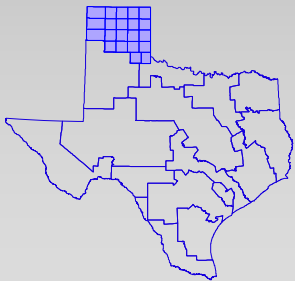


Methodology – Water Management Strategies

PWPG Meeting

May 13, 2009

**Panhandle Water
Planning Area**

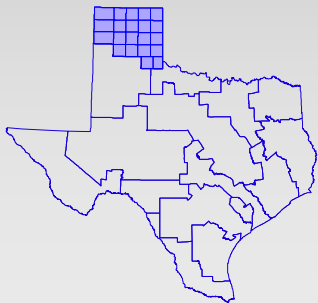


Feasible Strategies

From TAC 357.5

“Before a regional water planning group begins the process of identifying potentially feasible water management strategies, it shall document the process by which it will list all possible water management strategies and identify the water management strategies that are potentially feasible for meeting a need in the region.”

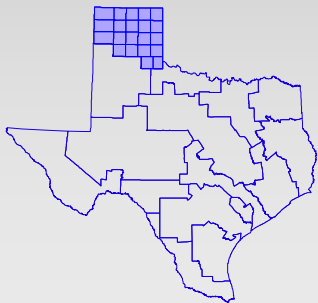
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Identification Process

- Identify entities with needs
- Review recommended strategies in 2006 plan
- Determine if new or changed strategies are needed
- Contact entity for input
 - ◆ Contact PWPG representative for county-wide WUGs
- Verify recommendations

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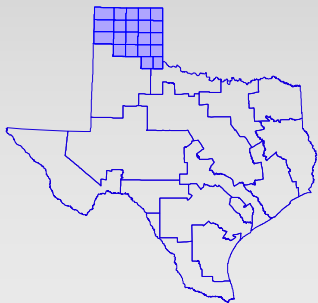


Feasible Strategies

■ Considerations

- ◆ A strategy must use proven technology
- ◆ A strategy should be appropriate for regional planning
- ◆ A strategy should have an identifiable sponsor
- ◆ Must consider end use. Includes water quality, economics, etc.
- ◆ Must meet existing regulations

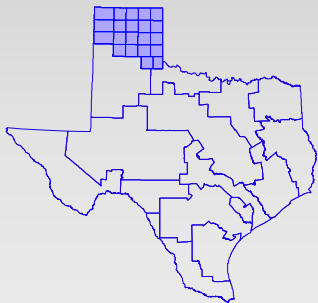
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Feasible Conservation Strategies

- **Water conservation**
 - ◆ Review for applicability and update for all WUGs with a need
- **Drought management**
 - ◆ Emergency measures
 - ◆ Not recommended for long-term
- **Wastewater reuse**
 - ◆ Update based on current practices

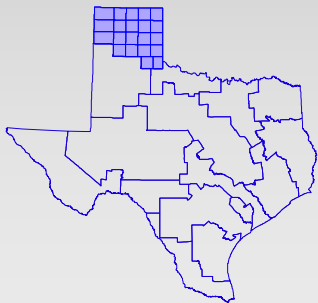
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Feasible Strategies

- **Expanded use of existing supplies**
 - ◆ New groundwater wells
 - ★ Consider groundwater availability
 - ◆ Conjunctive use of groundwater & surface water
 - ◆ New infrastructure
- **Voluntary Transfer**
 - ◆ Contracts
 - ◆ Sales, leases and options

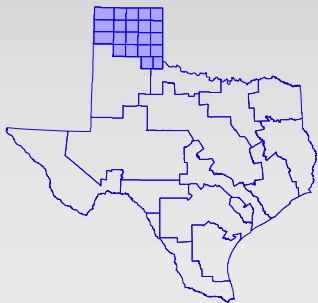
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Feasible Strategies

- **Yield enhancement**
 - ◆ Brush management
 - ◆ Precipitation enhancement
 - ◆ Recharge enhancement

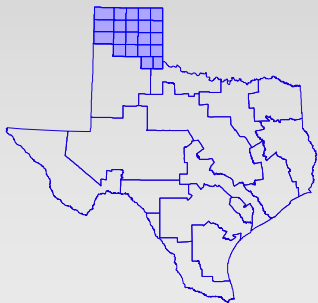
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Evaluations

- Quantity, cost and reliability
- Environmental factors
- Impacts on water resources and other WMS
- Impacts on agriculture/ rural
- Impacts on natural resources
- Impacts on key water quality parameters
- Other relevant considerations

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Alternative Strategies

- Selected with entity input
- Evaluated using same considerations for selected strategies
- Included in 2011 Plan

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