Water Conservation Update

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HISTORY & MISSION



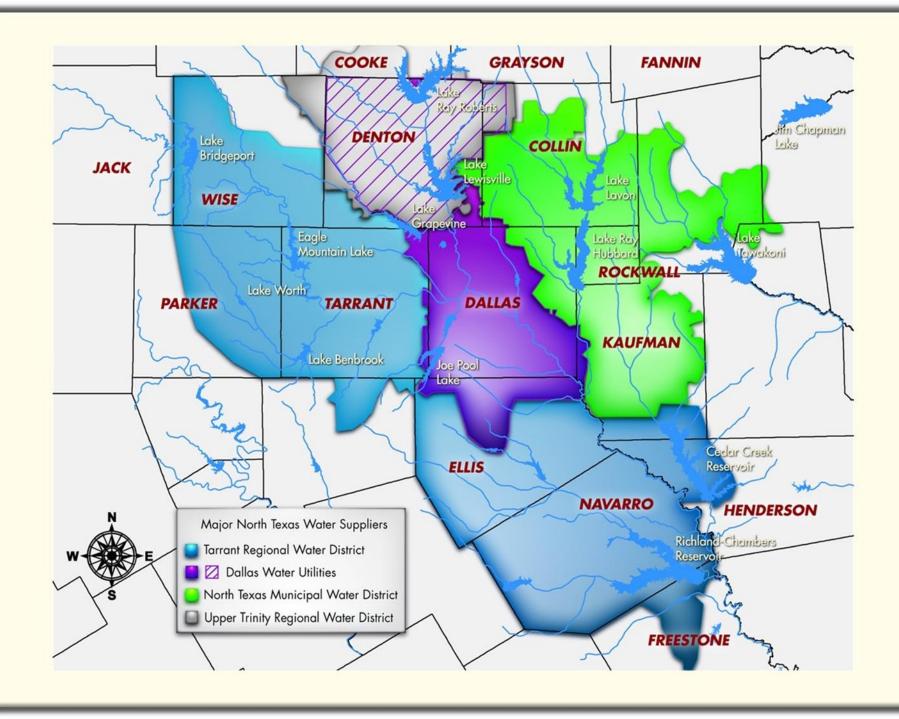
- Created in 1924 as a political subdivision of the State of Texas
- Two primary missions: Water supply and flood control
- District provides only raw, untreated surface water to its customers
- Led by publicly elected fivemember board

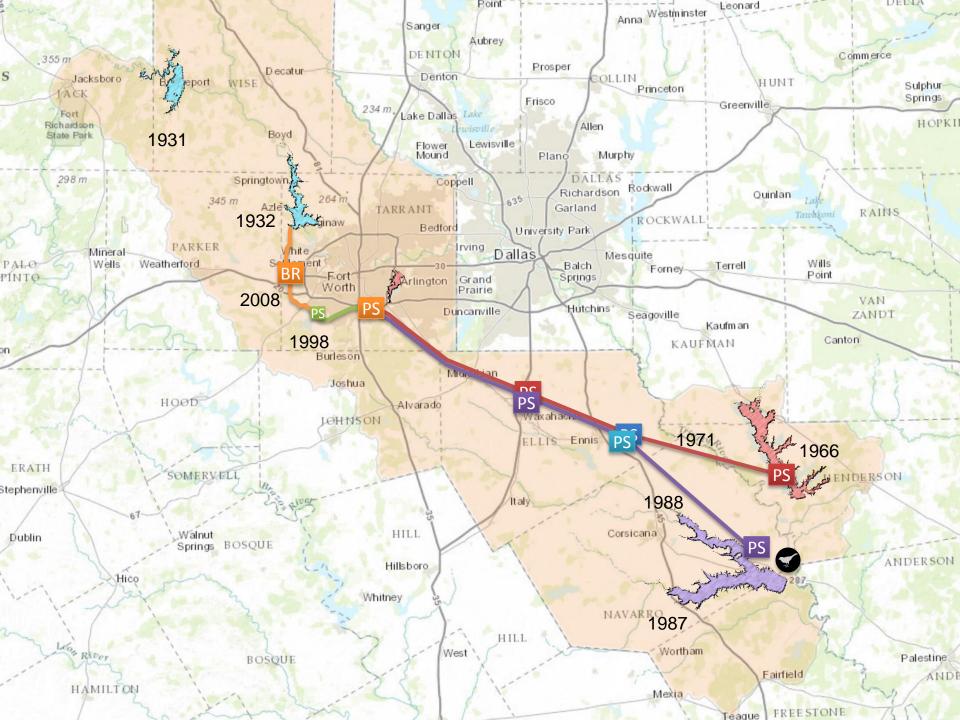
HISTORY & MISSION



- Four primary customers:
 - Arlington
 - Fort Worth
 - Mansfield
 - Trinity River Authority
 (Bedford, Colleyville, Euless,
 Grapevine, North Richland Hills)
- Water provider to more than 70 cities in 11 counties:

