Managing the Complexities of Statewide Water Management Planning in Oklahoma
Groundwater vs. Surface Water Dependency

Percentage of Water Used

- Green: Groundwater
- Blue: Surface Water
Municipal and Industrial, Self Supplied Industrial, and Agriculture
Local Input Meetings

42 Local Input Meetings held in 2007

- 2250 people attended
- 2539 comments received
Regional Input Meetings

11 Regional Input Meetings scheduled for 2008

- 656 nominations
- 480 applications submitted
- 368 selected

OCWP

Local Input Meetings
Regional Input Meetings
Planning Workshops
Town Hall Meeting
Feedback Meetings
Policy Recommendations

POLICY DEVELOPMENT (PUBLIC INPUT)

TECHNICAL STUDIES

Research
Water Supply/Demand Analysis
Public Water Supply Assessment
Supplemental Studies

IMPLEMENTATION

Town Hall Meetings
Water Supply/Demand Analysis
Public Water Supply Assessment
Supplemental Studies

Feedback Meetings
Policy Recommendations

Enid
Oklahoma City
Elk City
Lawton
Tishomingo
McAlester
Muskegee
Big Cabin
Tulsa
Cabora
Beaver

OCWP Map
Planning Workshops

Planning workshops were held in the OKC metro region to discuss specific attributes of the materials being developed.
Town Hall Meeting
A state wide Town Hall meeting occurred to bring together differing views and opinions
Feedback Meetings

The State performed a series of feedback meetings allowing citizens to voice their opinion of the materials being developed.
Policy Recommendations

Policy Development (Public Input)
- Local Input Meetings
- Regional Input Meetings
- Planning Workshops
- Town Hall Meeting
- Feedback Meetings
- Policy Recommendations

Technical Studies
- Research
- Water Supply/Demand Analysis
- Public Water Supply Assessment
- Supplemental Studies

Implementation
The diagram outlines the process of the Oklahoma Comprehensive Water Plan (OCWP) under the guidance of the State of Oklahoma Water Resources Board (OWRB). It includes several key components:

1. **Policy Development (Public Input)**:
   - Local Input Meetings
   - Regional Input Meetings
   - Planning Workshops
   - Town Hall Meeting
   - Feedback Meetings
   - Policy Recommendations

2. **Technical Studies**:
   - Research
   - Water Supply/Demand Analysis
   - Public Water Supply Assessment
   - Supplemental Studies

3. **Evaluation**:
   - Research Feedback Meetings

4. **Implementation**:

Additionally, the diagram lists the cooperation with various research partners and institutions, including:

- **Regional and Public Input**: Municipal League, RWA, University of Oklahoma, University of Tulsa, and others.

- **Technical and Planning Workshops**: Oklahoma State University, USGS, National Aeronautics and Space Administration (NASA), Environmental Protection Agency (EPA), and others.

- **Implementation Support**: including OKC Water Resources Research Institute, Oklahoma Corporation Commission, and Guernsey, CDM, Inter, and CDM, Inters consulting firms.
Public Water Supply Assessment

2012 – 2020 = $12.6B
2021 – 2040 = $22.8B
2041 – 2060 = $8.5B
Supplemental Studies

- 35 Separate Technical Studies were completed during the development of the OCWP
What Level of Detail to Communicate

Executive Report

Regional Reports (13)

Basin Reports (82)

Technical Studies (35)

General Public

Managers

Utilities

Technical
Regionally Reporting the Technical Details
Technical Studies

- Agricultural Issues and Recommendations
- Approach for Statewide Reservoir Yield Analysis
- Aquifer Recharge Pilot Project Evaluation
- Climate Change Hydrology Report
- Climate Issues and Recommendations
- Conjunctive Water Management in Oklahoma and Other States
- Conservation and Climate Change Demand Report
- Drinking Water Infrastructure Assessment
- Drinking Water Infrastructure Needs Assessment
- Financial Assessment of Oklahoma’s Drinking Water Infrastructure Needs
- Floodplain Issues and Recommendation
- Incorporating Climate Change into Water Supply Planning and Yield Analysis
- Instream Flow Recommendations for the Comprehensive Water Plan
- Instream Flows in Oklahoma and the West
- Marginal Quality Water Workgroup Report
- Physical Water Supply Availability Report
- Programmatic Work Plan
- Provider Survey Summary Report
- Public Water Provider Planning Guide
- Regional and Statewide Opportunities and Solutions
- Reservoir Yield Viability Study
- River Basin Water Allocation Modeling Report
- Statewide Water Assessment
- Town Hall Report
- Tribal Water Issues and Recommendations
- Wastewater Infrastructure Assessment
- Water Conveyance Study
- Water Demand Forecast Report
- Water Policy and Related Recommendations
- Water Quality Issues and Recommendations
- Water Quality Trend Summary
- Water SMART Climate Change Report
- Water Supply Hot Spot Report
- Water Supply Permit Availability
- Water Supply Permit Availability Report
# Policy Recommendations

## Priority Recommendations

<table>
<thead>
<tr>
<th>Water Project &amp; Infrastructure Funding</th>
<th>State/Tribal Water Consultation &amp; Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional Planning Groups ✓</td>
<td>Water Conservation, Efficiency, Recycling &amp; Reuse ✓</td>
</tr>
<tr>
<td>Excess &amp; Surplus Water ✓</td>
<td>Water Supply Reliability ✓</td>
</tr>
<tr>
<td>Instream/Environmental Flows ✓</td>
<td>Water Quality &amp; Quantity Monitoring ✓</td>
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</tbody>
</table>

## Supporting Recommendations & Initiatives

<table>
<thead>
<tr>
<th>Nonpoint Source Pollution ✓</th>
<th>Source Water Protection ✓</th>
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</thead>
<tbody>
<tr>
<td>Maximizing &amp; Developing Reservoir Storage ✓</td>
<td>Water Emergency/Drought Planning</td>
</tr>
<tr>
<td>Water Management &amp; Administration ✓</td>
<td>Water Supply Augmentation</td>
</tr>
<tr>
<td>Dam Safety &amp; Floodplain Management ✓</td>
<td>Water Related Research</td>
</tr>
<tr>
<td>Water Quality Management ✓</td>
<td>Agricultural Water Research</td>
</tr>
<tr>
<td>Navigation</td>
<td>Climate &amp; Weather Impacts on Water Management</td>
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<tr>
<td>Interstate Water Issues</td>
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</tbody>
</table>
Looking Back is Always Easy

• Do not shy away from the difficult aspects of comprehensive planning

• Listen to Industry and Environmental Concerns equally and understand their fundamental views

• Give consideration to Tribal concerns and claims

• Address water management issues up front and directly. Do not avoid the difficult topics
Thank You