

Texas Water Development Board



Introduction to Texas Regional & State Water Planning

Regional & State Water Planning

Background on regional planning

Overview of process

Summarize content of regional plans

Planning cycle

TWDB - 50 Year Anniversary

Created in 1957 to:

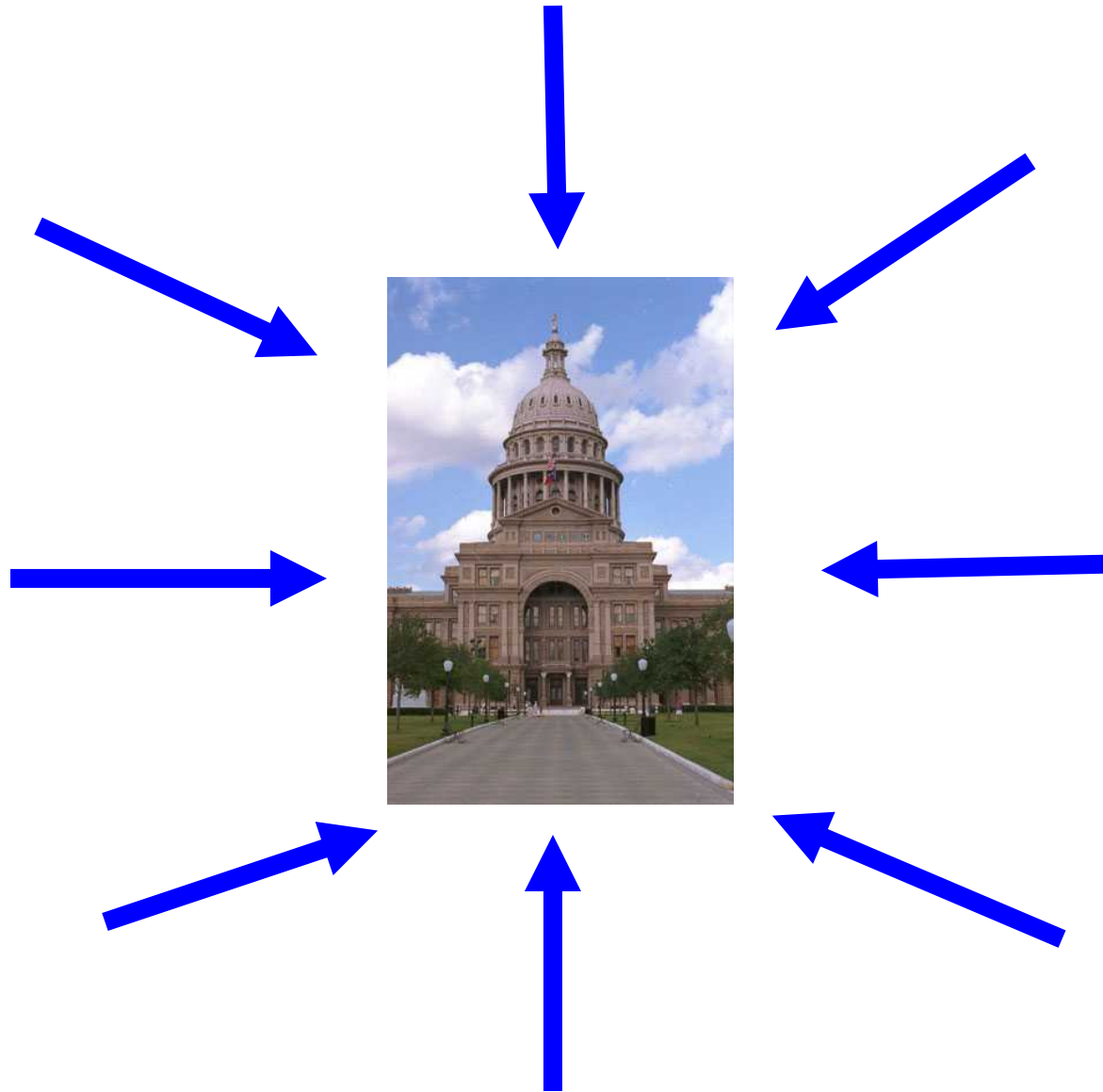
- **Provide water project funding**
- **Prepare state water plans**

