

# VISIONING SUSTAINABILITY – HAMPTON ROADS VIRGINIA

7<sup>th</sup> Mid-Atlantic Regional Planning Roundtable

John M. Carlock, AICP

HRPDC Deputy Executive Director

October 1, 2010



# WHAT IS THE HRPDC

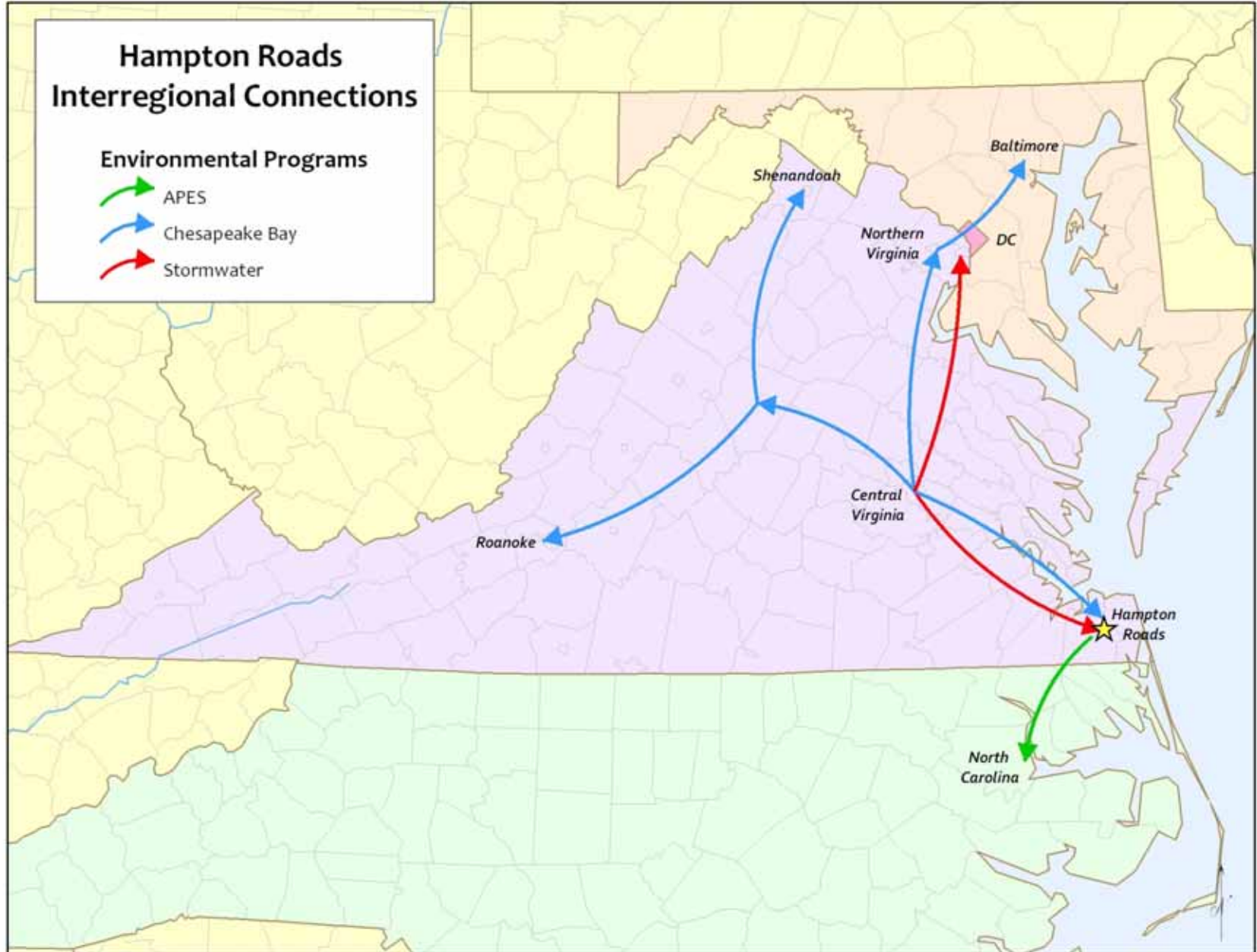
- ◆ 1 of 21 Regional Planning Agencies
- ◆ State enabled; locally created
- ◆ Commission – 45 members: 29 Elected; 16 CAO
- ◆ Staff – Executive Director & 45 staff
- ◆ Technical Advisory Committees
- ◆ Functions – Economics, Housing, Emergency Management, Regional Planning, Water Resources, Public Information/Community Affairs, Transportation
- ◆ Budget – \$11,000,000 +/-
- ◆ Functions – Policy and Technical Analysis, Planning and Engineering Studies, Cooperative Problem Solving, Coordination