Denton, Ellis, Freestone, Henderson, Jack, Johnson, Kaufman, Navarro, Parker, Tarrant, and Wise







TRWD WETLANDS



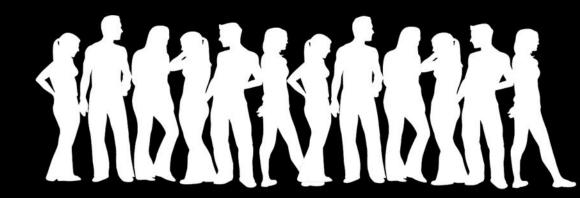
TRWD POPULATION EXPECTED TO DOUBLE IN THE NEXT 50 YEARS

Current Population

2060 Population



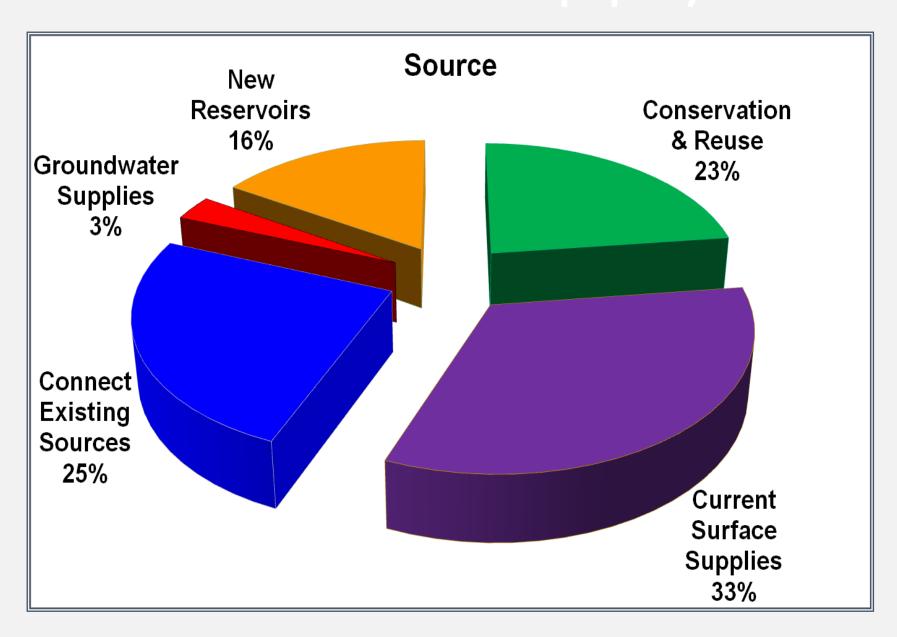


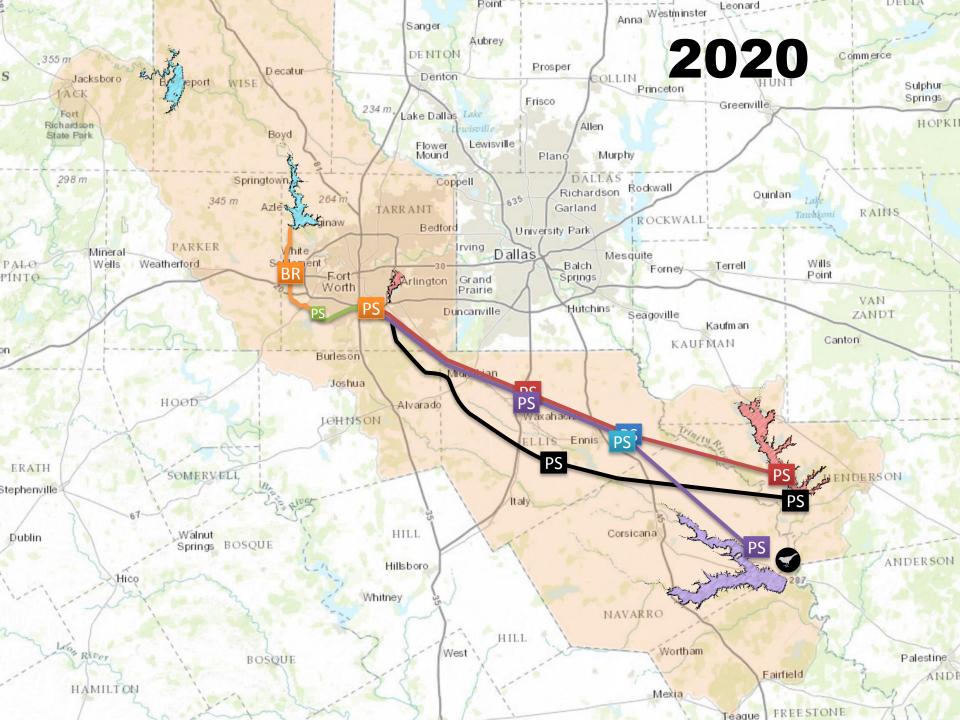


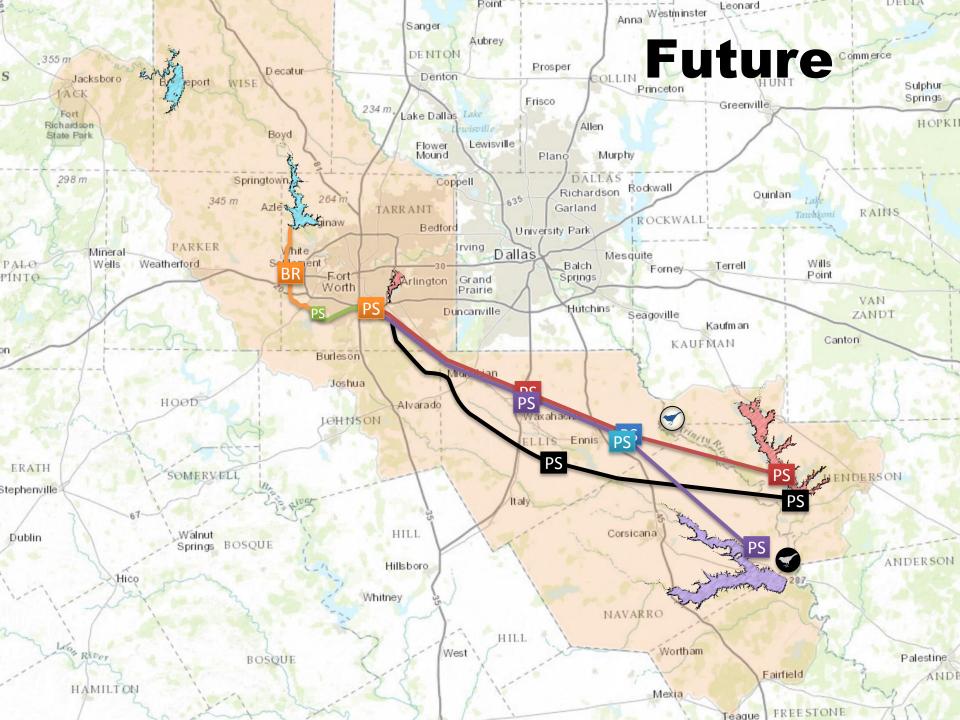
4.3 Million

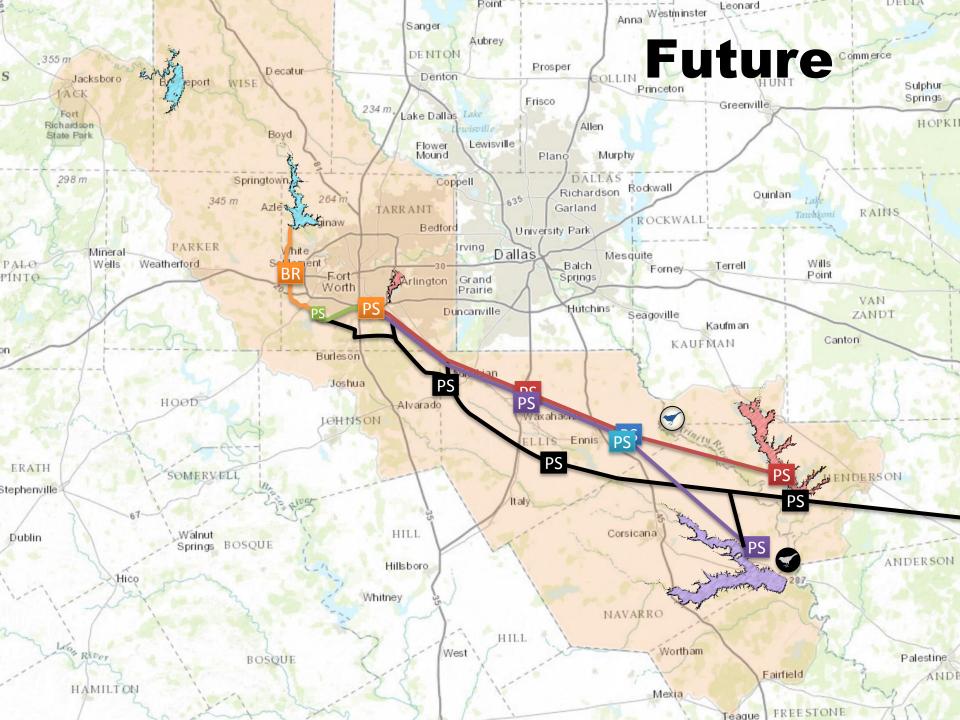


