Rhode Island
Water Resources Board

Water Resource Management in Rhode Island

“It shall be the duty of the Water Resources Board to regulate the proper ***development, protection, conservation*** and ***use*** of the water resources of the State”

"The Rhode Island Water Resources Board…..will provide necessary balance in working toward the ***sustainability*** of Rhode Island's water resources"

"The water resources board is the state agency which manages the ***withdrawal and use*** of the waters of the state of Rhode Island"

How do we meet the goals of the Board…to regulate the development, protection, conservation and use of the water resources of the state?

Rhode Island General Laws

46-15, 46-15.1, 46-15.2, 46-15.3,
46-15.4, 46-15.5, 46-15.6, 46-15.7, 46-15.8, etc..

Rules and Regulations

Water Use and Efficiency Act
Water Supply System Management Plan
Emergency Interconnection Program
Water Development Fund
Big River Management Area Policies
Water Facilities Assistance Program
Water Quality Protection Charge

So what really makes the Water Resources Board "***work***"?

Board Members

Pamela Marchand – Chair
Ronnie Gibson – Vice Chair
James Pagliarini
Eugenia Marks
Sheila McGauvran
Michael DeFrancesco
Jessie Rodriguez
Susan Licardi
Peter Cottrell
Daniel O'Rourke
Janet Coit (RIDEM)
Marcel Valois (RIEDC)
Kevin Flynn (Planning)
Michael Fine (RIDOH)

Board Committees

Legislation and Policy

Technical

Finance

How does the Board ensure that their work integrates with other State agencies and divisions?

RIEDC
Rhode Island
Economic Development Corporation

Questions at this point?

How do we identify the major issues that face the WRB right now?

WRB Strategic Planning Initiative

(adopted March 2012)