(Major shift with Senate Bill 1 in 1997)

Water Planning Prior to SB 1



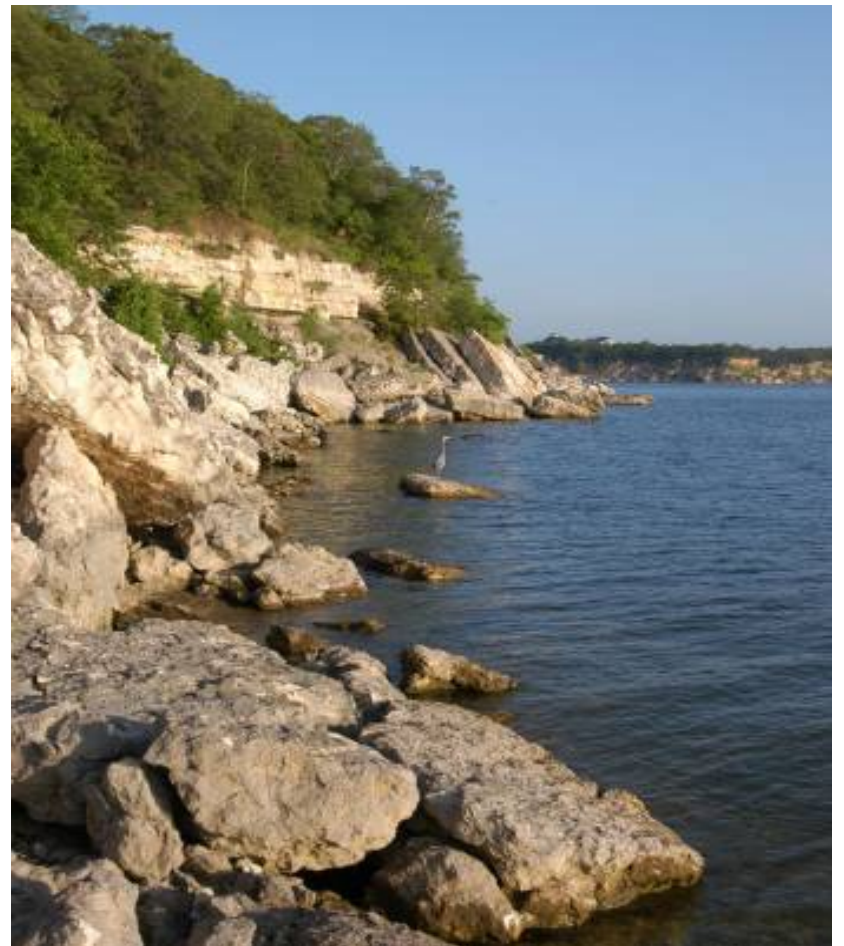
Water Planning Post SB 1



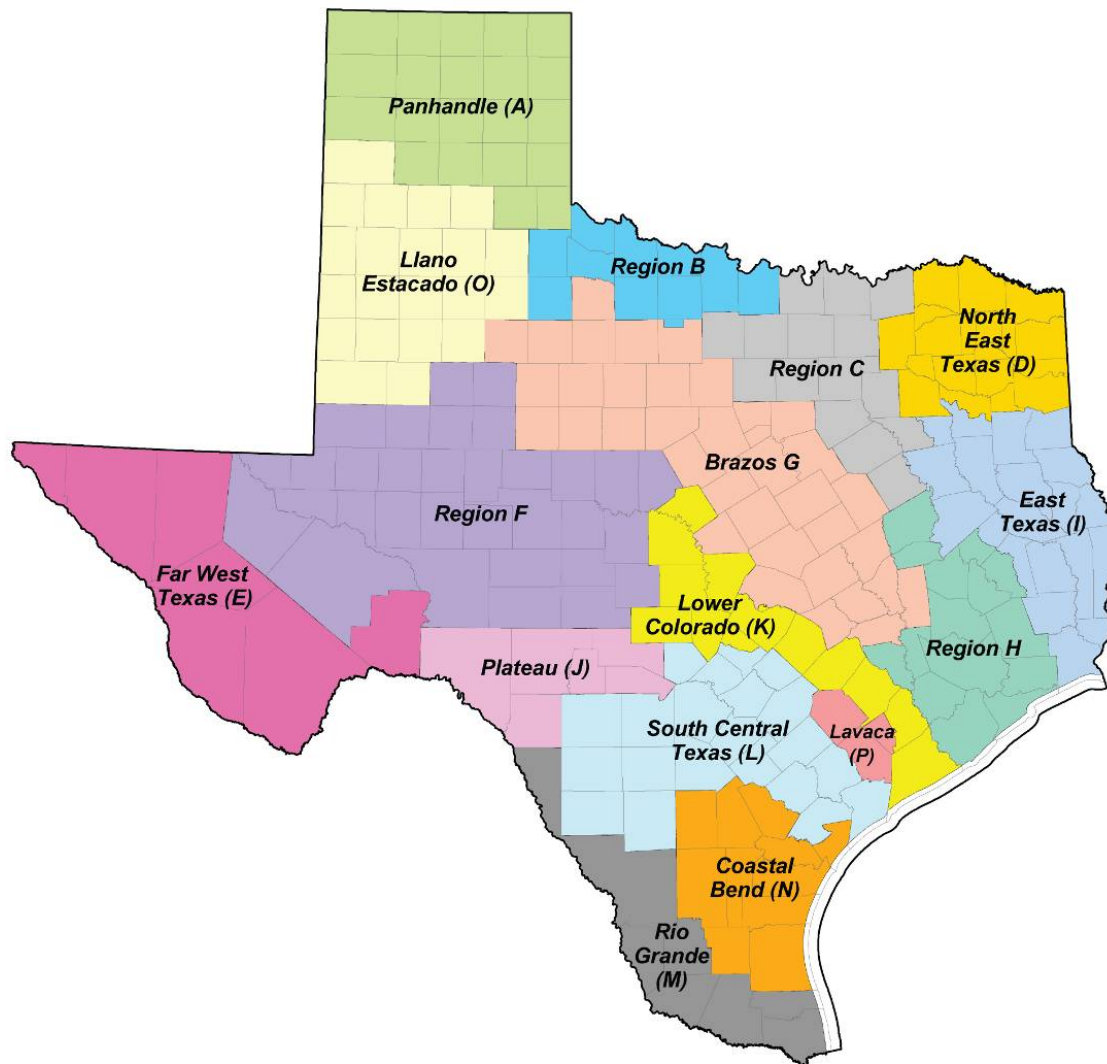
Incentives

TWDB funding

**TCEQ surface water
right permits**



16 Planning Regions



Regional Planning Groups

- **Local Political Subdivision serves as administrator**
- **Public, consensus-driven; local/regional decision making process**
- **Statutory interests:**
 - Public
 - Counties
 - Municipalities
 - Industries
 - Agriculture
 - Environment
 - Small business



- Electric generating utilities
- River authorities
- Water districts
- Water utilities

