

# WATER FOR TEXAS

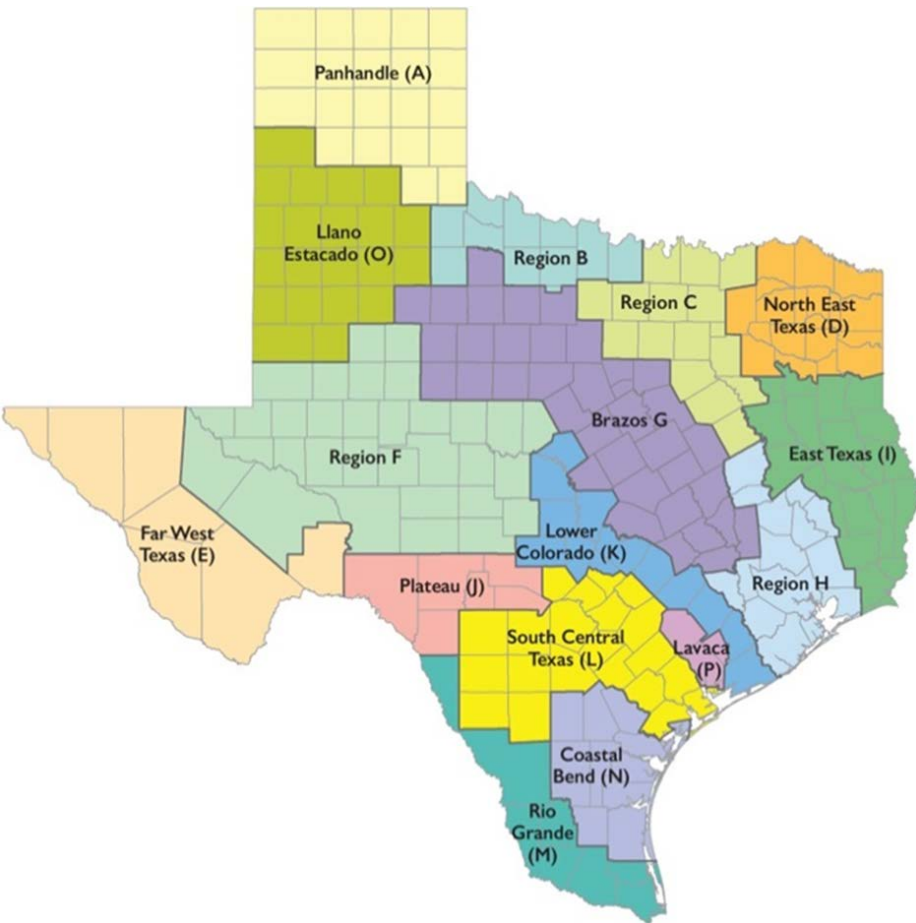
## 2017 State Water Plan



Kathleen Jackson, Director

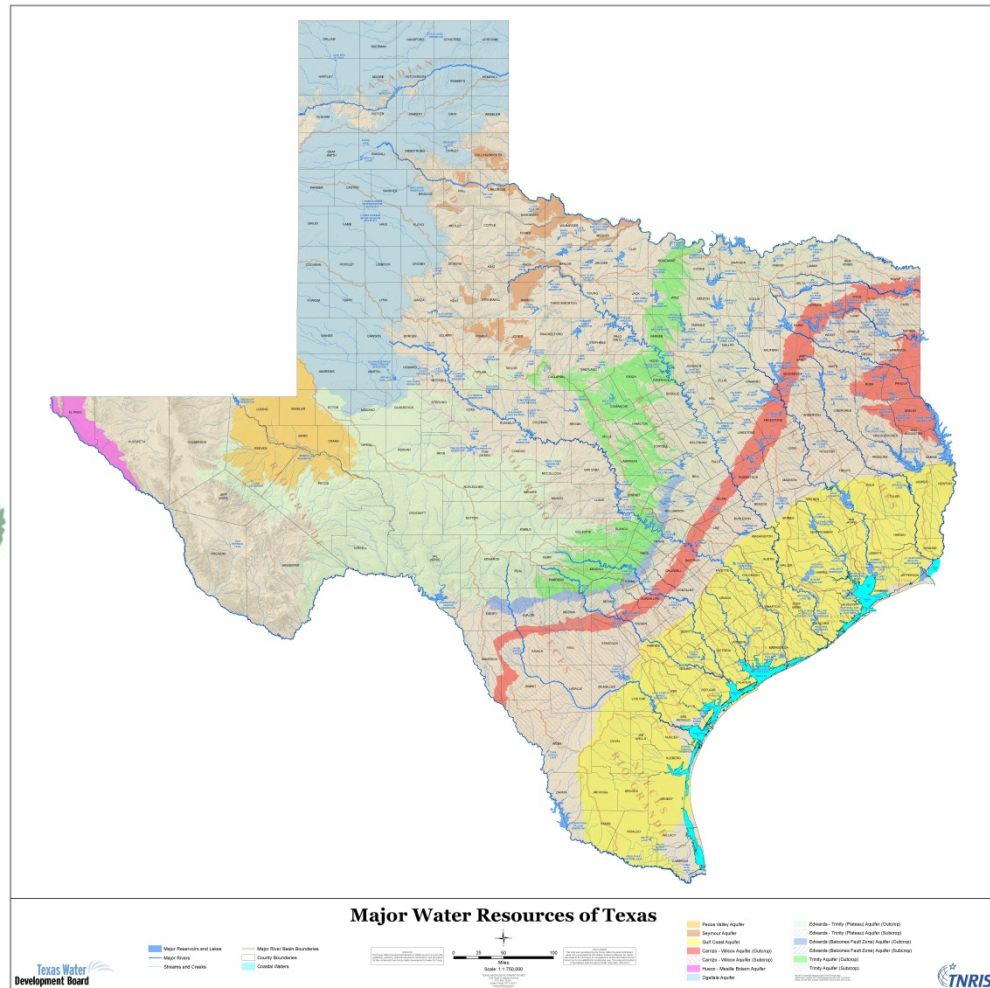