## Hampton Roads Interregional Connections

### Environmental Programs

- APES
- Chesapeake Bay
- Stormwater



# ENVIRONMENTAL CHARACTERISTICS

- ◆ Area – 3,000 square miles
- ◆ Shoreline – 5,000 miles (Tidal and Nontidal)
- ◆ Wetland Acreage – 417,000 acres (est.)
  - Potentially 1/3 of land on Southside Hampton Roads
  - More than any other region
- ◆ Rare and Endangered Species – 40 plus in Southern Watershed of Chesapeake and Virginia Beach alone
- ◆ Water Resources - tidal estuaries, drinking water reservoirs, free flowing streams



# INSTITUTIONAL CHARACTERISTICS

## ◆ Public Management Agencies

- Water Supply – 14 public systems
- Wastewater – One regional treatment & 14 contributing local collection systems. Also, several small systems
- Stormwater – 12 MS4 – Permitted localities
- Solid Waste – Two regional agencies & 16 local collection systems

## ◆ Regulatory

- Federal – One COE District and one federal region
- State – Several agencies and regional offices with overlapping, inconsistent boundaries



# REORGANIZATION - 2008

- ◆ Hampton Roads Planning District Commission
- ◆ Hampton Roads Transportation Planning Organization
- ◆ Separate Boards – Both Staffed by HRPDC



# HAMPTON ROADS TRANSPORTATION PLANNING ORGANIZATION (HRTPO)

## HRTPO ORGANIZATION

### ◆ VOTING MEMBERS

- ◆ Local Elected Officials
  - 13 Cities/Counties
- ◆ General Assembly
  - 2 Senators/2 Delegates
- ◆ Transit Agencies
  - HRT & WATA
- ◆ State Agencies
  - VDOT & VDRPT
- ◆ Virginia Port Authority

### ◆ NON-VOTING MEMBERS

- ◆ Local Admin. Officials
  - 13 Cities/Counties
- ◆ Federal Agencies
  - FHWA. FTA. FAA
- ◆ Virginia Department of Aviation
- ◆ Local Airports
  - Norfolk & Peninsula
- ◆ Citizens TAC
- ◆ Freight TAC
- ◆ Military Liaisons



# WHERE HAVE WE BEEN?

## REGIONAL PLAN



# REGIONAL RESPONSE TO ISSUES

- ◆ Technical Advisory Committees – Local, State, Federal & Interest Groups
- ◆ Technical Studies
- ◆ Legislative & Regulatory Participation
- ◆ Educational Programs
- ◆ Memoranda of Agreement/Understanding
  - HR Regional Sustainability Consortium
  - Southern Watershed Special Area Management Program (SWAMP)
  - Water Supply Planning
  - Ground Water Mitigation
  - Stormwater Management
  - SSO Consent Order Implementation
  - FOG Management (Pending)



