Georgia Environmental Conference

Water Supply - Reservoirs in Georgia

Kevin Clark
Executive Director

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## GEFA Services

### ENERGY
- **State Energy Office**
  - Georgia Energy Challenge
  - Weatherization
  - State Energy Program
  - State Utility Program

- **Energy Innovation Center**
  - Economic development
  - Security
  - Research

### LAND
- **Land Conservation Program**
  - Grants
  - Loans
  - Tax credits

### WATER
- **Fuel Tank Program**
  - Remediate
  - Monitor
  - Train

- **Water Resources**
  - Water and sewer financing
  - Solid waste financing
  - Water supply planning and financing

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INVESTING IN GEORGIA’S ENERGY, LAND & WATER RESOURCES
Infrastructure Financing

GEFA Water and Sewer Infrastructure Financing Programs

State Funding
- Georgia Fund
  - State bond funds and loan repayments
- GA Reservoir and Water Supply Fund
  - State bond funds

Federal Funding
- Clean Water SRF
  - Federal appropriations, state bond funds (match funds) and loan repayments
- Drinking Water SRF
  - Federal appropriations, state bond funds (match funds) and loan repayments
Multifaceted Approach to Water Supply

- Wells
- Reservoirs
- Utility Water Loss Abatement
- End-Use Water Efficiency
- Redundancy
Historic Financing for Water Supply

- **Reservoirs**
  - Hickory Log Creek (Cherokee Co.)
  - Yahoola Creek (Lumpkin Co.)

- **Wells**

- **Interconnections**

- **Water Conservation**
  - Metering
  - Leak repair
  - High efficiency fixtures

Since 1985, GEFA has awarded more than $200 million in loans specifically for reservoirs, wells, water system interconnections and water conservation projects.
Promoting Water Conservation

• **Water Stewardship Act (SB370)**
  - Calls on state agencies to promote voluntary water conservation.

• **GEFA Support**
  - More than $34 million in low-interest financing for water efficiency and conservation projects in the last five years.
  - Launching water audit and leak detection program for small systems.
  - **1 percent interest rate reduction for water conservation projects in Clean Water SRF, Drinking Water SRF and Georgia Fund.**
  - **1 percent interest rate reduction for WaterFirst communities.**
Water System Interconnection

• Detailed engineering study for emergency water supply planning
• 33 qualified systems in Metro District
• Main engineering tasks and study components:
  • Collect data and evaluate alternative water sources;
  • Evaluate emergency scenarios;
  • Evaluate ability of each systems to meet targets;
  • Conduct hydraulic studies to determine required improvements; and
  • Evaluate intergovernmental agreements and financing options.
• Complete study by September 1, 2011
Observations

- Most systems have various levels of redundancy
  - Two-thirds of systems have redundant raw water sources, pumps or reservoirs
  - Most systems have two or more WTPs, independent parallel treatment trains or provisions for purchasing water
  - More than 50 percent of WTPs have back-up generators
  - Many interconnections in place, both active and emergency
- Concerns about being mandated to do projects
- Close coordination with Metro District and EPD
Water Supply Program - Charge

- January 25 Executive Order
- Water Supply Task Force
  - GEFA
  - DNR and EPD
  - Dept. of Community Affairs
  - GA State Financing & Investment Commission
  - State Properties Office
  - Dept. of Agriculture
  - GA Soil and Water Conservation Commission
- Priorities for the Task Force
  - Develop a program strategy
  - Identify financing options, including leveraging private funds
  - Develop a project selection system
Water Supply Program - Structure

Water Supply Task Force
Chair - Kevin Clark, GEFA

Technology Subcommittee
Focus: technologies, locations and project evaluation
Membership: EPD, DNR, GEFA, Ag, GSWCC

Finance Subcommittee
Focus: how the GWSP financially supports projects
Membership: GEFA, GSFIC, DCA, SPO
## Governor's Water Supply Program Funding Sources

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current GEFA Reservoir and Water Supply Fund Assets</td>
<td>28,500,000</td>
</tr>
<tr>
<td>FY12 GO Bond appropriations for DCA for reservoirs</td>
<td>25,000,000</td>
</tr>
<tr>
<td>Planned GO Bond appropriations request to DCA for reservoirs FY13 - FY15 ($25M/yr)</td>
<td>75,000,000</td>
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<tr>
<td>FY12 GO Bond appropriations for GEFA for reservoir development</td>
<td>20,750,000</td>
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<tr>
<td>Planned GO Bond appropriations request to GEFA for reservoir development FY13-FY15 ($20.75M/yr)</td>
<td>62,250,000</td>
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<tr>
<td>GEFA Revenue Bond Sale Out of Reservoir Fund and/or GA Fund (to reach $300M)</td>
<td>88,500,000</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>300,000,000</strong></td>
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</tbody>
</table>

1. Planned GO Bond Appropriations requests for GEFA shown above in addition to baseline GA Fund ($20M/yr) and federal loan program match ($12M/yr)

2. GEFA’s assumed ability to generate sufficient revenue through bond issuance without additional GO bond appropriations is based on GSFIC/PRAG modeling assumptions. GEFA, GSFIC & PRAG are currently testing these modeling assumptions.
**Water Supply Task Force**

- **3/21/11** First WSTF meeting
- **4/29/2011** Subcommittee meetings
- **5/26/2011** Subcommittee meetings
- **6/23/2011** Subcommittee meetings
- **September** Second WSTF meeting
- **October** Third WSTF meeting
- **October** Submit water supply plan to Governor

**Water Supply Plan**

- **September** Second WSTF meeting
- **September** Publish draft plan (3 wks)
- **Take public comment** (3 wks)
- **October** Final working draft to Task Force
- **October** Submit water supply plan to Governor
- **Complete second draft** (2 wks)