254 counties



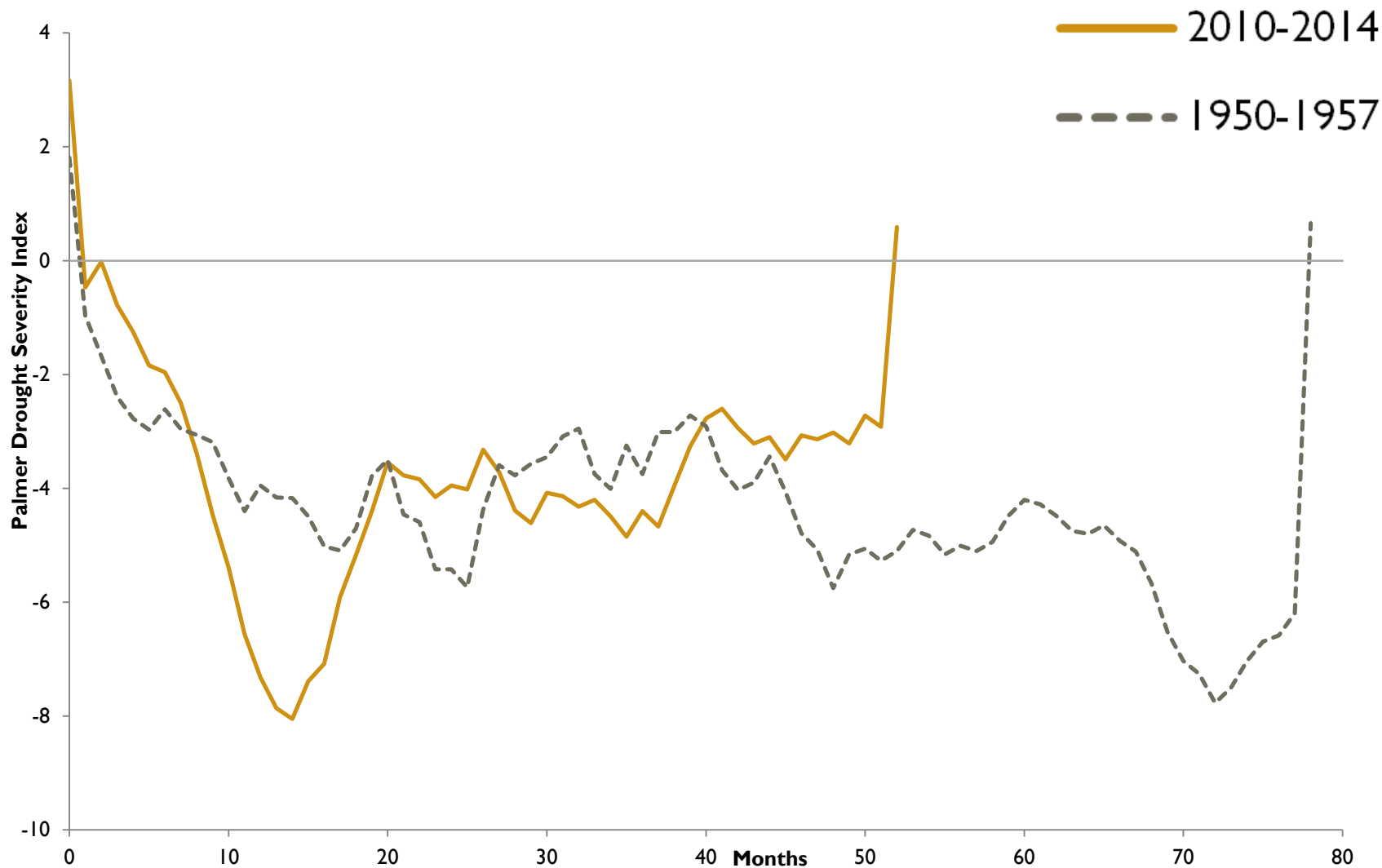
16 water planning areas

23 river basins

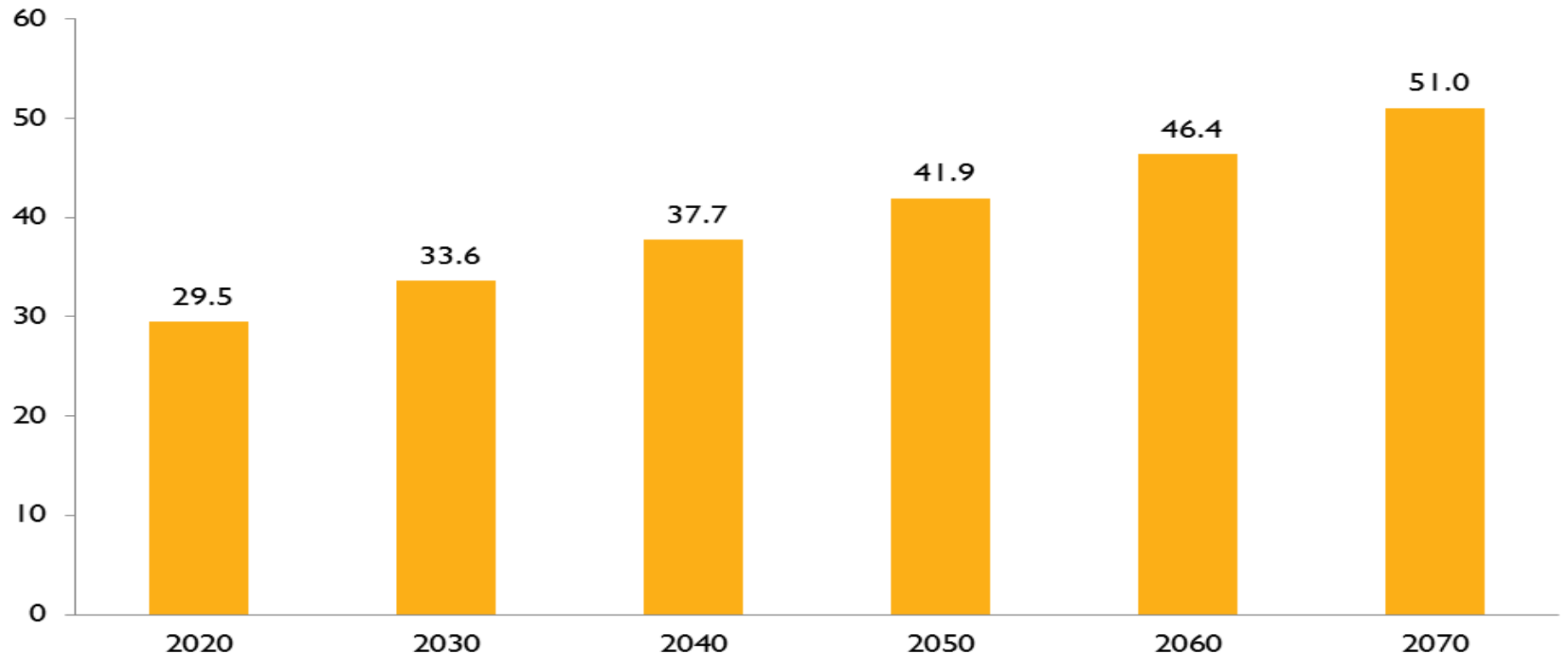


30 aquifers