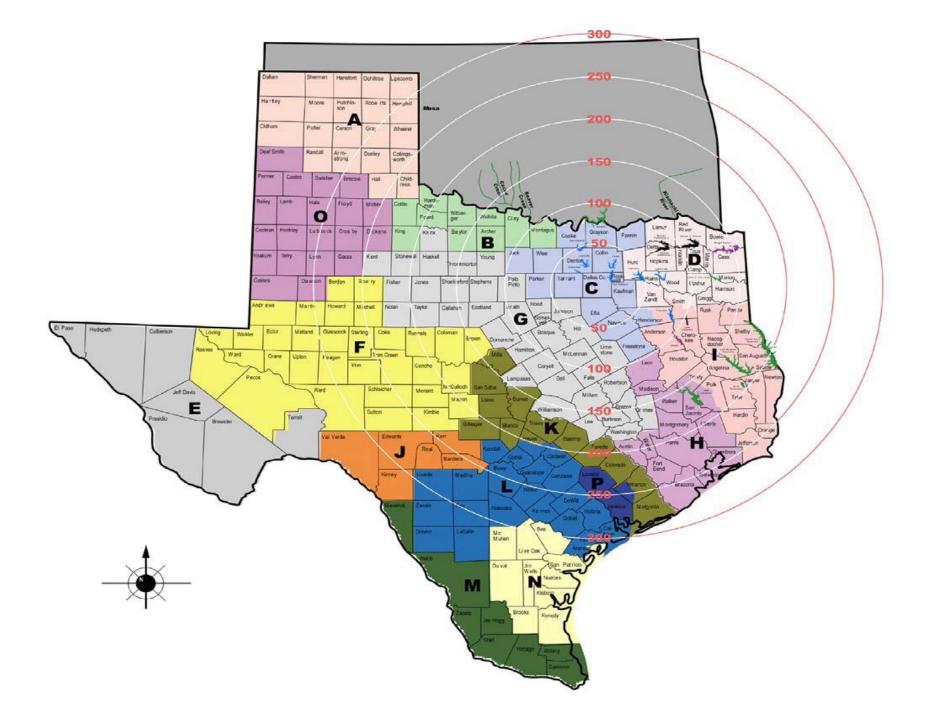
2060 Water Supply

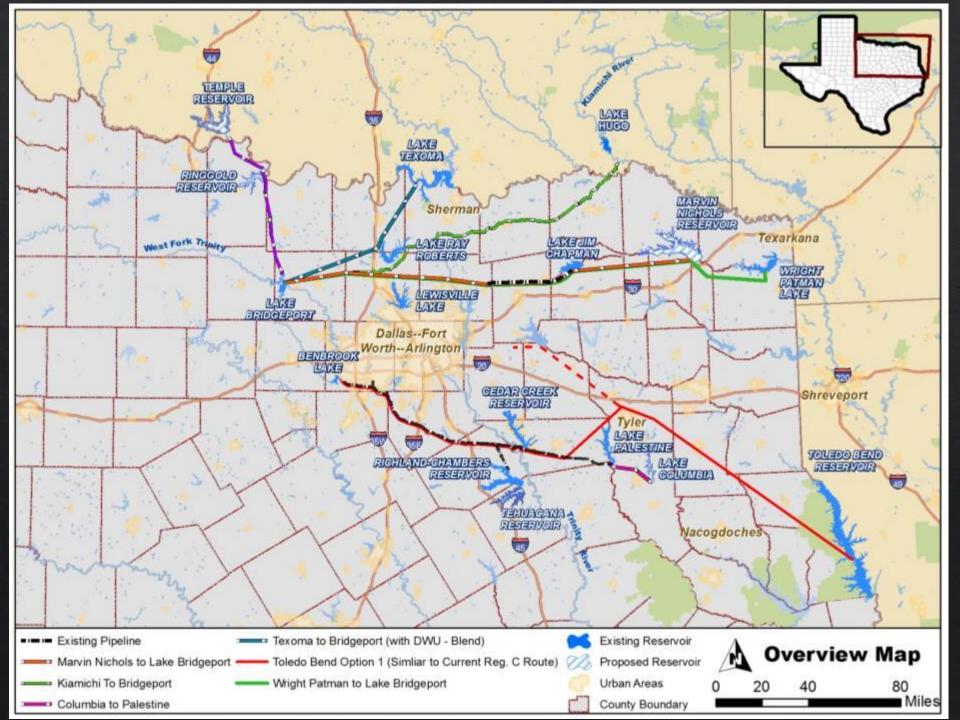








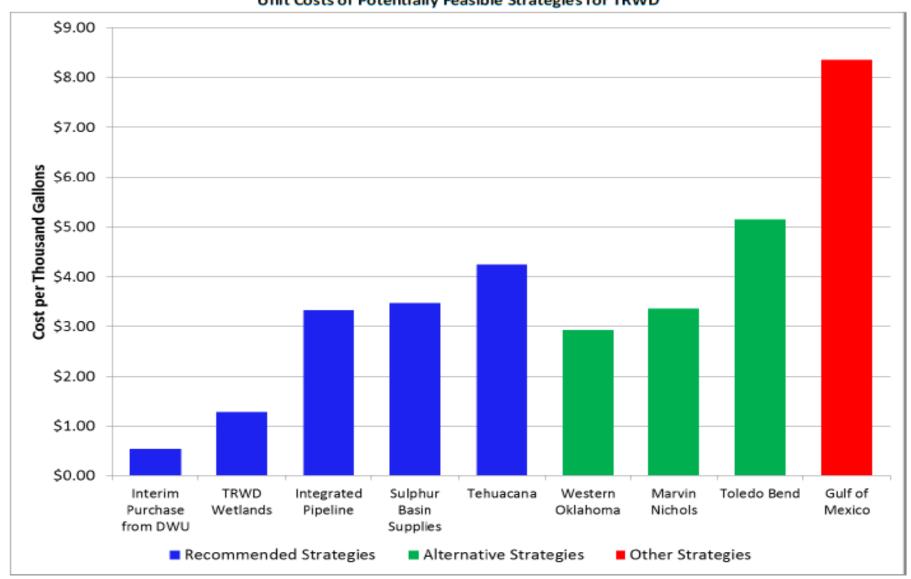




Cost of Future Supply Alternatives

Save water. Nothing can replace it.





THE ISSUE:

