REGION H Water Planning Group



DEVELOPING THE REGION H 2016 REGIONAL WATER PLAN

Lone Star Groundwater Conservation District



02 March 2015

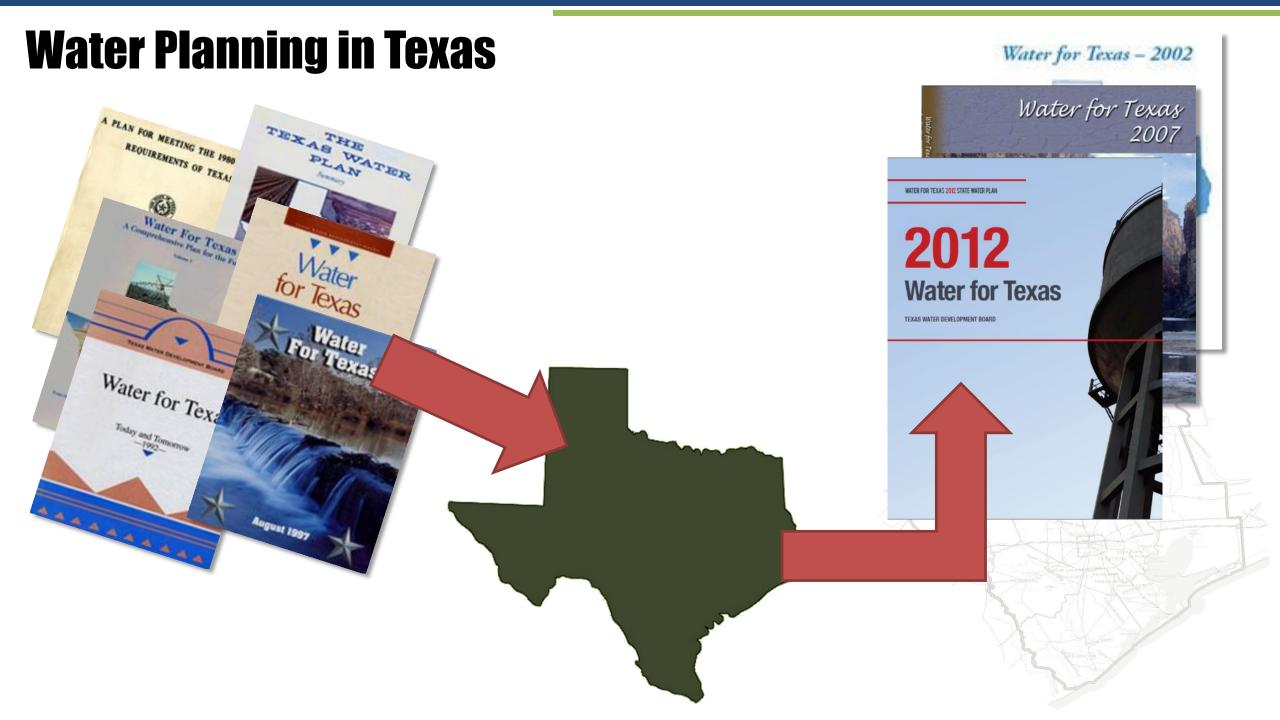
Freese and Nichols, Inc. | LBG-Guyton Associates | Ekistics Corporation