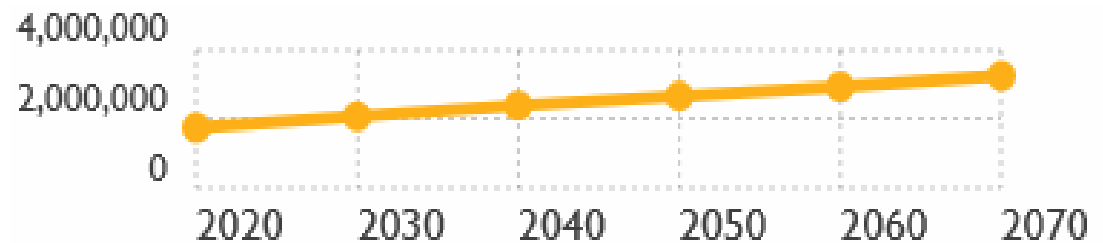
# WORST STATEWIDE TEXAS DROUGHTS



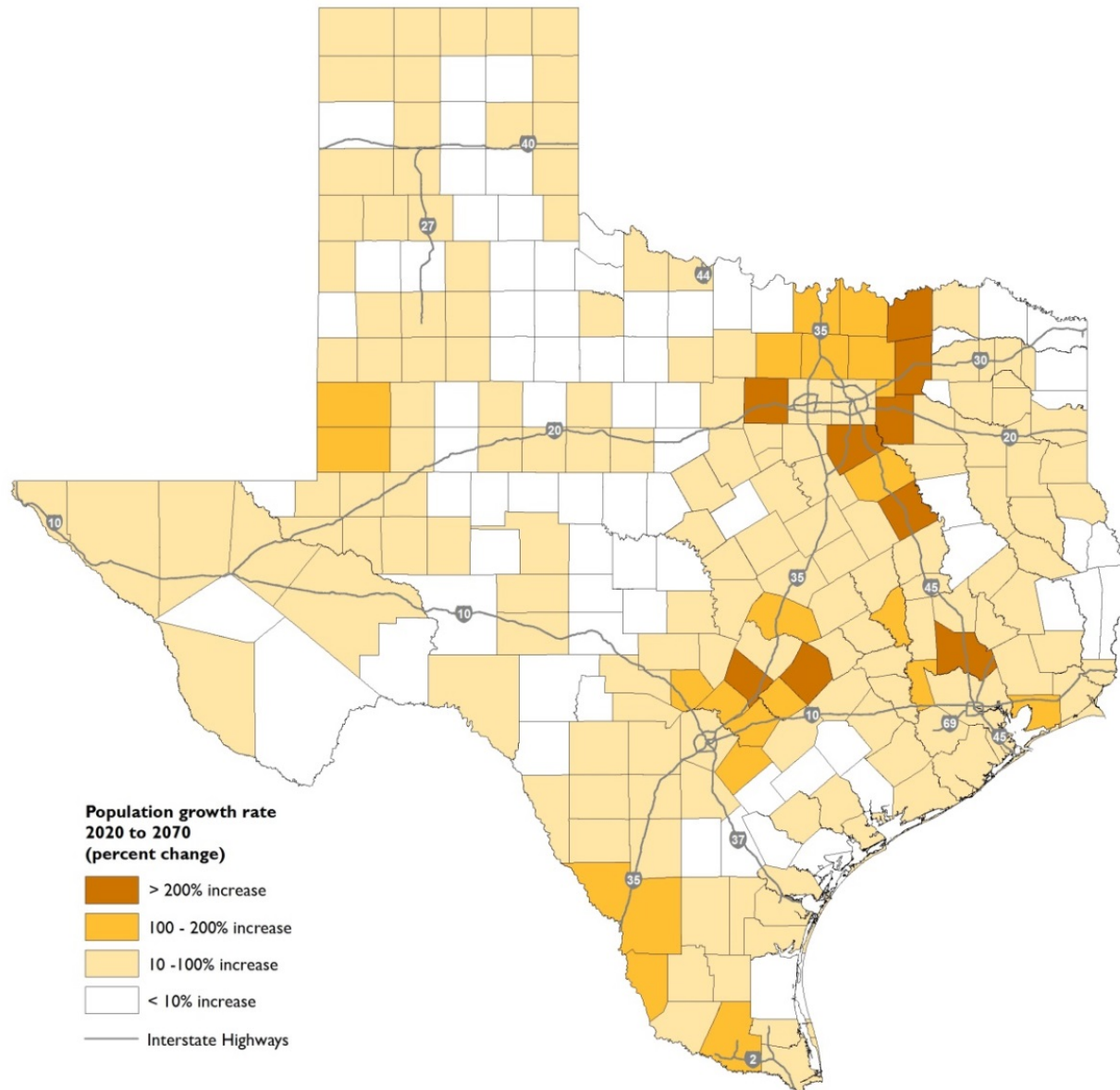
# PROJECTED TEXAS POPULATION