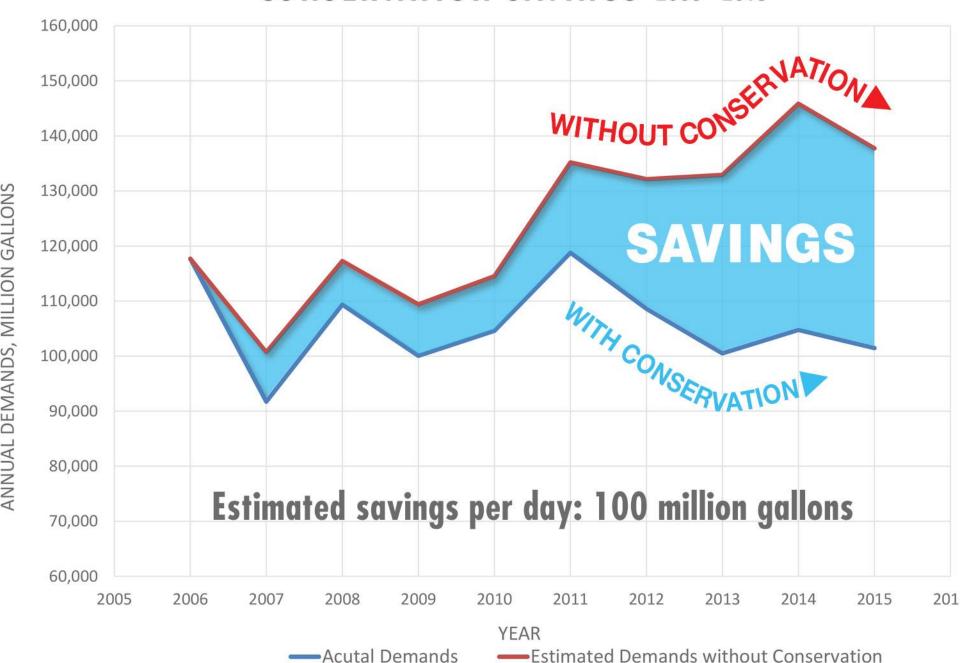
CONSERVATION AS A WATER SUPPLY STRATEGY

extends the life of existing supplies meets the needs of growing population delays need for expensive new supplies makes more water available during drought reduces peak demands least expensive water supply strategy

Water Conservation Plan

- Water Conservation Plan
 - Required to be updated every 5 years
- Purpose
 - Identify water conservation goals and practices that will protect long-term water supplies
- Plan Requirements
 - Provide accurate and universal metering
 - Control water loss
 - Public education and information program
 - Adopt a conservation oriented water rate structure