Regional Planning Roles

Legislature

TWDB

RWPG

PUBLIC

Political
Subdivision

Consultants

Regional Water Planning Basics

- **Project population**
- **Project water demands**

**Assess existing
water supplies**

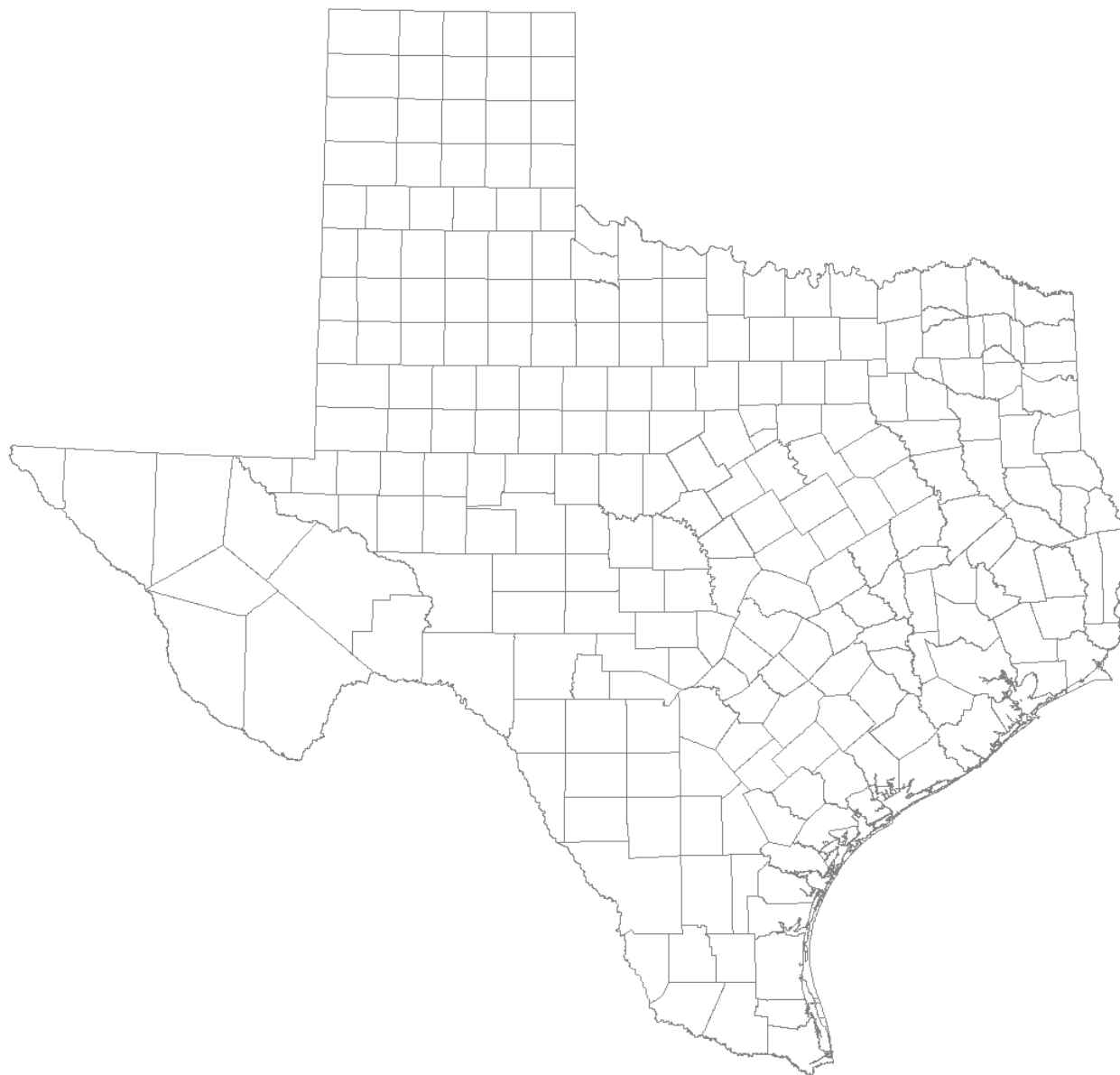
**Compare demands and
supplies to identify 'needs'**