GROWTH



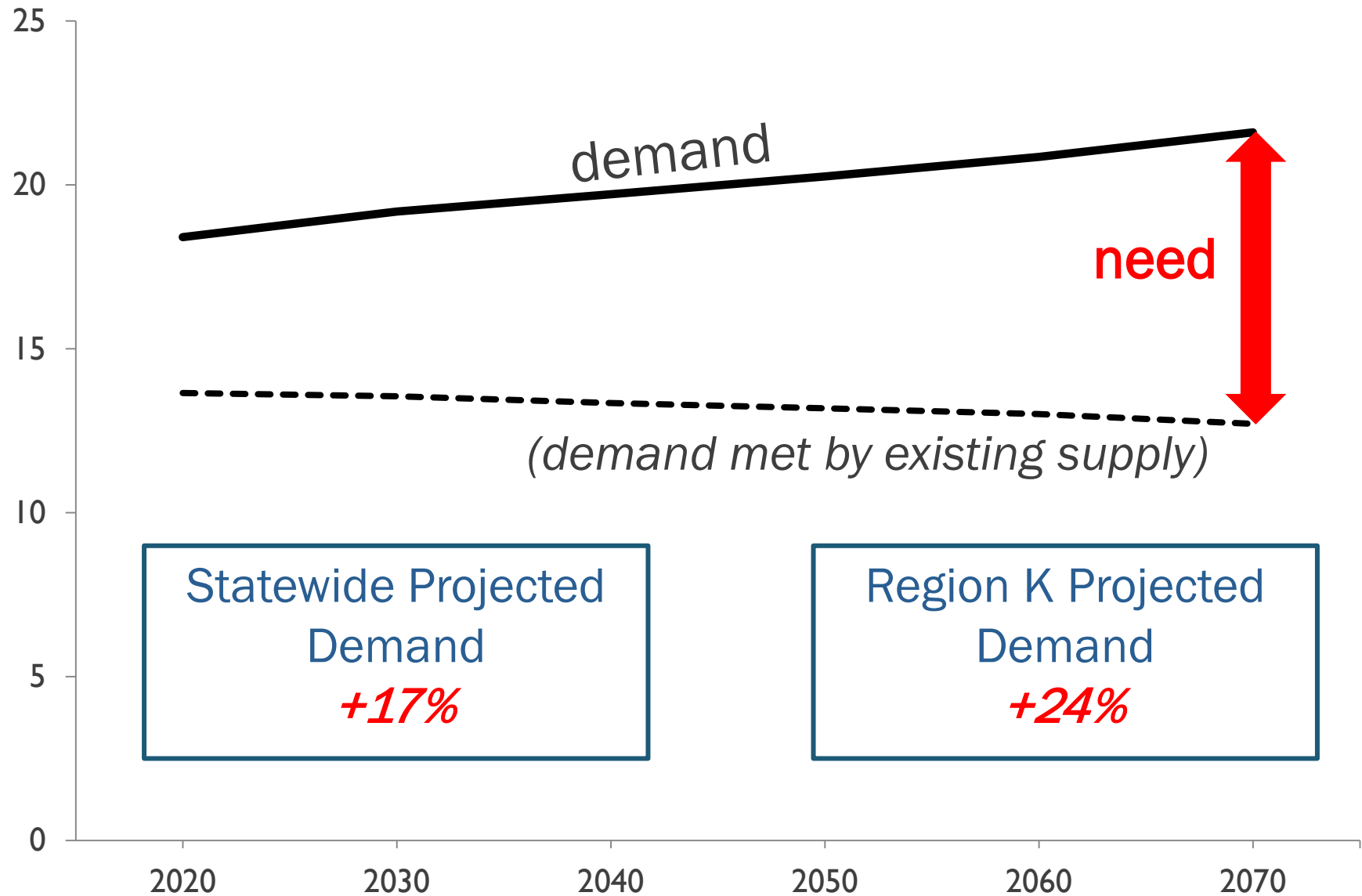
**Region K: +87%**



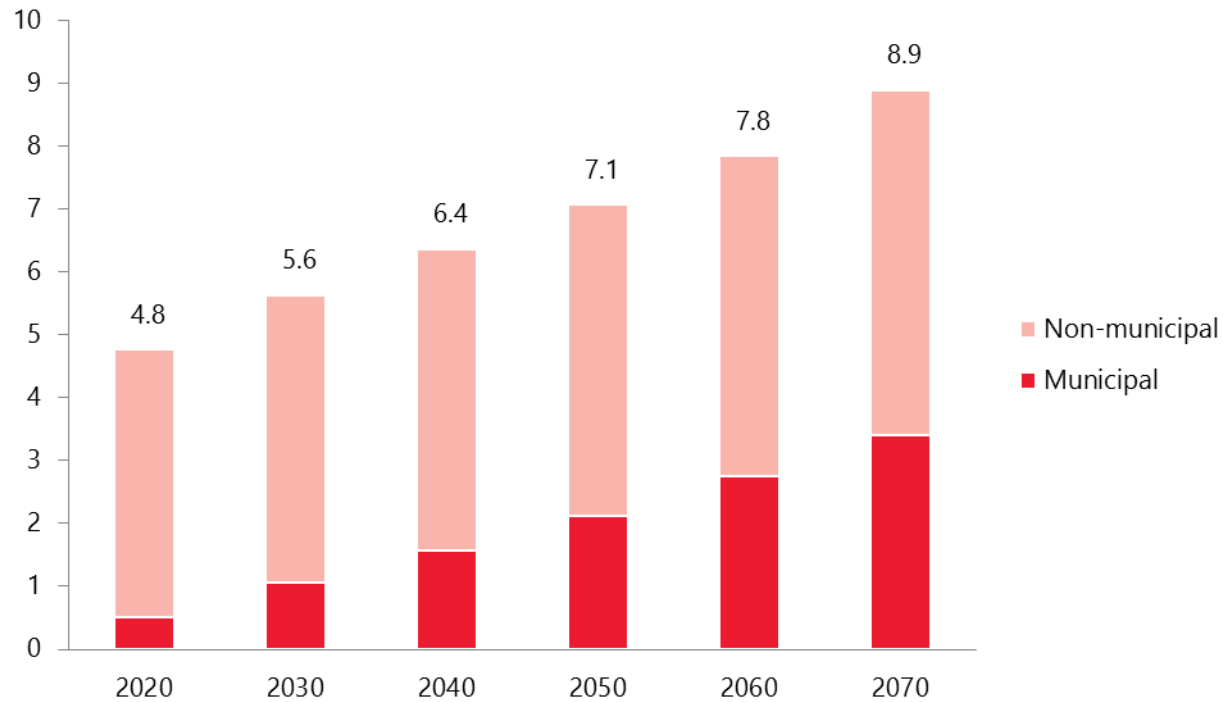
# PROJECTED GROWTH RATE IN TEXAS COUNTIES