Water Planning in Texas

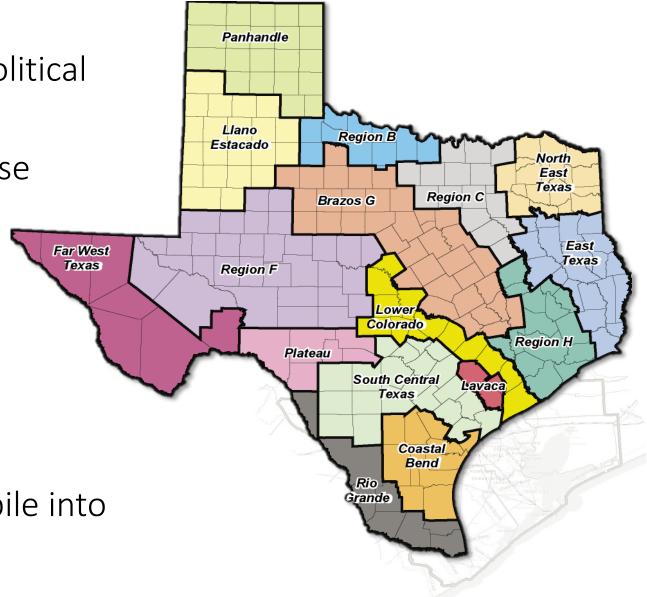
Texas Water Development Board

Provide water project funding

Prepare state water plans



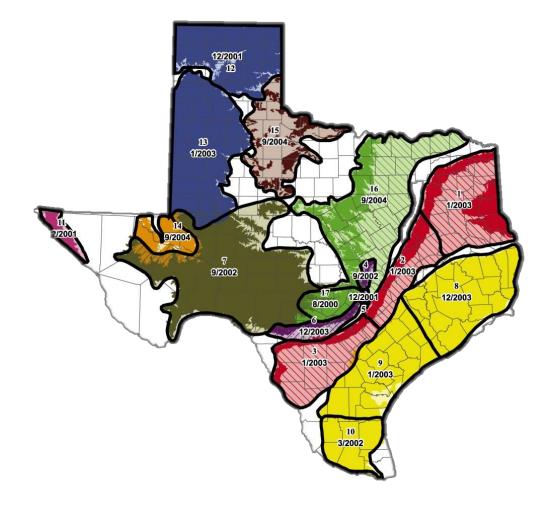
- 16 regions based on natural and political boundaries
- Volunteer planning groups of diverse interests
- Five-year cycle
 - **2001**
 - **2006**
 - **2011**
 - **2016**
- Regional Water Plans (RWPs) compile into State Water Plan (SWP)