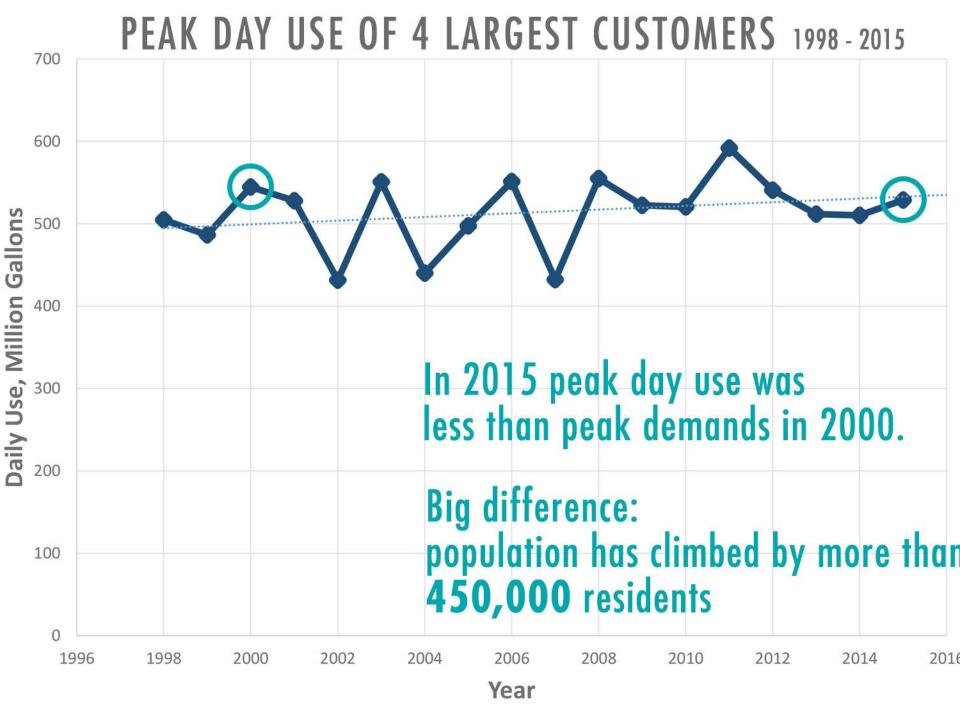
CONSERVATION SAVINGS 2006 - 2015



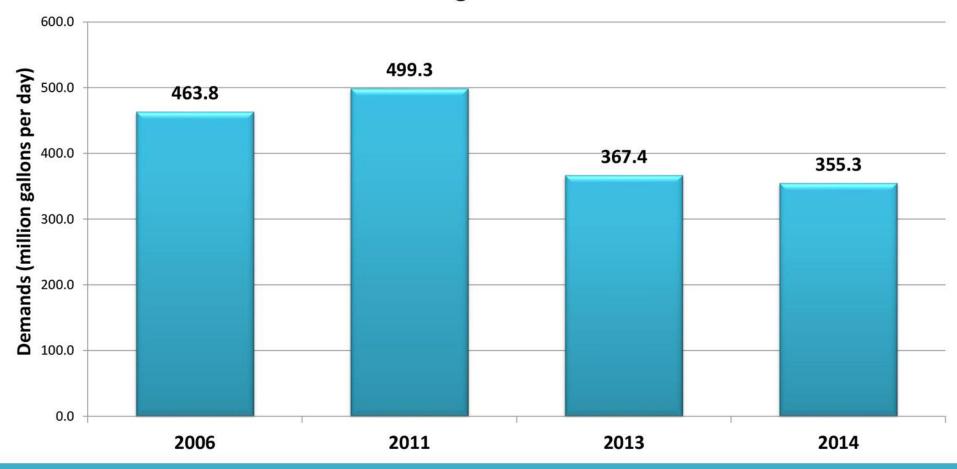
MILLION GALLONS PER DAY COULD SUPPORT...

550,000 additional residents





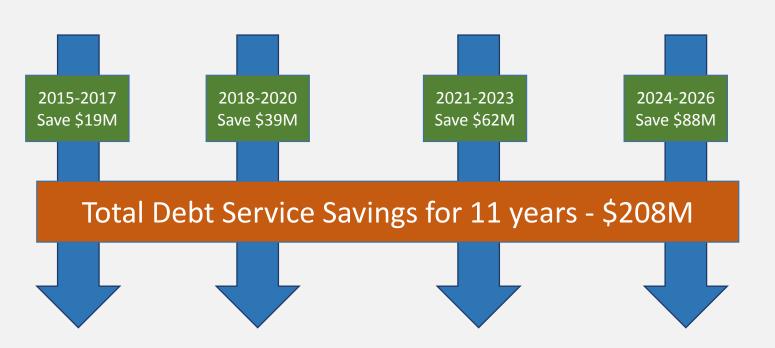