# PROJECTED WATER NEED



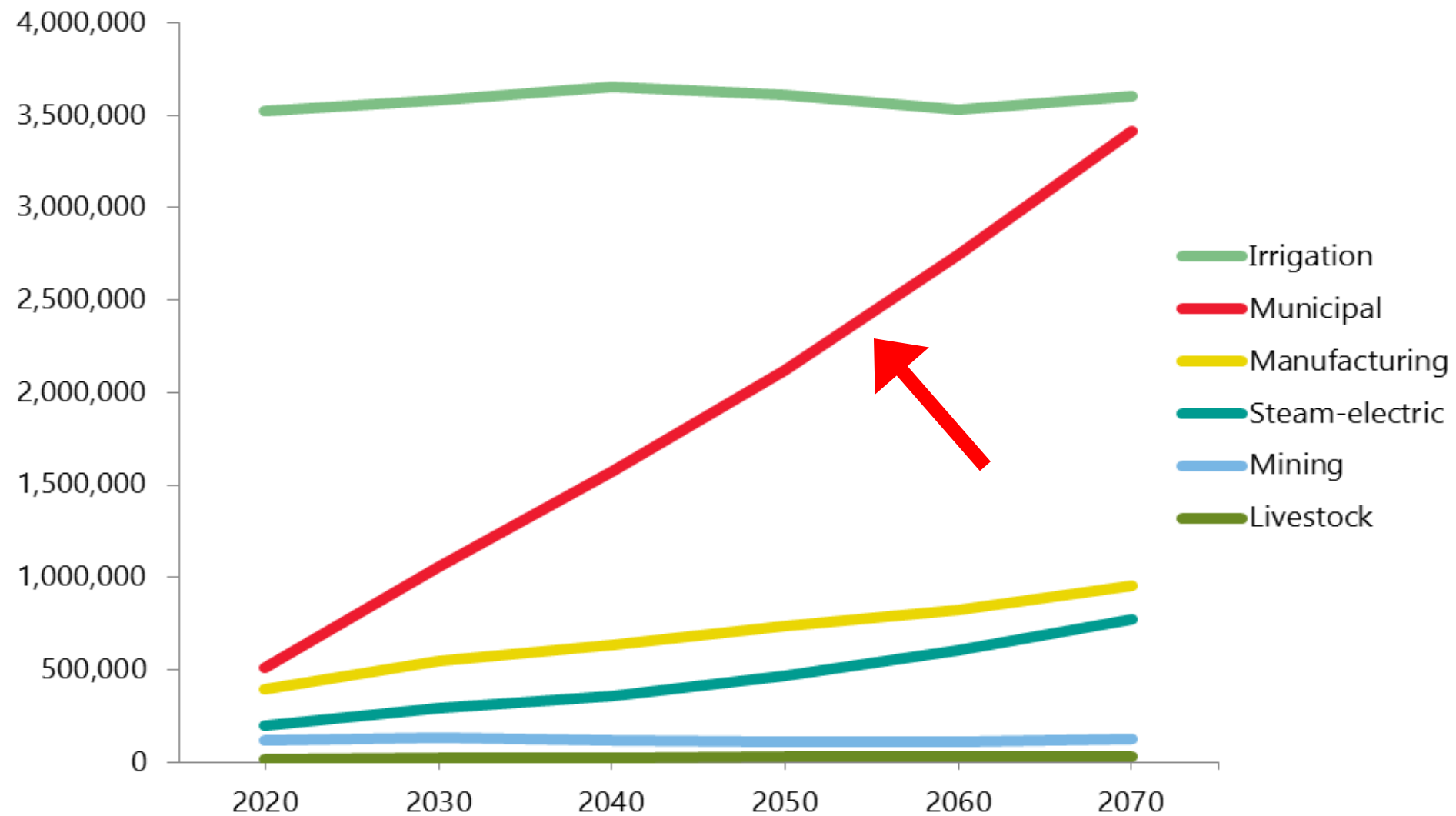
# PROJECTED ANNUAL WATER NEEDS IN TEXAS





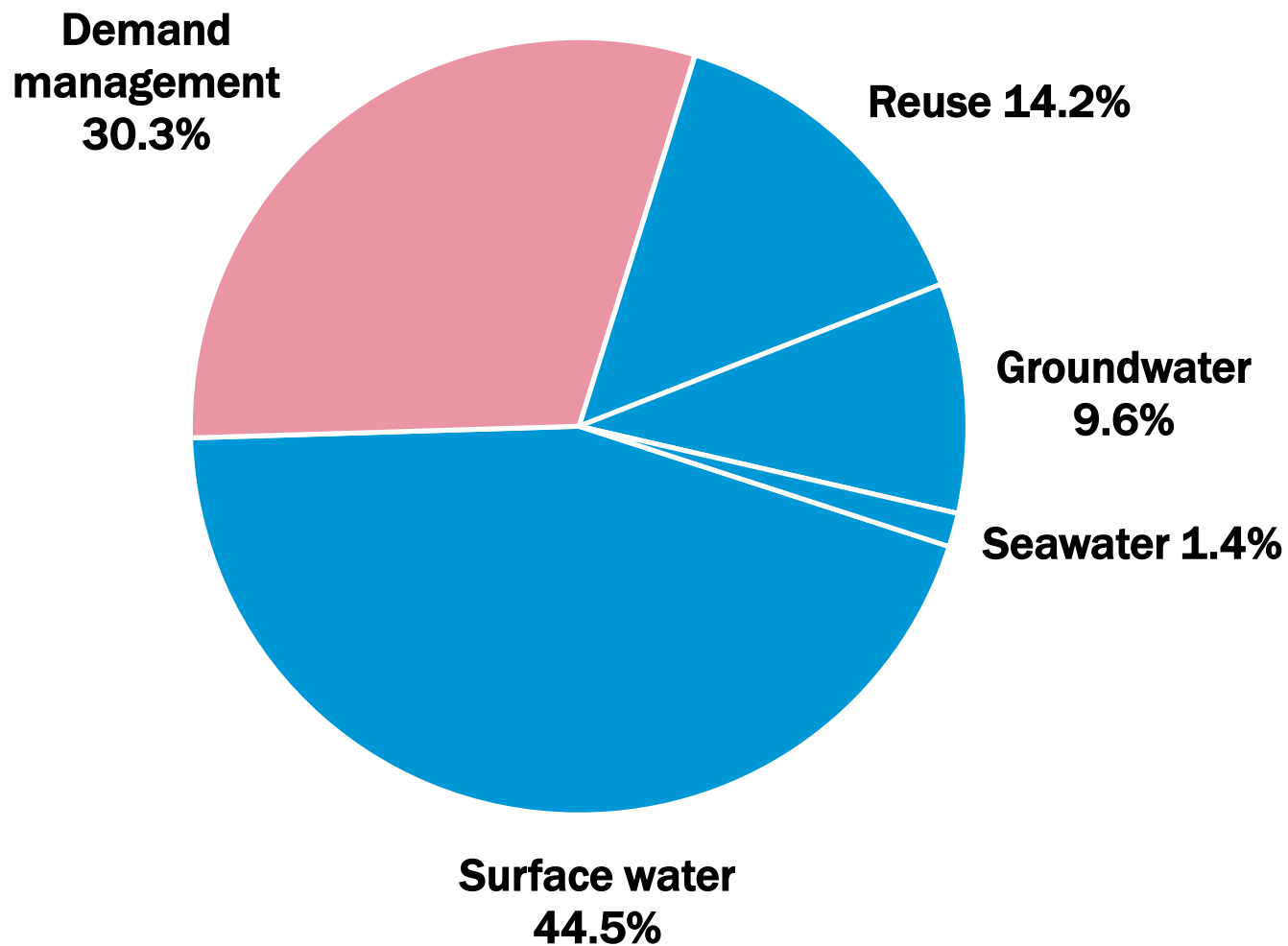


# ***STATE-WIDE*** WATER NEEDS BY WATER USE CATEGORY

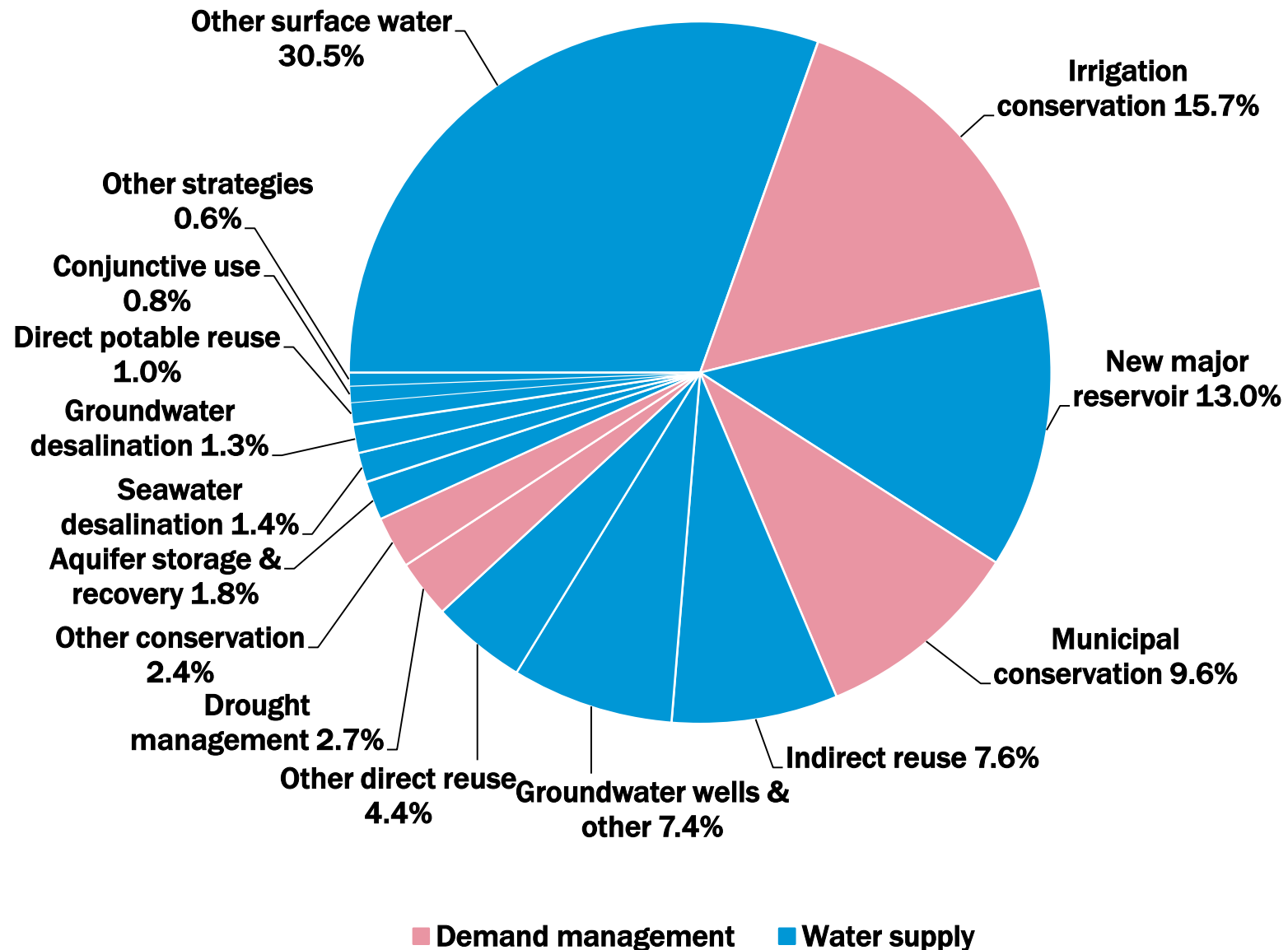




# STRATEGIES BY WATER RESOURCE IN 2070



# STRATEGIES BY TYPE IN 2070



# TOP THREE STRATEGIES

|           | 2020  | 2070   |
|-----------|---|--|
| Statewide | <ul style="list-style-type: none"><li>- <i>Other Surface Water</i></li><li>- <i>Irrigation Conservation</i></li><li>- Groundwater Wells &amp; Other</li></ul> | <ul style="list-style-type: none"><li>- <i>Other Surface Water</i></li><li>- <i>Irrigation Conservation</i></li><li>- <i>New Major Reservoir</i></li></ul> |
| Region K  | <ul style="list-style-type: none"><li>- <i>Drought Management</i></li><li>- Other Surface Water</li><li>- Indirect Reuse</li></ul>                            | <ul style="list-style-type: none"><li>- <i>Drought Management</i></li><li>- <i>Irrigation Conservation</i></li><li>- <i>New Major Reservoir</i></li></ul>  |