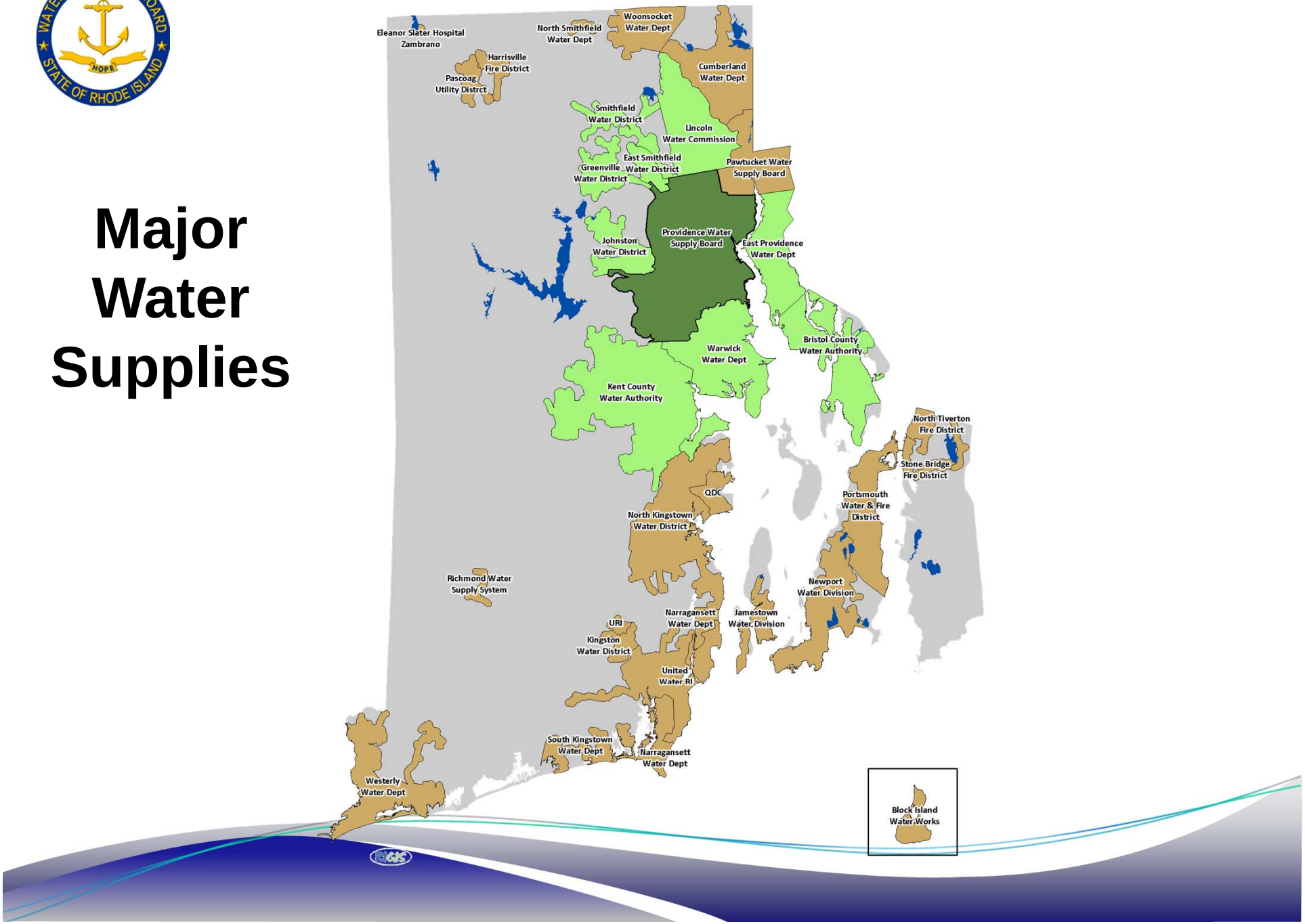
Dynamic Strategic Planning Process

Innovative - Solution Oriented - New Ideas

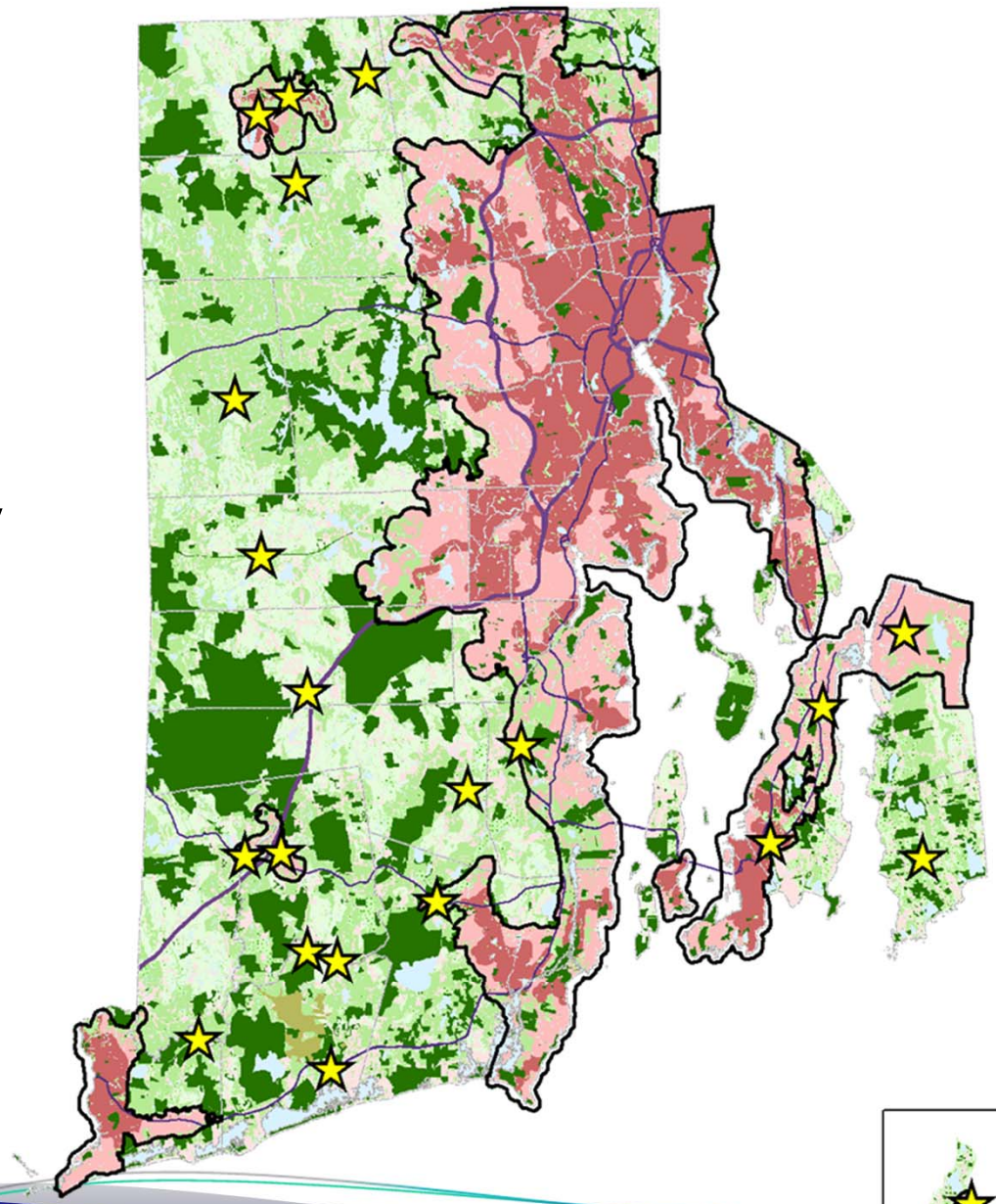
Planning process was driven by a ***See-Think-Do*** process to develop alternatives: Used information of known supply infrastructure, hydrologic conditions, and growth patterns to develop reasonably available alternatives

Result: Development of 20 supply and demand initiatives

Major Water Supplies



Urban Services Boundary



Questions and Results:

1- How much Water is there? (May 5, 2011)

2,000 MGD (average)