Average Summer Demands, June - Aug. Drought Years

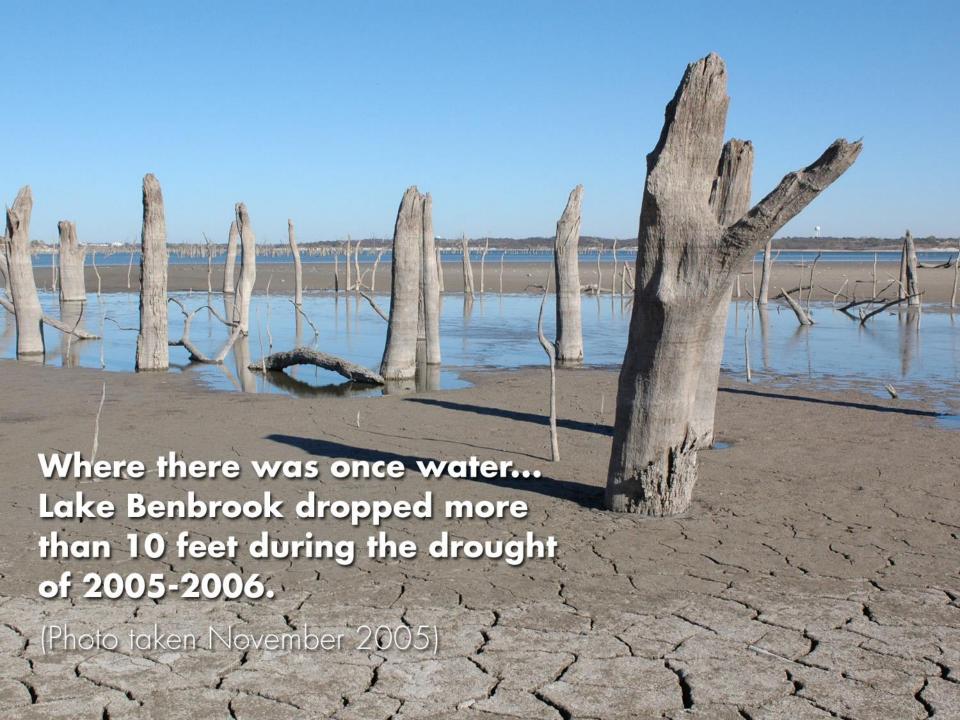


- Twice per week restrictions are effective
- Accounts for an 8-10 percent decrease in overall demands.
- Daily demands lower despite increase in population of 130,000 residents since 2006.