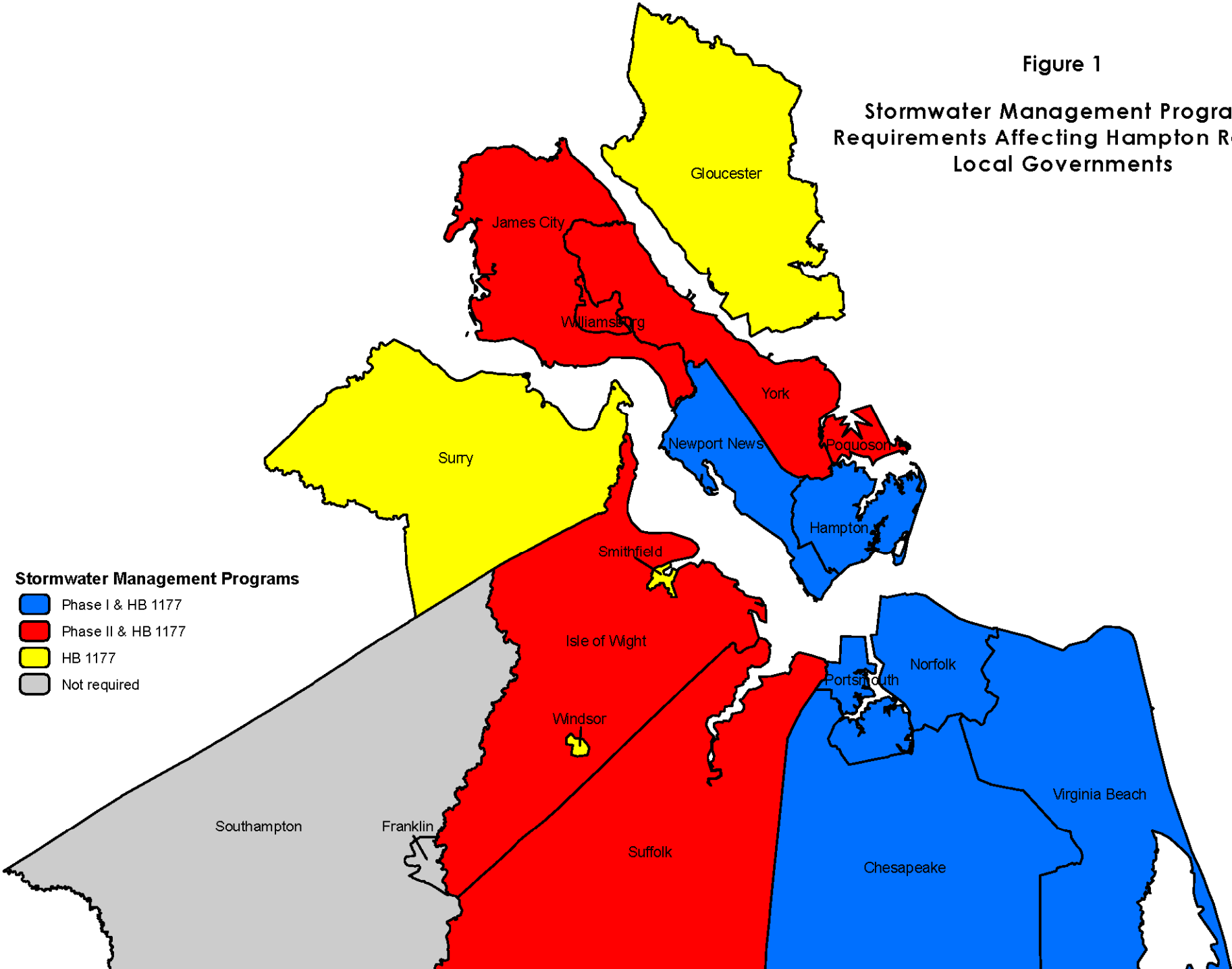
# WHAT TOOLS ARE AVAILABLE/DEVELOPING?

- ◆ Regional Cooperative Approaches
- ◆ Institutionalized Committee Process
  - Directors of Utilities
  - Regional Stormwater Management
  - Hampton Roads Chesapeake Bay
  - HR GREEN – Educational Committees
  - Regional Emergency Management
- ◆ Technical Tools
  - Water Resource Modeling
  - Geographic Information Systems
  - Monitoring Programs
  - Regional Education Programs
  - Benchmarking Studies