# CONSERVATION - 2017 STATE WATER PLAN

- Conservation makes up over one quarter of strategy supplies in 2070
- Most frequently recommended strategy in the 2017 Plan
- More than \$4 billion in capital costs
- Demand management (long-term conservation and temporary drought management restrictions) and reuse combined make up 45% of total strategy volumes.

# NOTABLE CHANGES IN STRATEGIES

Conservation

Over 25% of all strategies

Aquifer Storage and Recovery

350% Increase

Direct Potable Reuse

Recommended 7x as much!

# TURNING PLANNING INTO PROJECTS

5,500 strategies



2,400 projects



Capital cost of \$63 billion

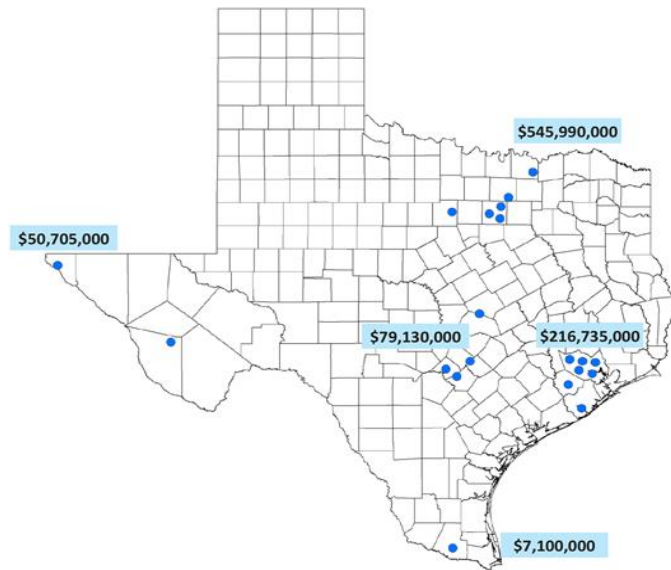


- \$900 million in financial assistance in 2015 (approximately)
- \$3.9 billion in financial assistance over the next decade (approximately)
- 20 project sponsors
- 30 projects
- \$106 million in projected savings
- AAA rating

