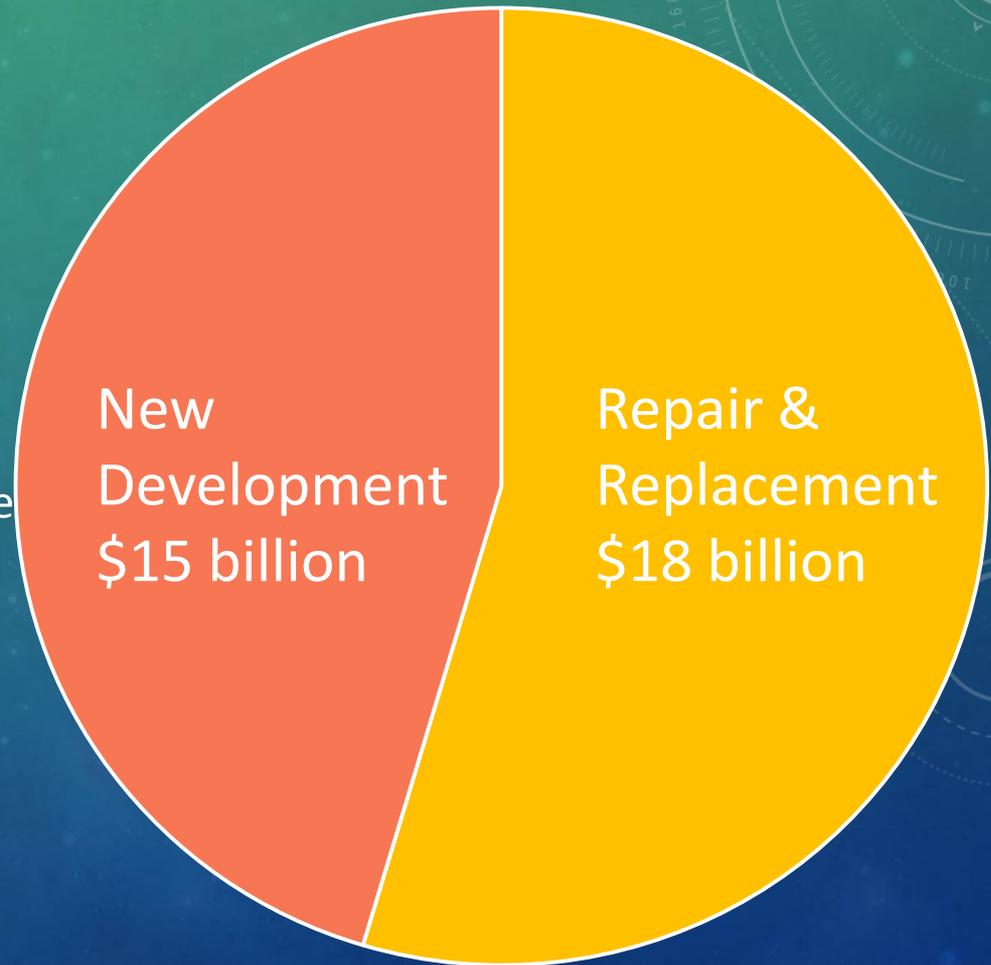


**UTAH RIVER BASINS**

# ESTIMATED COSTS FOR STATEWIDE WATER INFRASTRUCTURE PLAN

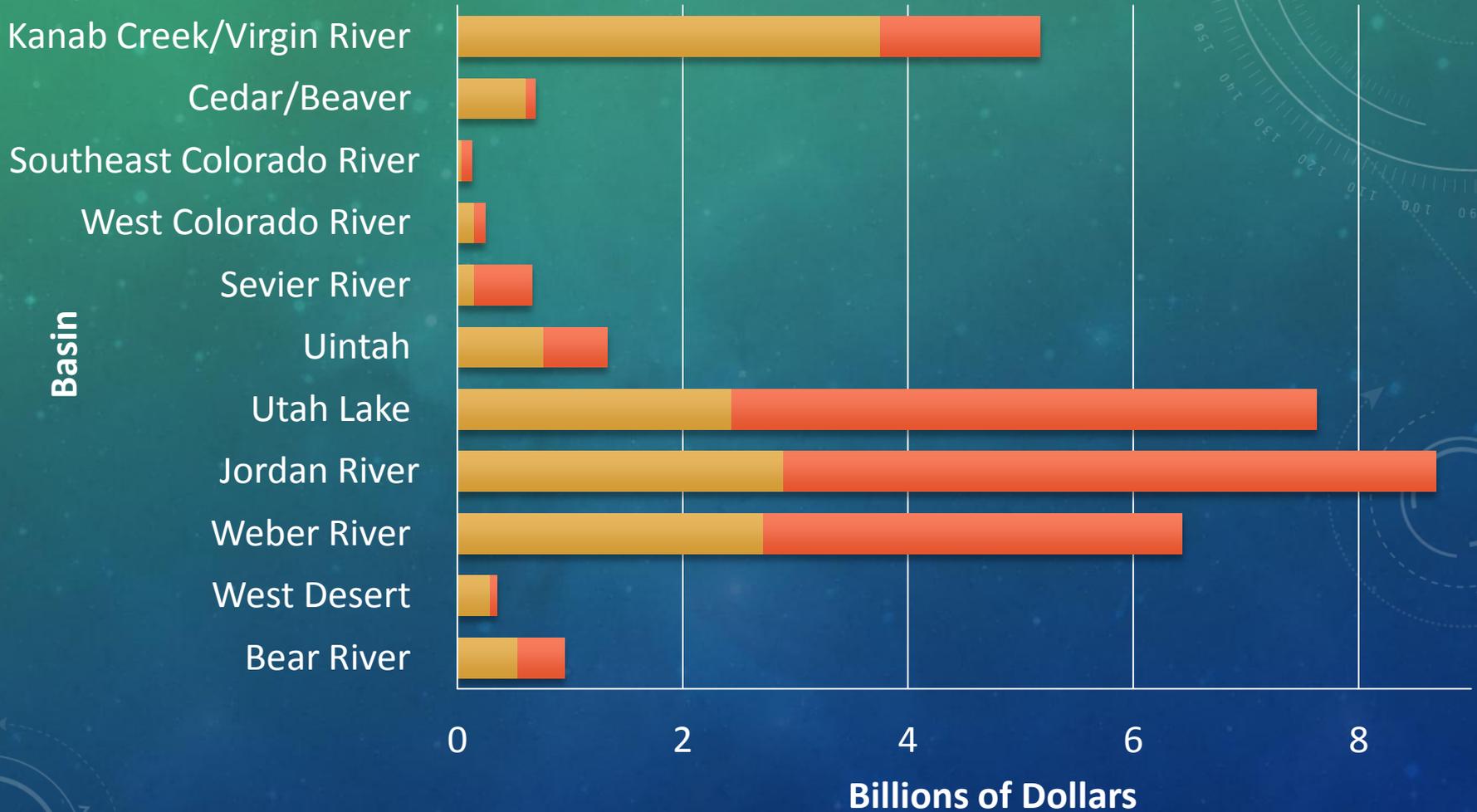
## Cost estimates

- \$33 billion total statewide



# COST OF INFRASTRUCTURE

through 2060



■ Supply & Infrastructure \$14.8 Billion

■ Repair & Replacement \$17.9 Billion

# WEBER BASIN WATER CONSERVANCY DISTRICT IN LAYTON CITY

Questions?