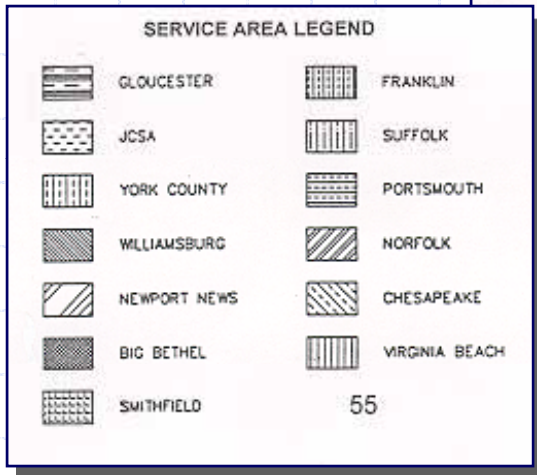


Figure 1

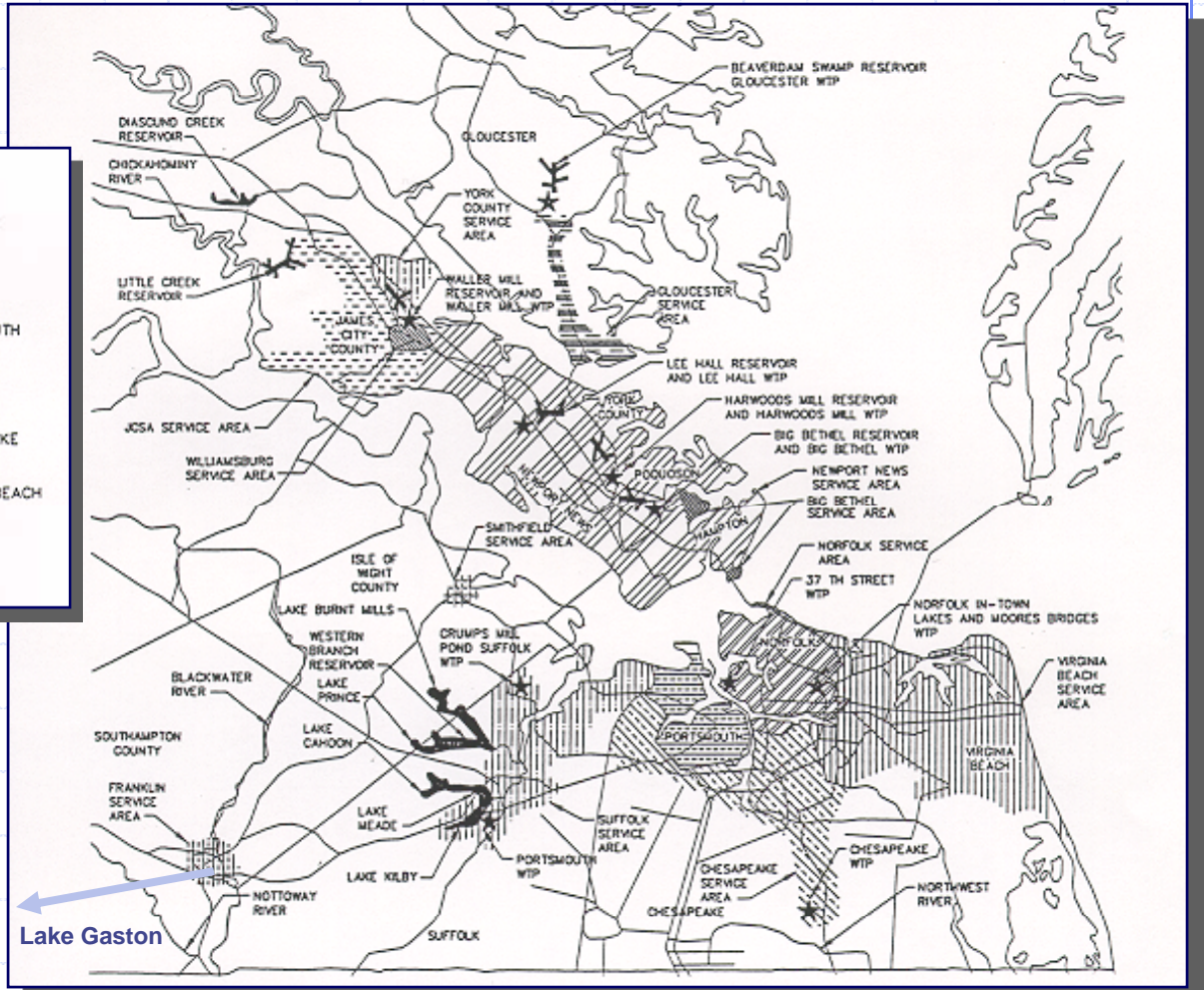
Stormwater Management Program Requirements Affecting Hampton Road: Local Governments