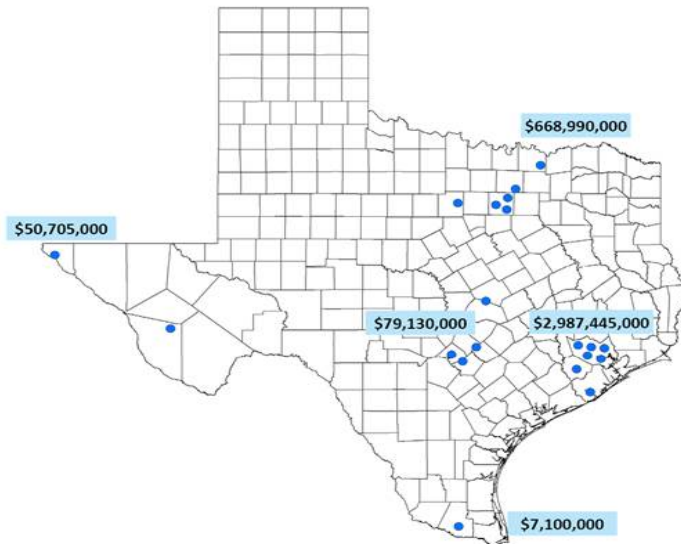


# COMMUNITIES SERVED

## 2015 SWIRFT Financial Assistance



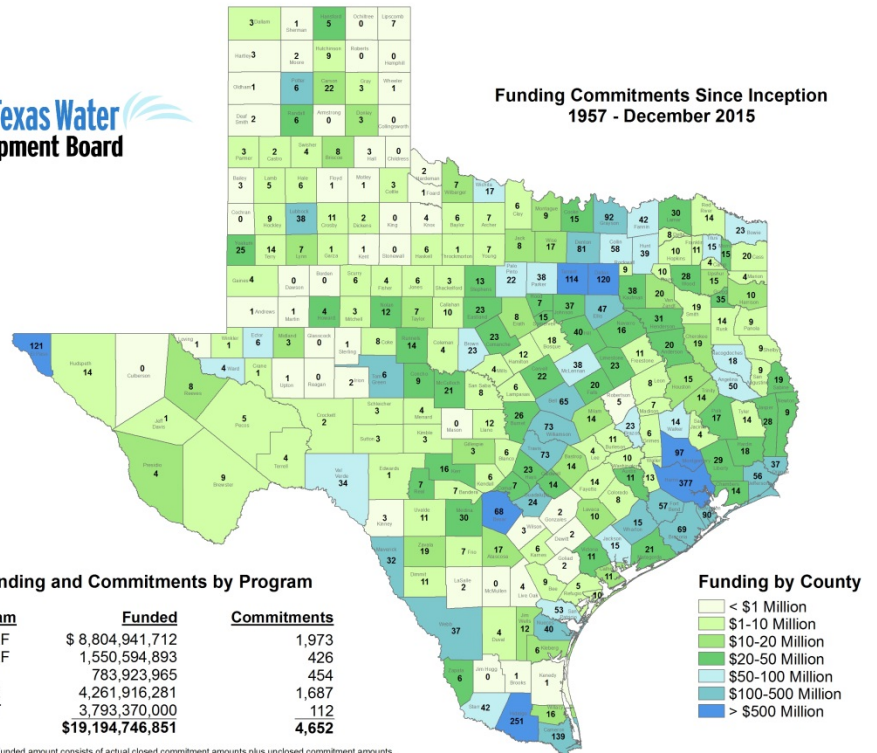
## Multi-Year Financial Assistance Request\*



*Turns Planning into Projects*

## Total Funding Commitments\* (Loans and Grants) Post-SWIRFT 1957 – December 2015

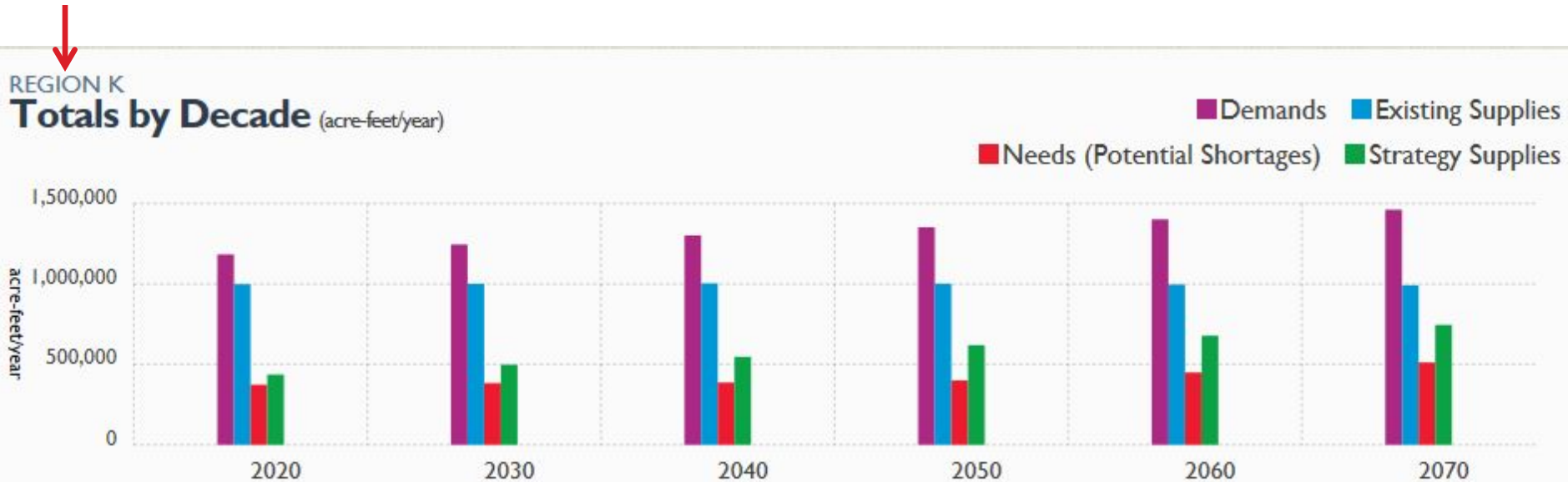
Texas Water  
Development Board



\* Preliminary, subject to change

\*\* Multi-year commitments include the 2015 financial assistance requests

# ONLINE 2017 STATE WATER PLAN



|                                    | 2020      | 2030      | 2040      | 2050      | 2060      | 2070      |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Demands</b>                     | 1,183,325 | 1,245,335 | 1,301,963 | 1,352,231 | 1,401,321 | 1,461,807 |
| <b>Existing Supplies</b>           | 998,867   | 1,000,960 | 1,003,758 | 1,001,689 | 996,571   | 991,929   |
| <b>Needs (Potential Shortages)</b> | 373,563   | 383,821   | 387,321   | 400,009   | 449,699   | 512,304   |
| <b>Strategy Supplies</b>           | 436,403   | 498,144   | 547,398   | 619,471   | 678,032   | 745,284   |