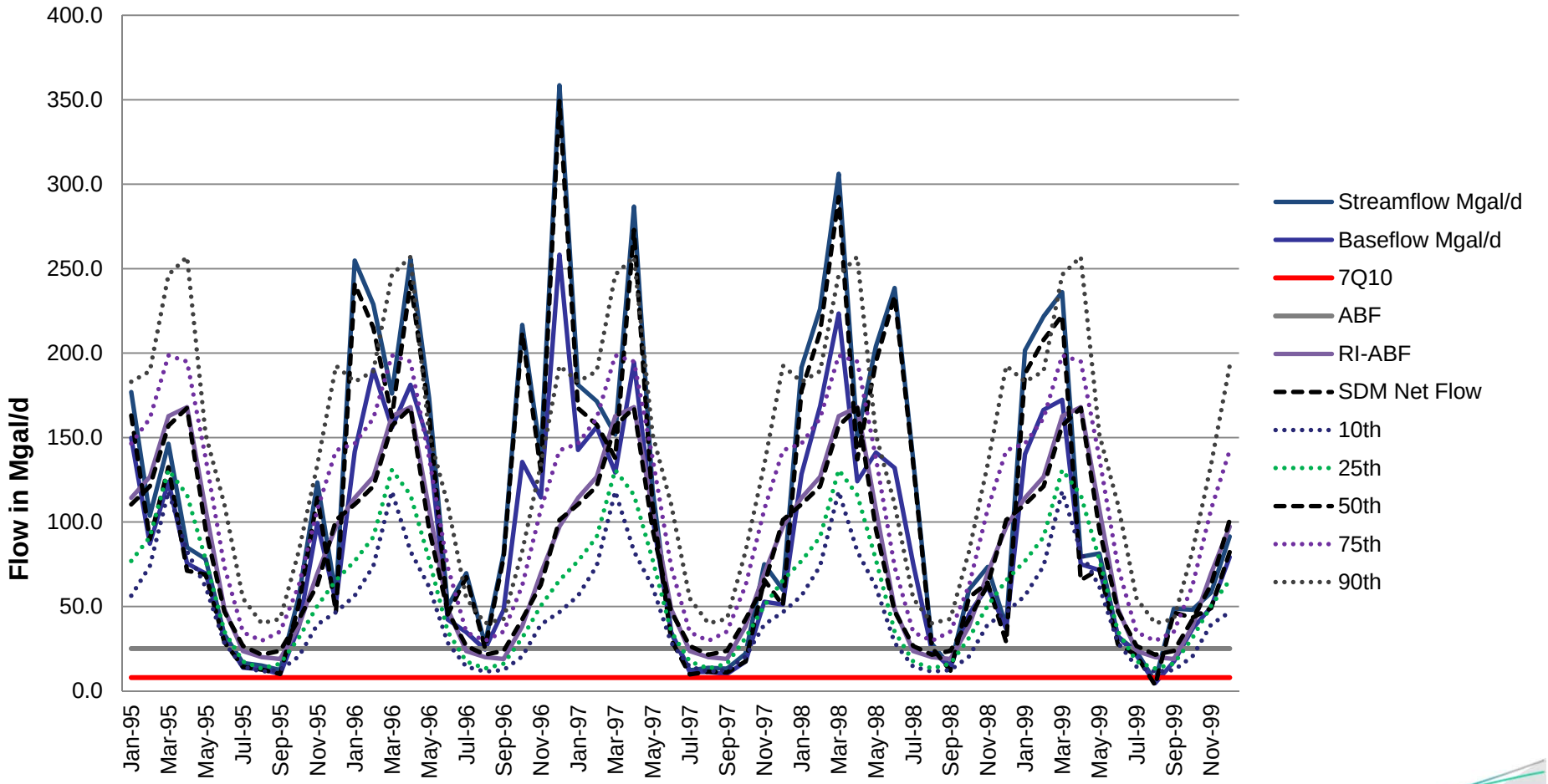
2- How much Water are we using? (June 2, 2011)

134 MGD (average), ***180 MGD*** (peak)

3- How much Water do we need? (July 14, 2011)