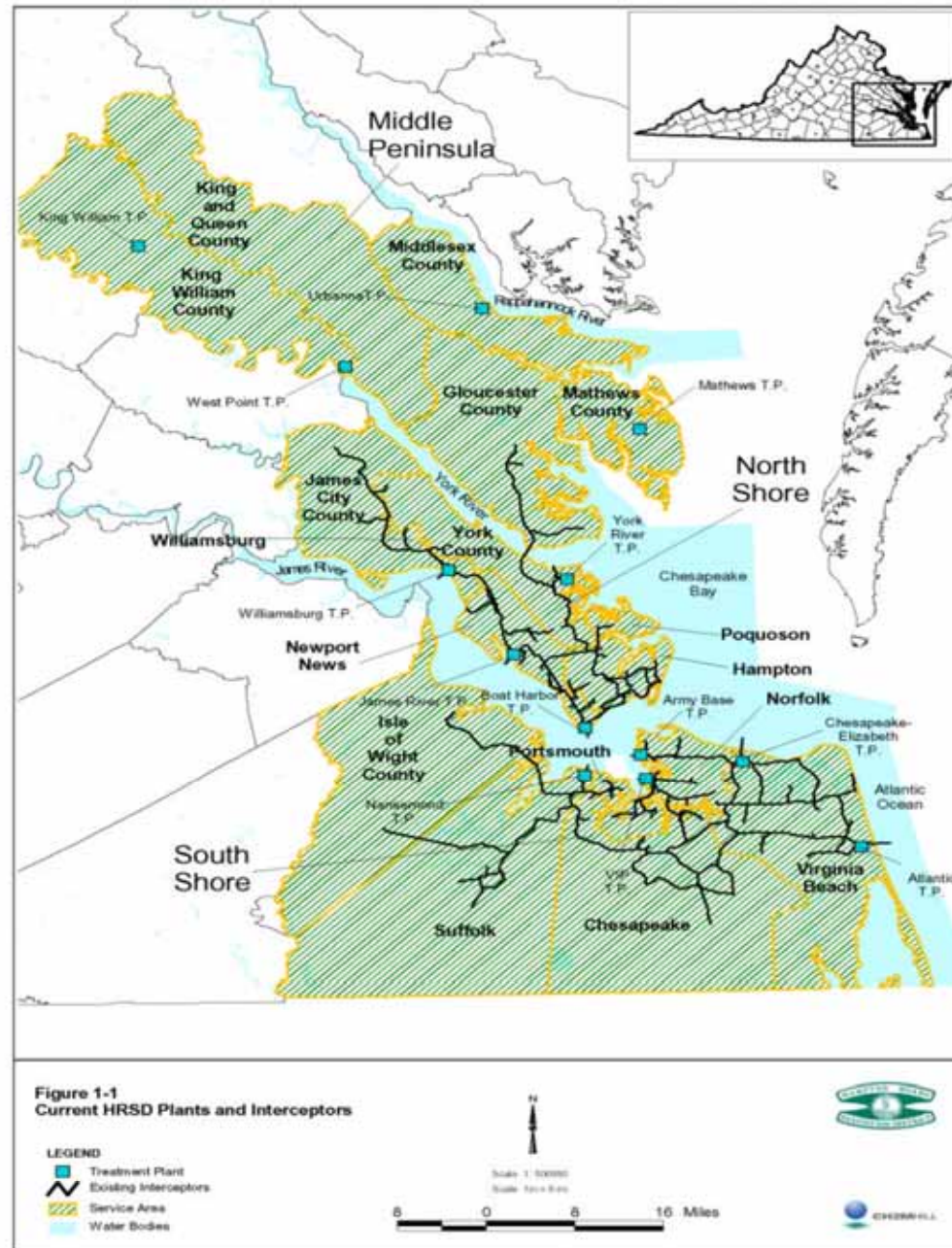
# HAMPTON ROADS PUBLIC WATER SYSTEMS



SCALE:  
1" = 8 MILES APPROX



# REGIONAL WASTEWATER SYSTEM



# REGIONAL GREEN INFRASTRUCTURE

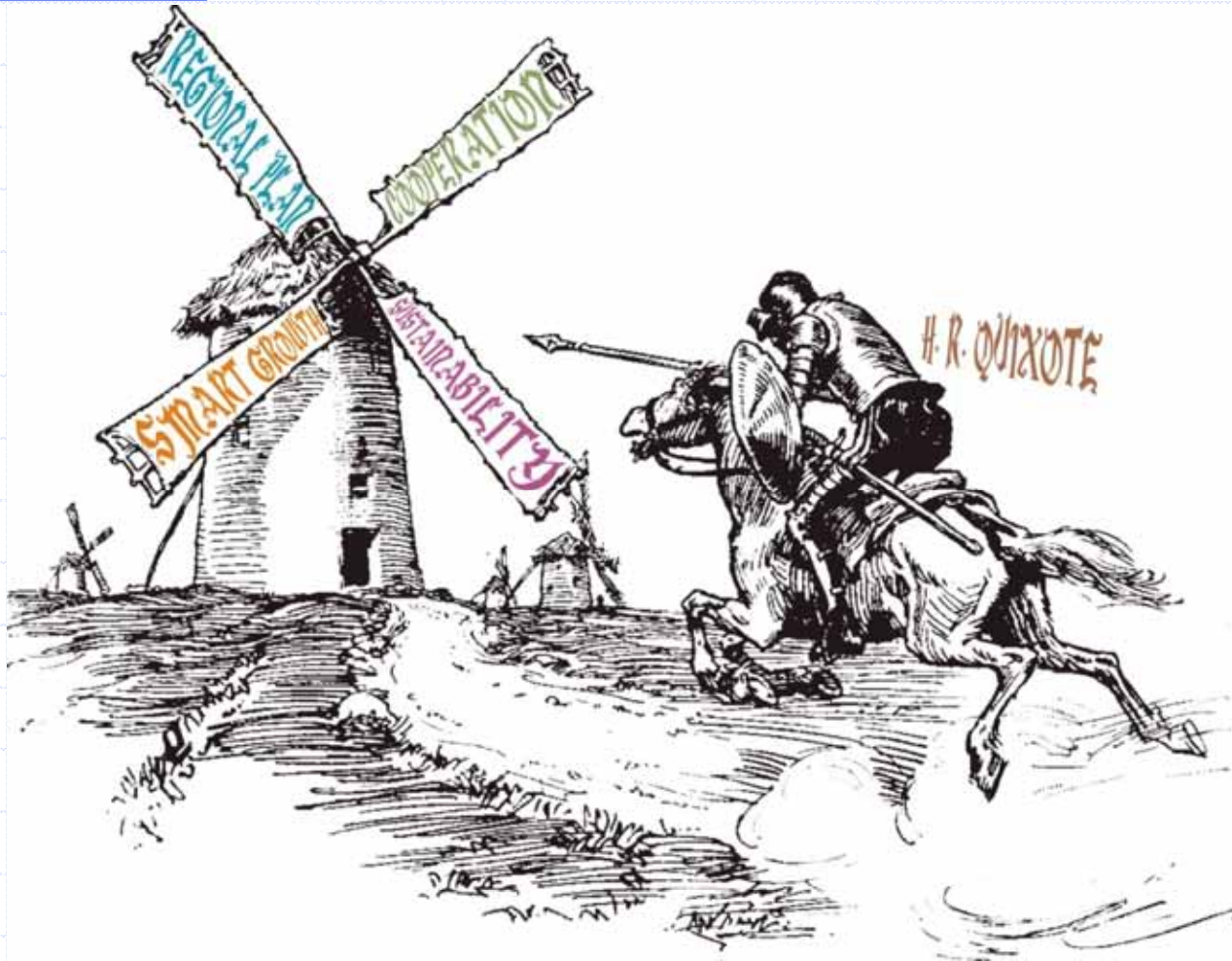


# OTHER REGIONAL PLANNING INITIATIVES

- ◆ Southern Watershed Special Area Management Program (SWAMP)
- ◆ Smart Growth Analysis
- ◆ Hampton Roads Joint Land Use Study
- ◆ Regional Coastal Zone Management Program
- ◆ Local Government Comprehensive and Watershed Management Plans
- ◆ Ad-Hoc Regional Planners Forum



# WHERE ARE WE GOING?



# Basis for Sustainability Program

## ◆ Regional Challenges

- Sea level rise/climate change
- Housing affordability
- Transportation
  - ◆ Congestion
  - ◆ Accessibility
  - ◆ Mobility
- Water quality
- Air quality
- Land Conservation

# Basis for Sustainability Program

(continued)

## ◆ Regional Opportunities

- Increased regional cooperation
- Integrated planning for housing, environment, transportation, and land use
- Build on current regional planning efforts
  - ◆ Long-Range Transportation Planning
  - ◆ Infrastructure Plans – Water, Wastewater, Stormwater
  - ◆ Regional Green Infrastructure Plan
  - ◆ Comprehensive Economic Development Strategy: “Vision Hampton Roads”

