Population Challenges

Percent Change in Population by U.S. Region 2010-2030

- United States: 17.7%
- Northeast: 3.4%
- Midwest: 4.6%
- South: 26.1%
- West: 27.7%
Waterborne Transportation Challenges

Forecast of U.S. Exports and Imports 2011-2042

Exports  Imports

Billions

$0  $2,000  $4,000  $6,000  $8,000  $10,000  $12,000  $14,000  $16,000

Waterways and Ports in Georgia

72,850 jobs

$11,800,000,000
The Savannah River Basin

Hartwell Dam and Lake
2088 sq miles

Richard B. Russell Dam and Lake
802 sq miles

J. Strom Thurmond Dam and Lake
2890 sq miles

Total Drainage Basin Area - 10,580 sq miles
Balancing Project Purposes

Flood Management
Hydropower
Navigation
Recreation
Fish and Wildlife
Water Quality
Water Supply

Flood Risk Management
Non-Drought
Mild Drought
Moderate Drought
Severe Drought
Catastrophic Drought

Full Pool
Drought Level 1
Drought Level 2
Drought Level 3
Drought Level 4
Savannah Harbor Expansion Project

$652 million

Deepen to 47 feet

$5.50 to $1

$174 million
Garden City Terminal Reaches Maximum TEU through-put Capacity in 2030

What SHEP Gives Us

TEU Projections

Garden City Terminal Reaches Maximum TEU through-put Capacity in 2030

2010: 2,700,000
2015: 3,500,000
2020: 4,100,000
2025: 5,000,000
2030: 6,500,000

*Projected value
Cost of Deepening Beyond Dollars
Cost of Deepening Beyond Dollars
Potential Alternative Funding & Finance
Bottom Line

- Regional population and trade will continue to grow
- Deeper harbors will allow the Southeast to service the larger vessels that are being used in world trade
- SHEP and other critical waterway projects are proven and cost effective
- Managing waterways is a complex process
- Population growth will put more demands on freshwater resources in the future