Reduced Demands Delay Costly Capital Expansion

Debt Service Saved by delaying sections of the IPL to match Projected Demands

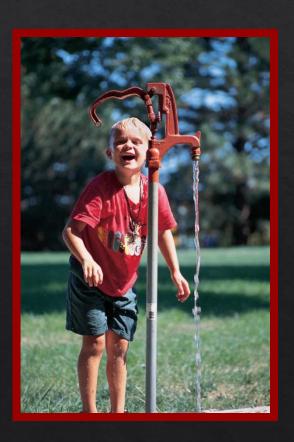




Communicating the Value of Water

Only Tap Water Delivers

- Public Health Protection
- Fire Protection
- Support for the Economy
- Quality of Life











Water is Awesome

@waterisawesome

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Water is Awesome

August 19 at 7:23am - 🚱

Even before they can talk, they know: Water is awesome. Check out WaterIsAwesome.com to learn more about ways to save the awesomeness.



Like

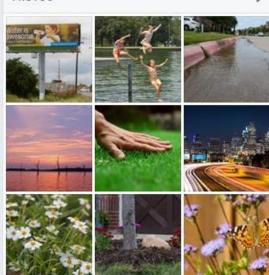
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- Water is awesome. Don't waste it.
- http://WaterlsAwesome.com/

PHOTOS

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VISITOR POSTS

- 3







Water is both abundant and rare.

We are surrounded by it, as it makes up 70 percent of our planet. Yet

less than 1 percent of that water — all the water from our lakes,

streams, and rivers - is fresh. And without it, we would cease to exist.

WATER IS AWESOME.

Use it. Enjoy it. Just don't waste it.













Improve your gardening game.
Check out 7 gardening mistakes

www.WaterisAwesome.com



Average total run times for applying 0.25" of water based on sprinkler type, along with suggestions for breaking up your irrigation cycles to minimize runoff:

Spray head zones: 12 minutes total per station (two 6-minute cycles)

Rotor zones: 24 minutes total per station (two 12-minute cycles)

Multi-stream zones: 26 minutes total per station





- Population: ~370,115 ~428,000 Buildout
- Land Area: 99.5 square miles
- Visitors to Arlington: 14 million in 2015
- Number of Water Treatment Plants: 2
 - Total treatment system capacity: 174.11 MGD
- Miles of Distribution Pipe: 1,531
- Annual Gallons Billed Consumption: ~18.5 billion

Paying for Service

Water

Usage (1,000 gallons)	Rate
0-2	\$2.02
3 – 10	\$2.79
11 – 15	\$4.02
16 – 29	\$4.79
≥ 30	\$5.94

Sewer

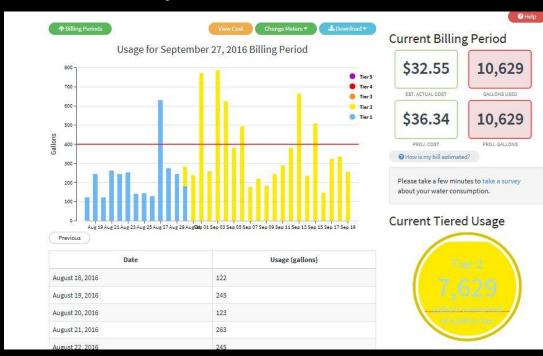
Usage (1,000 gallons)	Rate
All Usage	\$4.18

Fixed Fees

Usage (1,000 gallons)	Rate
3/4" Meter (>2,000 gal)	\$9.00 water & \$9.90 sewer

Arlington Water Utilities New Technology & Programs

- Investments in Automated Metering Infrastructure
- Pro-Active Leak Detection
- Valve Operations





Arlington Water Utilities Conservation Initiatives

- Sprinklers prohibited between 10 am & 6 pm year round
- Promotion of water efficient fixtures
- Education outreach with WaterWise program at AISD
 - In 2015-16, Arlington and TRWD program reached 737 fifthgraders
- Water efficient landscape classes with Tarrant County Master Gardeners



Arlington Water Utilities Online Presence

- www.SaveArlingtonWater.com
- www.arlingtontx.gov/water
- www.facebook.com/arlingtonwater
- https://twitter.com/ArlingtonWater
- www.myarlingtontx.com
- Ask Arlington App
 - Easily connect any concerns to the city and track progress
 - Ex. water leaks



Contact Information

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