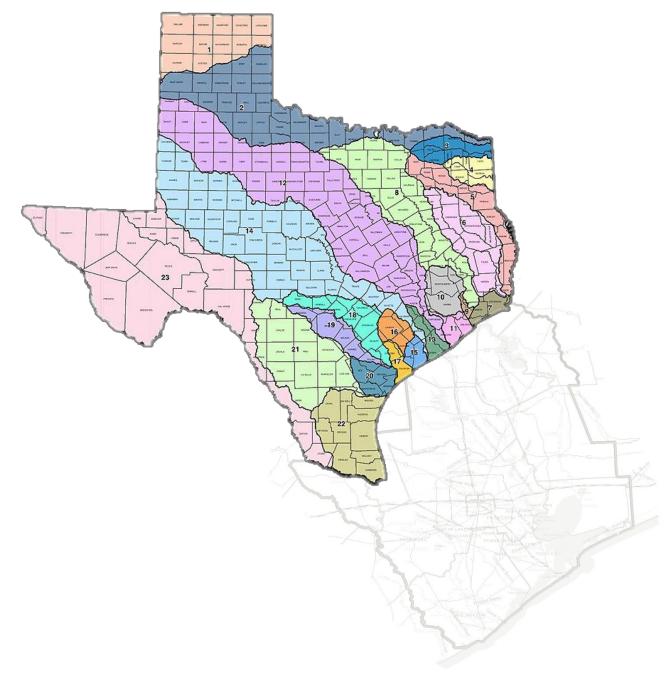


Demands

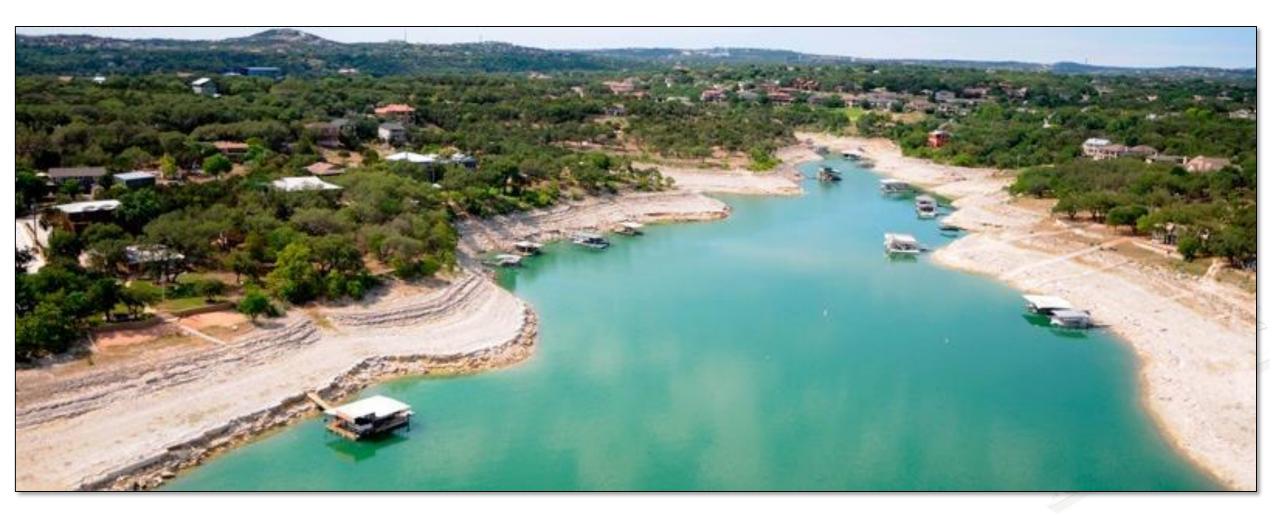


Supplies



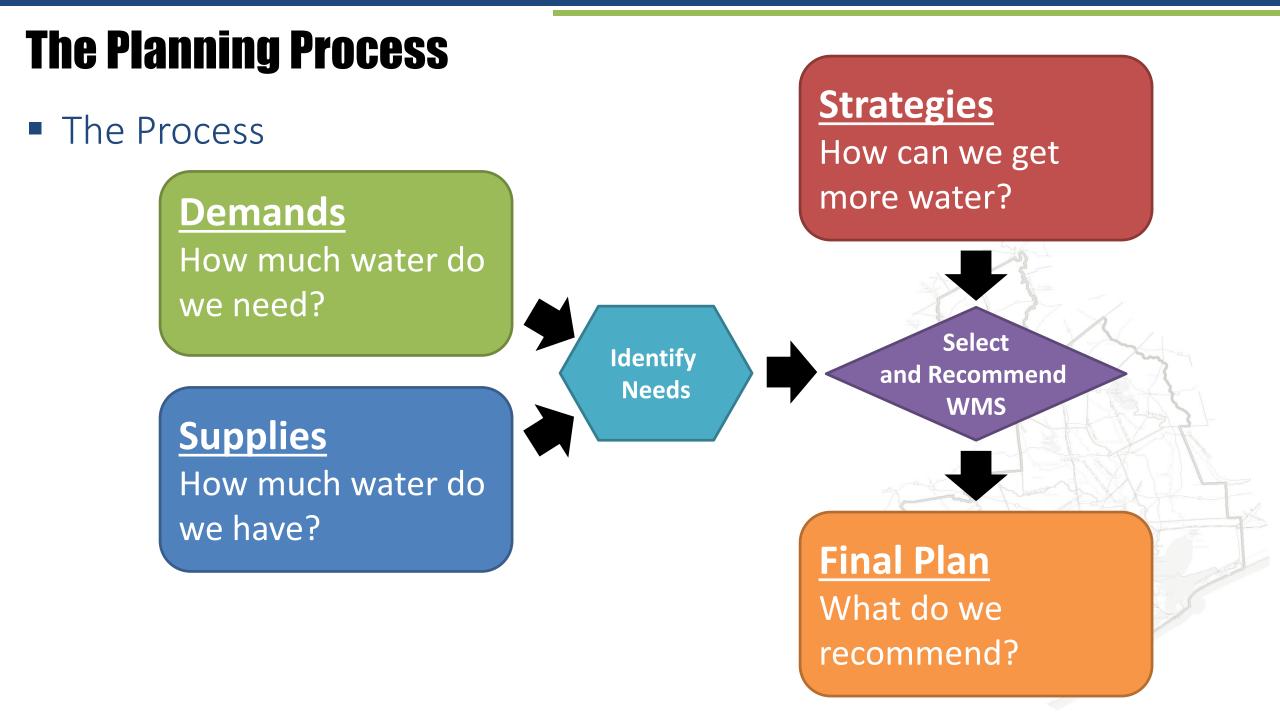


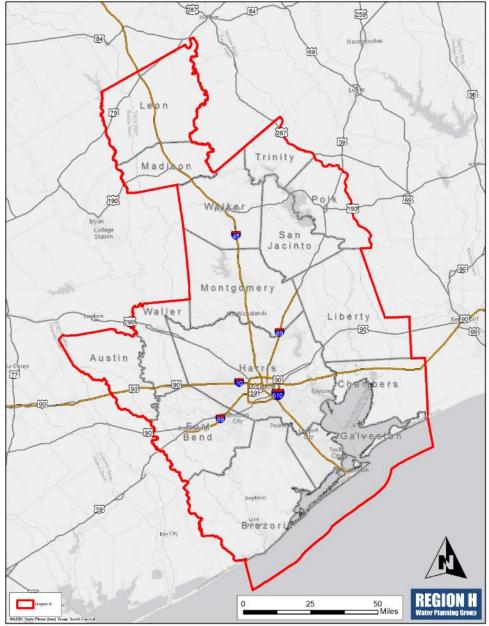
Needs



Water Management Strategies and Projects



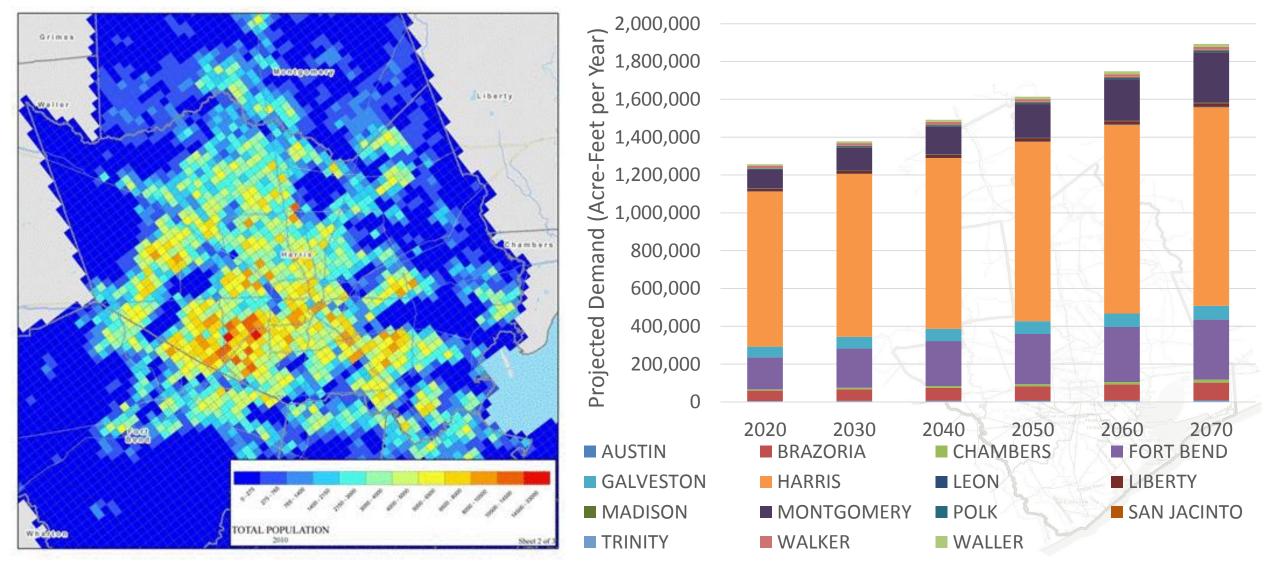




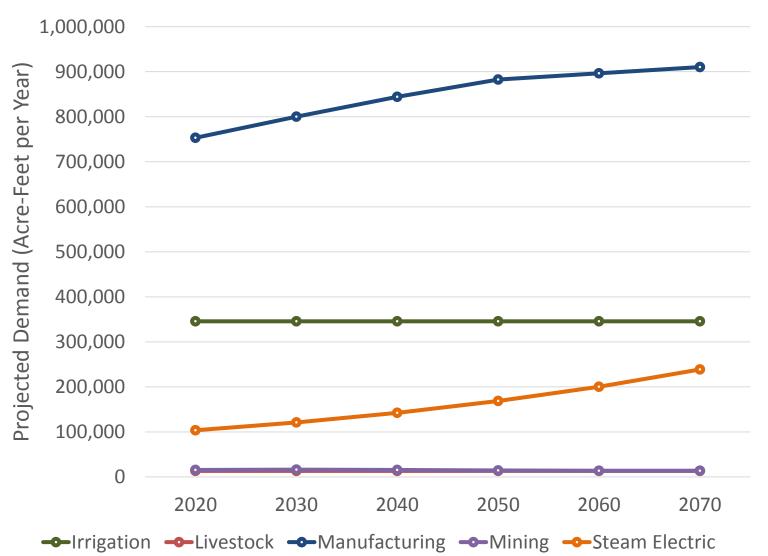