# Proposed Regional Sustainability Program

## ◆ Advisory Group Comments:

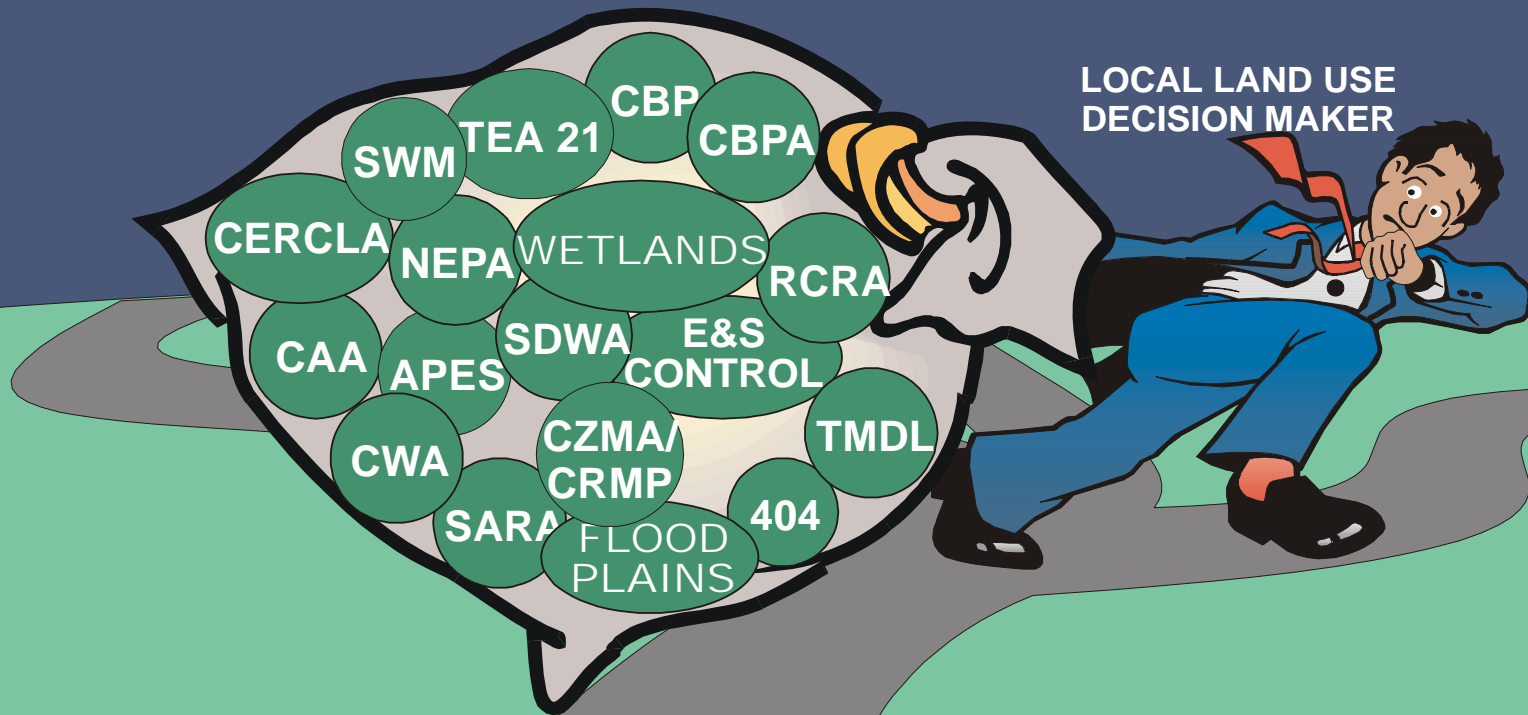
- Integrate planning for housing, environment, transportation, and land use
- Analyze various regional growth scenarios
- Identify common goals and principles: “Regional Planning Principles”
- Complement existing plans and efforts such as “Vision Hampton Roads”
- Provide technical support for local planning efforts
- Incorporate strong public involvement program

# CONCLUSIONS

- ◆ Effective regional planning and management requires:
  - *Educated Public*
  - *Sound Technical Information*
  - *Informed Decision-Making*
- ◆ Hampton Roads Regional Programs are a continuing, cooperative, comprehensive and cost-effective approach.
- ◆ Existing Programs provide sound basis for new Sustainability Program.



# ROAD TO SUSTAINABLE GROWTH



# QUESTIONS ?

For further information, contact

John M. Carlock, AICP

Deputy Executive Director

Hampton Roads Planning District Commission

757-420-8300 [jcarlock@hrpdcvva.gov](mailto:jcarlock@hrpdcvva.gov)