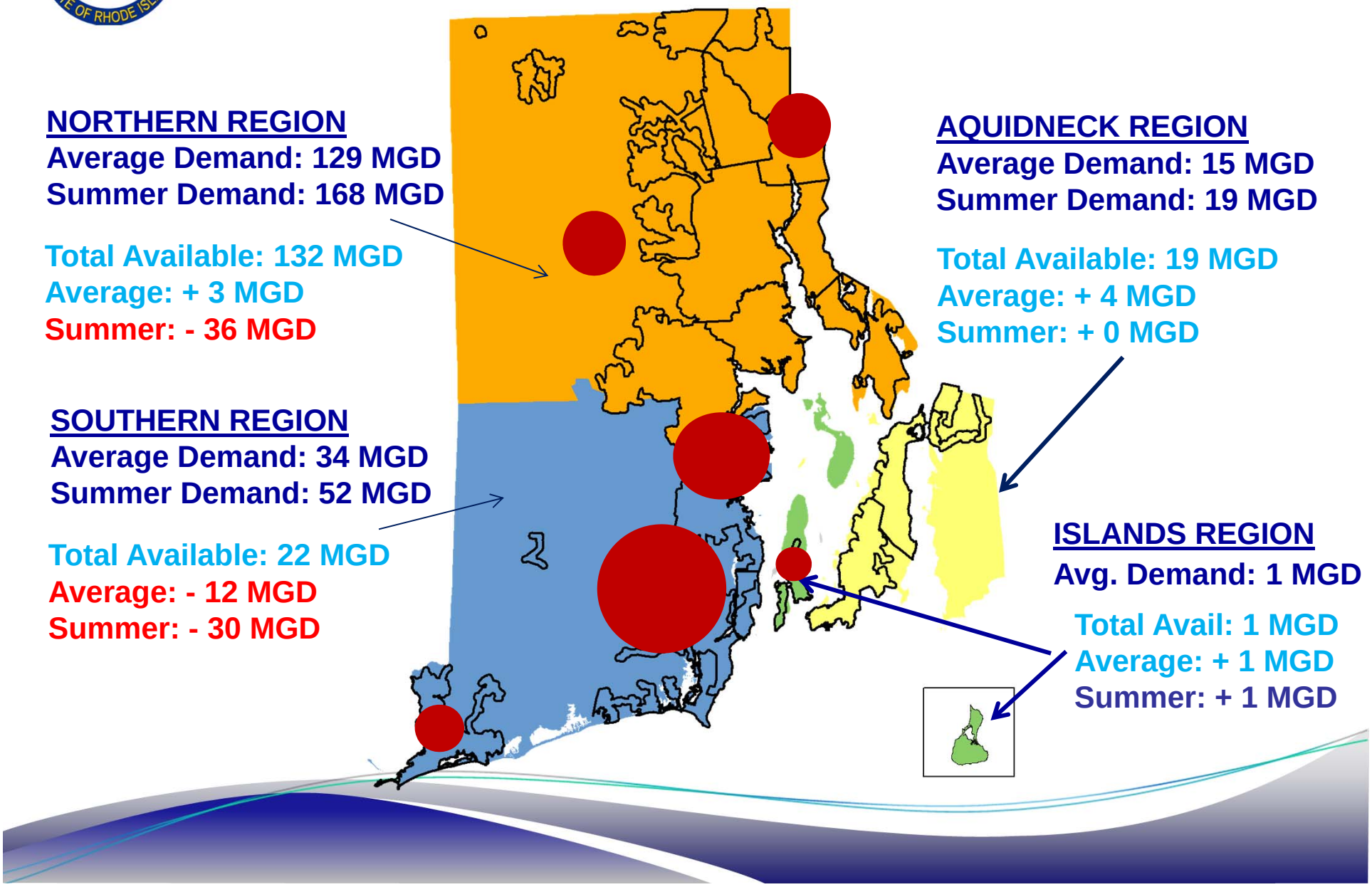
Need to Quantify Demand….

Groundwater Supply Analysis



Demand Analysis

Build-out Availability Results



NORTHERN REGION
Average Demand: 129 MGD
Summer Demand: 168 MGD

Total Available: 132 MGD
Average: + 3 MGD
Summer: - 36 MGD

SOUTHERN REGION
Average Demand: 34 MGD
Summer Demand: 52 MGD

Total Available: 22 MGD
Average: - 12 MGD
Summer: - 30 MGD

AQUIDNECK REGION
Average Demand: 15 MGD
Summer Demand: 19 MGD

Total Available: 19 MGD
Average: + 4 MGD
Summer: + 0 MGD

ISLANDS REGION
Avg. Demand: 1 MGD

Total Avail: 1 MGD
Average: + 1 MGD
Summer: + 1 MGD

That's Great! Now what?

- Develop **Short Term** Management Options
  - Develop **agricultural efficiency programs**
  - Develop **appliance and fixture rebate program**
  - Develop peak use **education program**

- Develop **Long Term** Management Options
  - Develop Regional Water Management Plans
  - Develop new sources of supply

- For both Short and Long Term
  - Develop Declaration for exceedance of Safe Yield
  - Develop appropriate management tools for State agencies, Municipalities, Water Suppliers and farmers


SAVE
WATER
THIS SUMMER