Client:

- TWDB (Sponsor)
- SJRA (Political Subdivision)
- Region H Planning Group (26 Individuals)
- Budget:
 - **\$**2,124,601
- Schedule:
 - Commence work 23 June 2011
 - Initially Prepared Plan 01 May 2015
 - Regional Water Plan 01 December 2015

Population and Water Demands

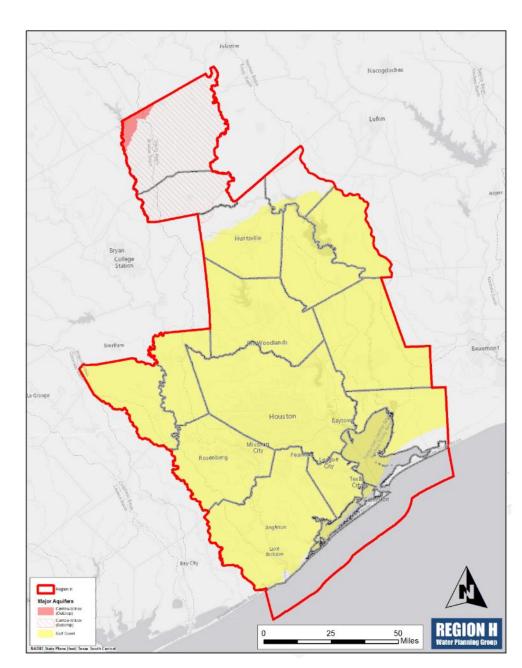


Demands

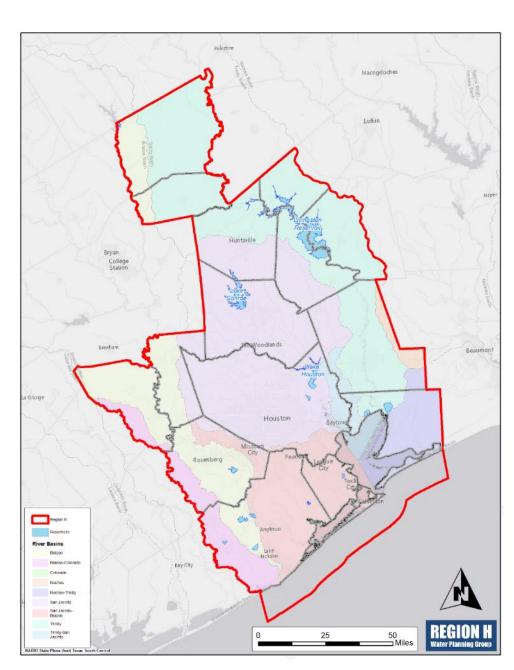


- Irrigation
 - TWDB recommended
 - Region H adjusted
- Livestock
 - TWDB recommended
- Manufacturing
 - Region H adjusted
- Mining
 - TWDB recommendedInclude oil and gas exploration
- Steam Electric
 - TWDB recommended
 - Region H adjusted