**Recommend water management
strategies**

Planning Units/Terms

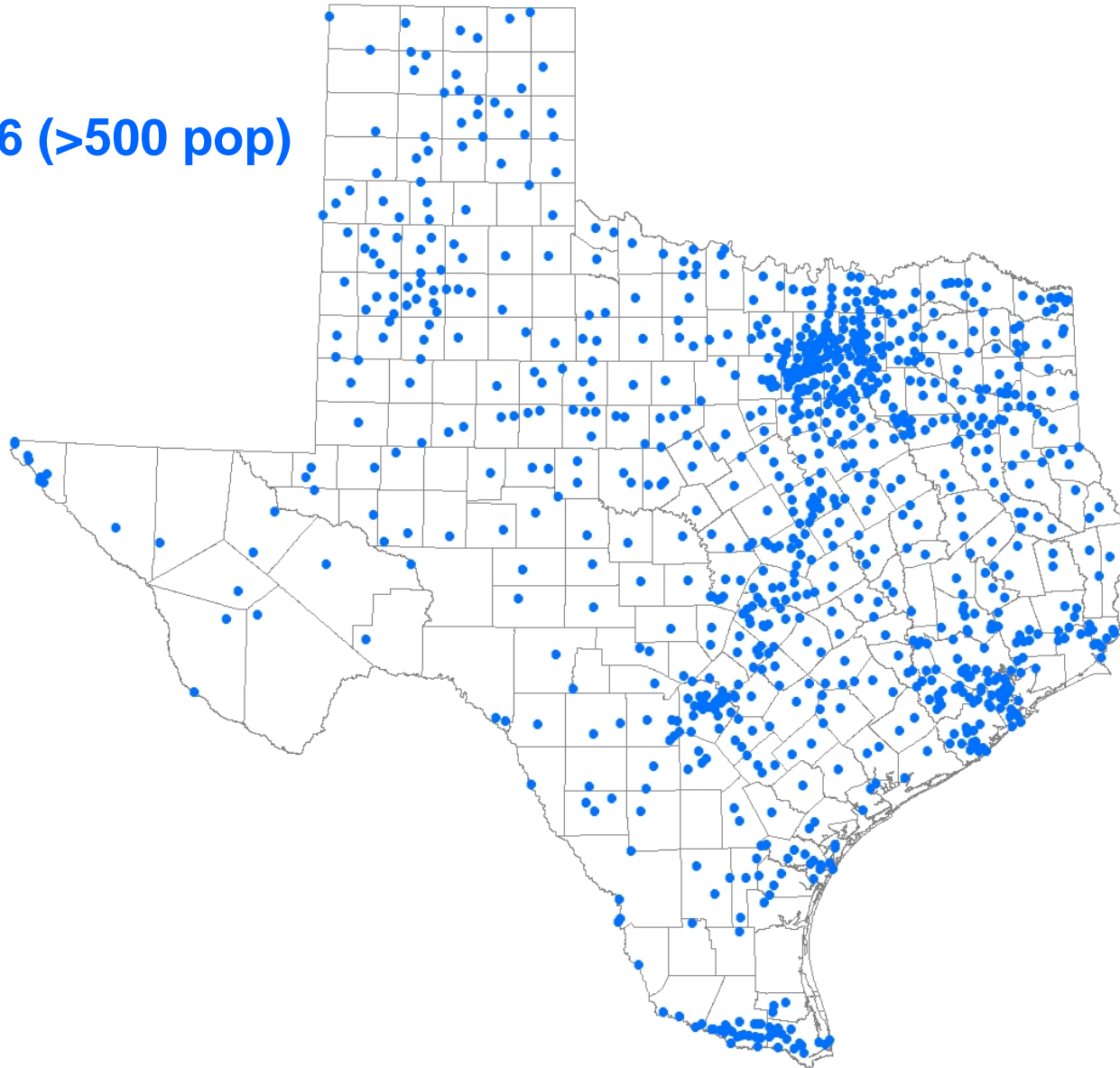
- **DOR** (drought of record)
- Timing is **decadal** (2010-2060)
- Water is presented in **acre-feet** (AF)
(1 AF = 325,851 gallons)
- NEED is **not equal** to DEMAND
- **RWPG** (regional water planning group)
- **WMS** (water management strategy)
- **WWP** (wholesale water provider)
- **WUG** (water user group)

Water User Groups (WUGs)