<http://texasstatewaterplan.org>

# EXAMPLES OF PROJECTS REGION K IDENTIFIED TO ADDRESS POTENTIAL NEEDS

REGION K

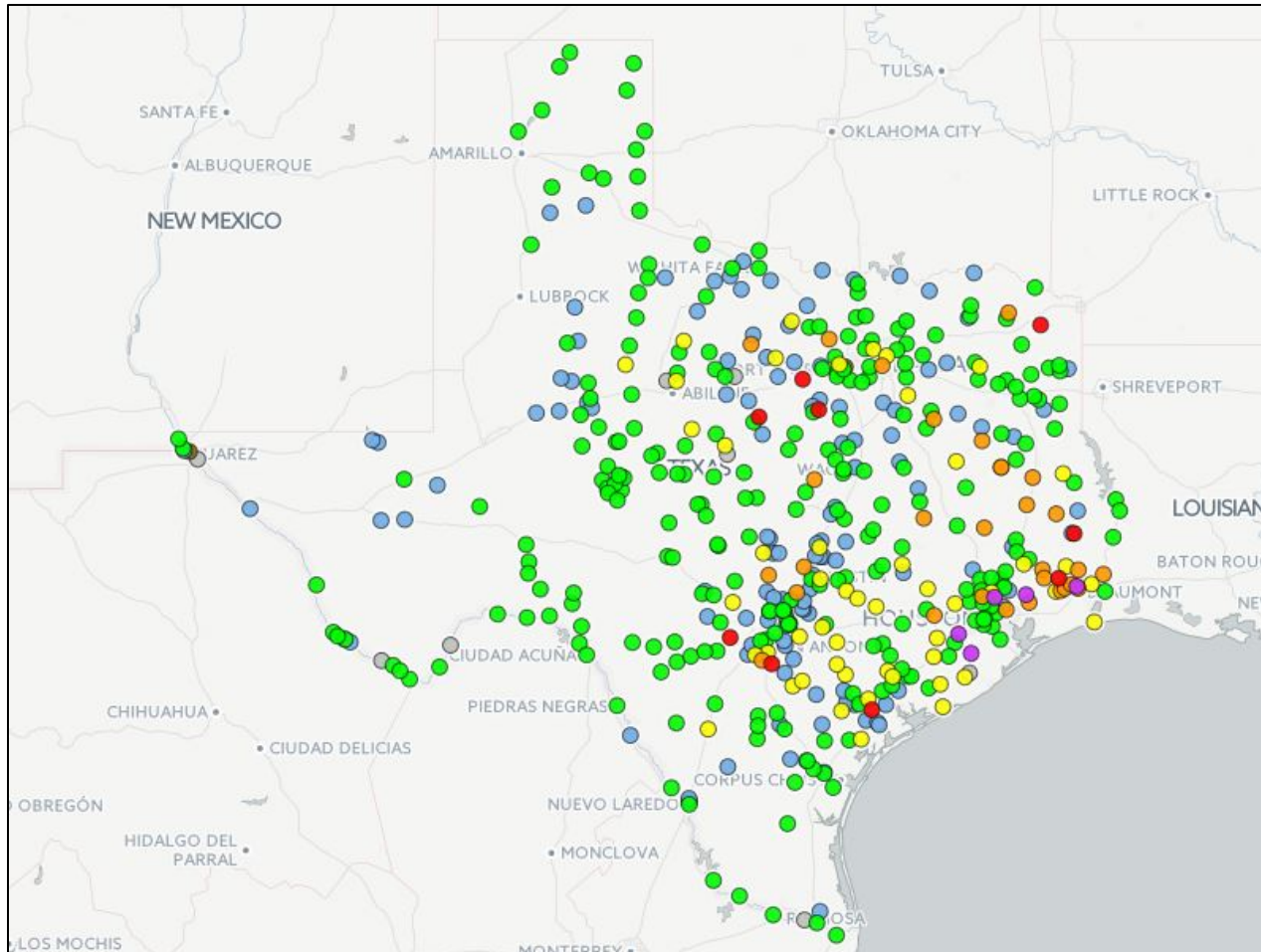
## Recommended Projects

Total capital cost of recommended projects: **\$3,772,705,672.**

Type to filter table

| Project▲   | Decade Online | Sponsor  | Capital Cost  |
|--|---------------|--|---------------|
| ALTERNATE CANAL DELIVERY - STPNOC                              | 2020          | STEAM ELECTRIC POWER (MATAGORDA)   | \$7,669,000   |
| BRUSH CONTROL  | 2020          | COUNTY-OTHER (BLANCO);<br>COUNTY-OTHER (BURNET);<br>COUNTY-OTHER (GILLESPIE);<br>COUNTY-OTHER (HAYS);<br>COUNTY-OTHER (LLANO);<br>COUNTY-OTHER (MILLS);<br>COUNTY-OTHER (SAN SABA);<br>COUNTY-OTHER (TRAVIS) | \$17,096,000  |
| BS/EACD EDWARDS / MIDDLE TRINITY ASR                           | 2030          | BUDA; COUNTY-OTHER (HAYS); MINING (HAYS);<br>MOUNTAIN CITY; SUNSET VALLEY  | \$13,000,000  |
| BS/EACD SALINE EDWARDS ASR                                     | 2030          | BUDA; COUNTY-OTHER (HAYS); CREEDMOOR-MAHA WSC  | \$15,000,000  |
| BUENA VISTA REGIONAL PROJECT                                   | 2020          | BERTRAM; BURNET; COUNTY-OTHER (BURNET)   | \$24,990,000  |
| CITY OF AUSTIN - AQUIFER STORAGE AND RECOVERY                  | 2020          | AUSTIN   | \$312,316,000 |
| CITY OF AUSTIN - CAPTURE LOCAL INFLOWS TO LADY BIRD LAKE       | 2020          | AUSTIN   | \$2,949,000   |
| CITY OF AUSTIN - DIRECT REUSE                                  | 2020          | AUSTIN   | \$536,176,000 |
| CITY OF AUSTIN - INDIRECT POTABLE REUSE THROUGH LADY BIRD LAKE | 2020          | AUSTIN   | \$41,970,000  |

# TEXASFLOOD.ORG





# SAVE THE DATE!



**January 23-25, 2017**

**AT&T Conference Center,  
Austin, Texas**

**Hosted by the TWDB**

**[WaterForTexas.twdb.texas.gov](http://WaterForTexas.twdb.texas.gov)**

# HOW TO CONTACT ME



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