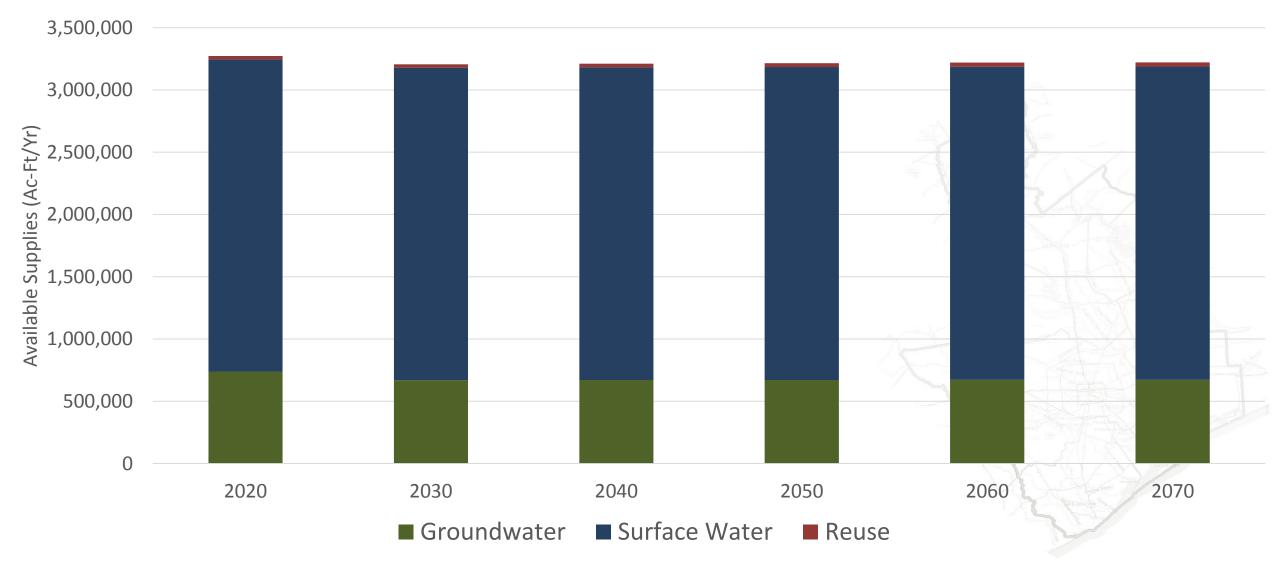
- Groundwater Supplies
 - Resources
 - Two major aquifers
 - Four minor aquifers
 - Availability
 - Set as TWDB estimate of Modeled Available Groundwater (MAG)
 - MAGs from Desired Future Conditions (DFCs) set by Groundwater Management Areas (GMAs) 11, 12, and 14
 - MAGs are based on joint planning in GMAs submitted in 2010



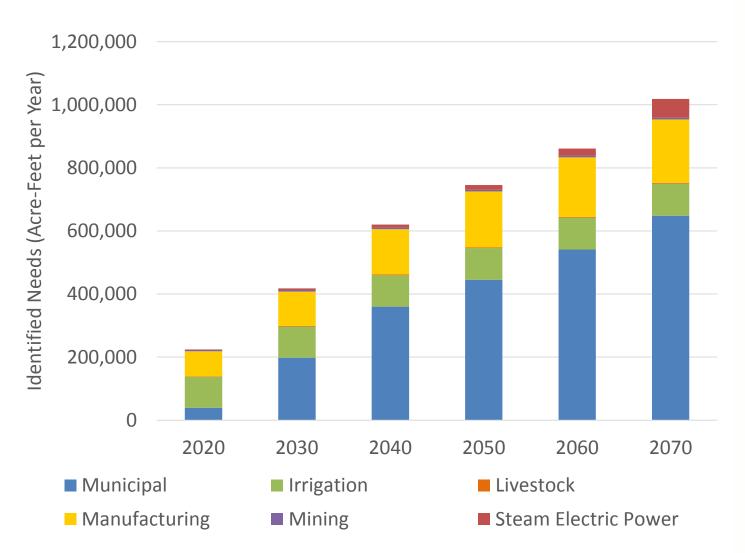
- Surface Water Supplies
 - Resources
 - Three river basins
 - Three major reservoirs
 - Availability
 - Evaluated by RWPG
 - Based on TCEQ Water Availability Model (WAM) "Run 3" for each basin
 - Maximum diversion
 - No return flows
 - Certain exceptions allowed by TWDB