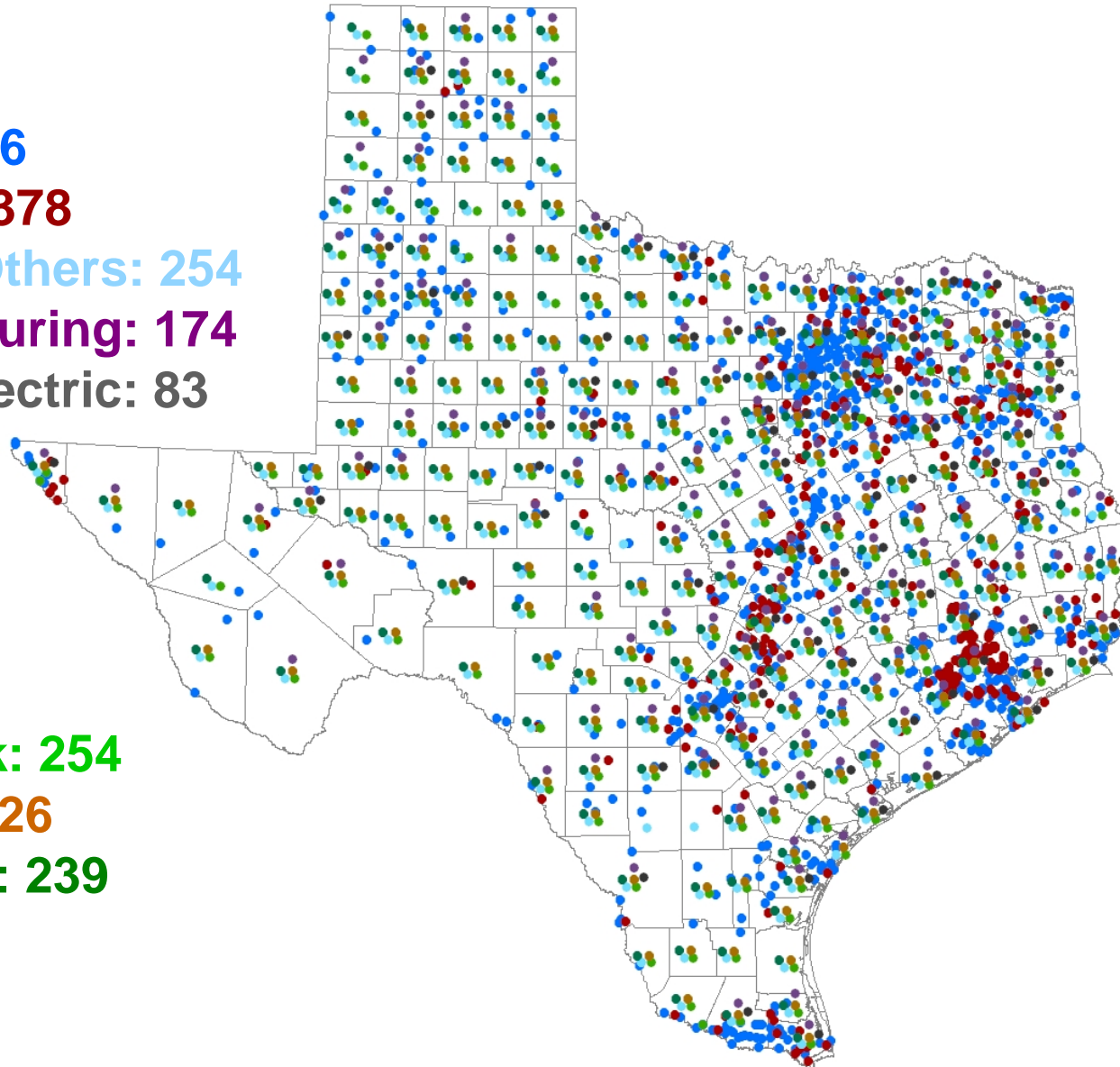
Cities

- Cities: 956 (>500 pop)



Total WUGs = 2,564

- Cities: 956
- Utilities: 378
- County-Others: 254
- Manufacturing: 174
- Steam Electric: 83



- Livestock: 254
- Mining: 226
- Irrigation: 239

Regional Planning Deliverables

- A. 10 standard contract Tasks/
Chapters**
- B. Populate State Water Plan
database (online)**
- C. Report documents**

Regional Planning Tasks/Chapters

- 0 – *(scope of work development)***
- 1 - Planning area description**
- 2 - Population and water demand projections**
- 3 - Water supply analysis**
- 4 - Water management strategies**
- 5 - Impacts of water management strategies**

Regional Planning Tasks/Chapters

- 6 - Water conservation and drought management**
- 7 - Long-term protection of State's water, agricultural, and natural resources**
- 8 - Unique stream segments and reservoir sites**
- 9 - Water infrastructure funding**
- 10 - Adoption of plan**

State Water Plan

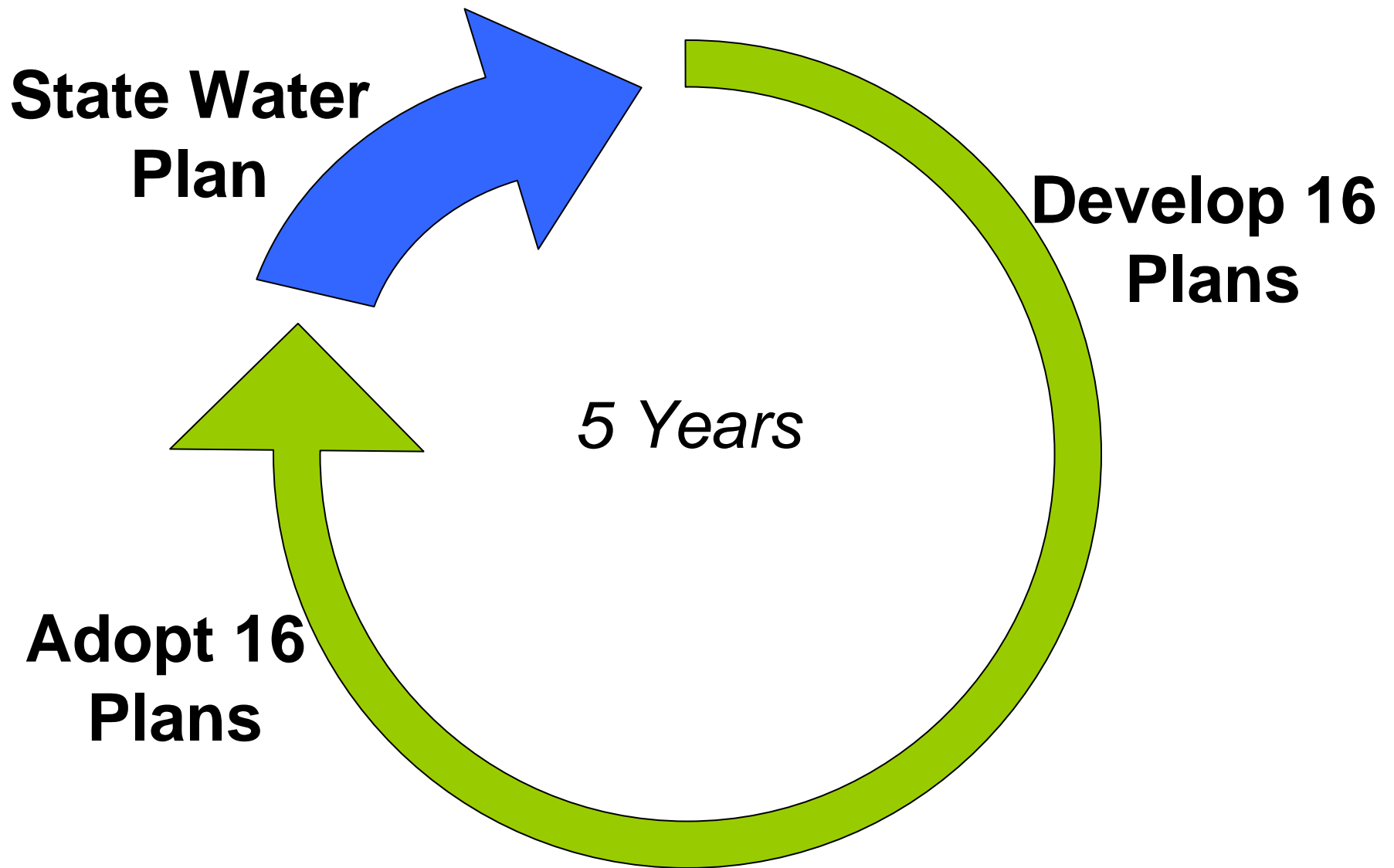
16 Regional Plans



data

STATE WATER PLAN

Region & State Planning Cycles



Audience

Governor & Legislators receive the State Water Plan

- Costs and funding needs
- Policy recommendations



TWDB

Questions?