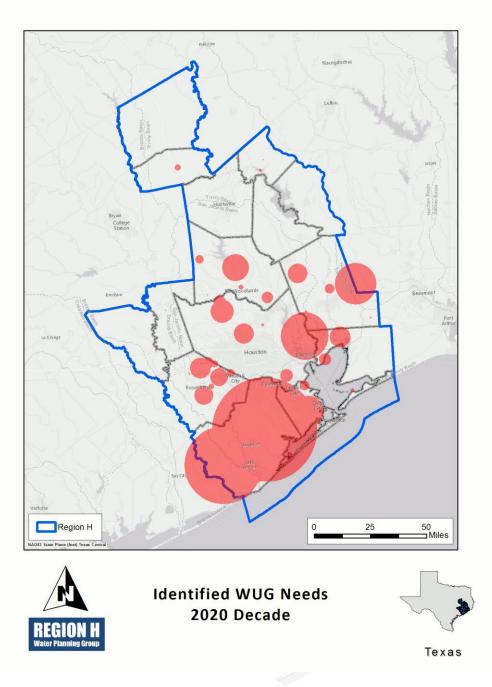


Total Supplies

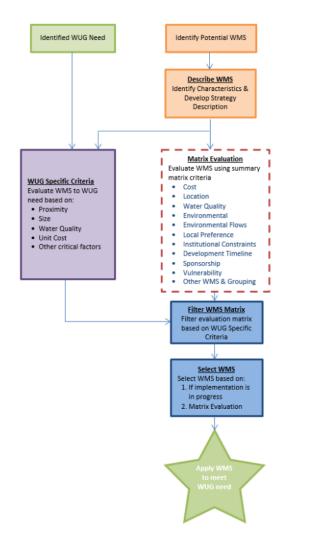


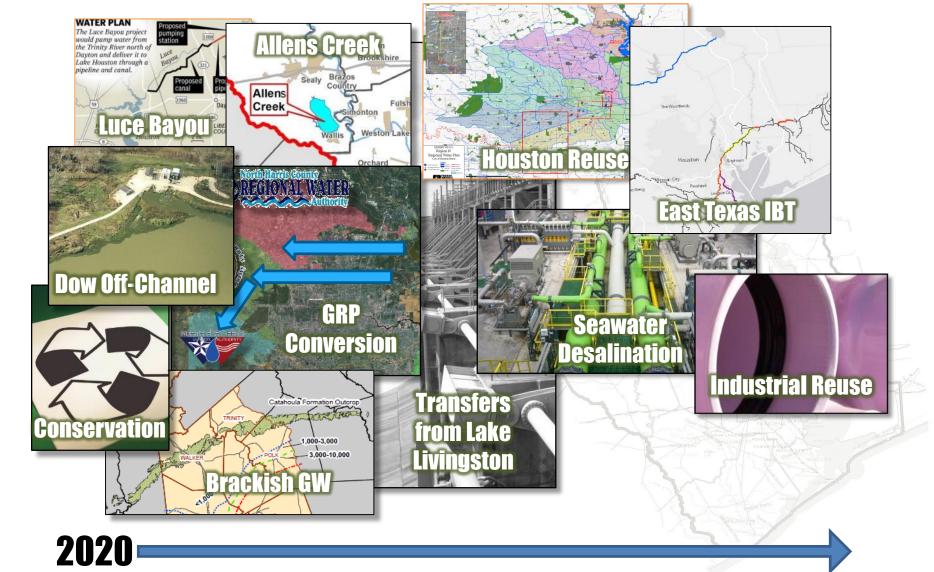
Needs



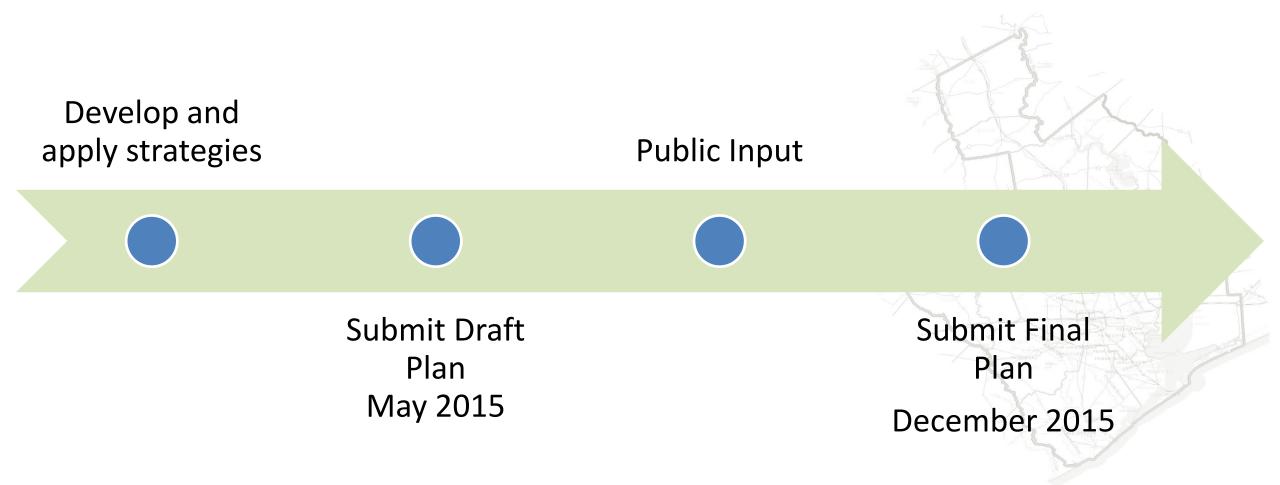


Water Management Strategies and Projects





Timeline



Public Involvement

How to Get Involved

- Public process by design
- Regional Planning Group meetings
- Outreach to stakeholders
 - Survey (population and demand projections, supplies, projects)
 - Directed correspondence
- Public comment period
 - Between IPP and Final Plan submittals

Why Get Involved?

- Build upon local planning efforts
 - Enhanced tools from region, state
- Identify gaps in long-term planning
 - Finding regional opportunities
- State funding
 - Identify regional need for infrastructure
 - Eligible for State programs
- TWDB-funded
 - No cost to participate

Significant Remaining Effort

- Planning Group, agency, and public review
- Data entry into DB17
- Database reports
- Socioeconomic impacts
- Infrastructure financing survey
- Implementation survey



After the Planning Process

- Amendments
 - 2011 RWP
 - Brazosport Water Authority
 - Dow Chemical
 - Gulf Coast Water Authority

• 2016 RWP

• ???

62+ days MAJOR 32 - 60+ days **REGIONAL PROCESS** Regional Water Planning **Regional Water Planning** Group considers 30 day comment Group considers and 30 day hearing notice Hearing comments and makes period makes decision on decision on adopting TWDB PROCESS request for amendment amendment **TWDB** considers Determine TWDB comments and makes type of reviews Hearing 30 day hearing notice amendment decision on adopting amendment amendment TWDB to **Regional Water Planning** validate Regional Water Planning 14-day follow-up classification 14-day notice Group considers submit to Group considers and comments and makes as "minor." period comment period makes decision on TWDB decision on adopting may take up request for amendment amendment to 45 days 32 - 60+ days MINOR 30 - 45+ days

Developing the Region H 2016 Regional Water Plan

Thank you

http://www.regionhwater.org

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