



Climate Change Activities and Regional Coordination

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WRTC 5/3/2013
Agenda Item #II

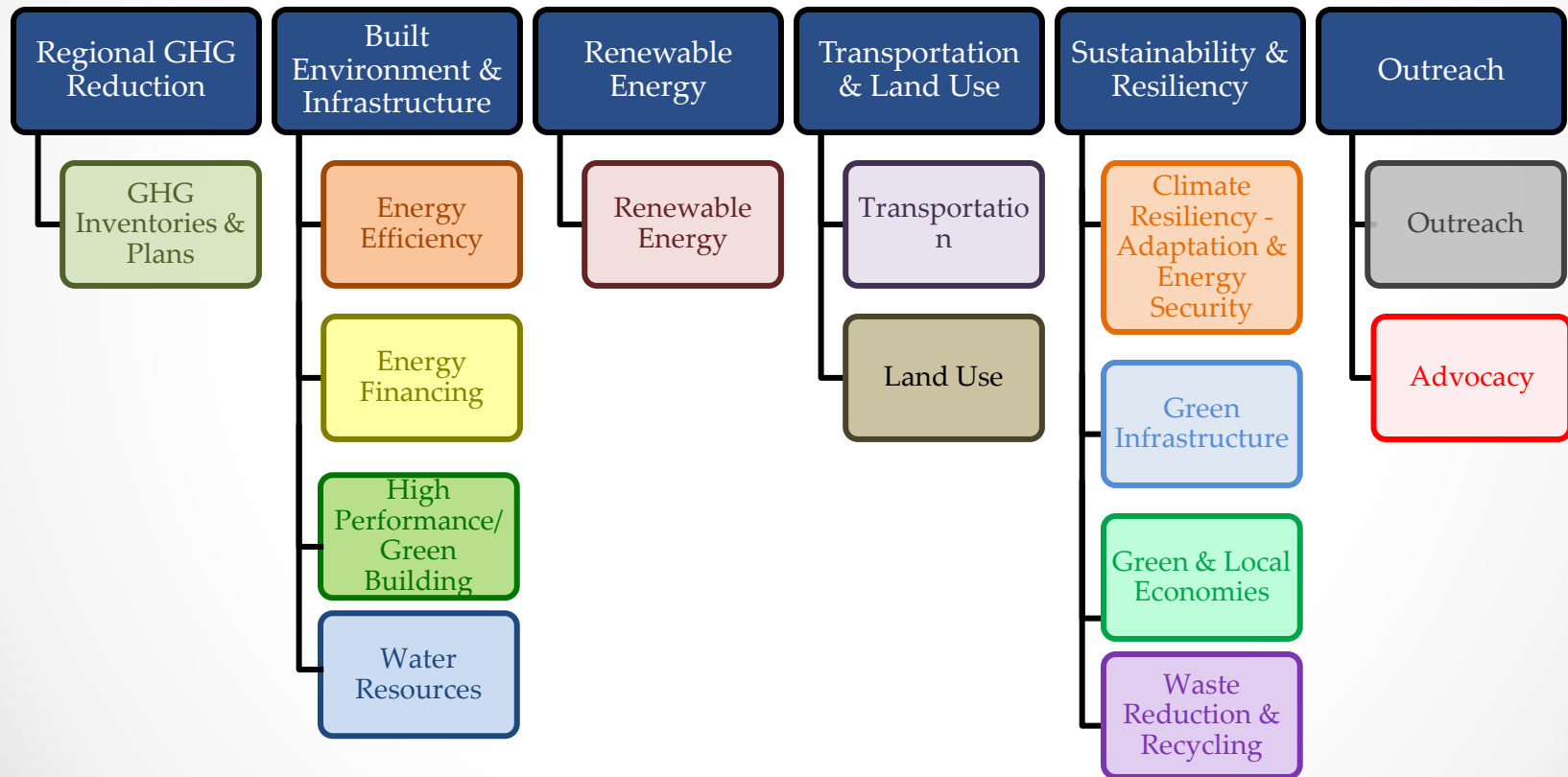


Outline

1. CEEPC Water Utility Survey Results
2. National Climate Assessment comments
3. Joint Chesapeake Bay Policy Committee (CBPC) and Climate, Energy, Environment Policy Committee (CEEPC) meeting



2013–2016 Action Plan Categories





CEEPC Survey Results Received

- √ Alex Renew
- √ PWCSA
- √ UOSA
- √ WAD
- √ WSSC



Of the 5 respondents:

- ✓ 4 completed a greenhouse gas inventory
- ✓ 2 implemented energy efficiency/ alternative/ renewable energy projects
- ✓ 2 are assessing their vulnerability to climate change ('in progress')
- ✓ 1 implemented an employee sustainability program



Prince William County Service Authority

- ✓ Conducted an energy study; evaluating alternatives
- ✓ New Public Education Building will be a green building
- ✓ Uses reclaimed water for irrigation





WSSC

- ✓ Developed a Greenhouse Gas Action Plan and Strategic Energy Plan
- ✓ Wind and Solar Energy Programs

**In 2011, 28% of
WSSC's
electricity came
from wind
power**





Alexandria ReNEW

- ✓ Target: reduce greenhouse gases 20% by 2020
- ✓ Assessing impacts of climate change when upgrading facilities
- ✓ Operations and process enhancements to reduce energy use
- ✓ Employee transit benefits; alternative fuel fleet vehicles

ReNEW's digester produces enough gas to heat 793 homes a year





Washington Aqueduct

- ✓ Participated in Army Corps of Engineers Greenhouse Gas Accounting system
- ✓ Completed an energy audit and is working to implement an Energy Savings Performance Contract (ESPC) to install recommended energy conservation measures.
- ✓ Purchases 7.5% renewable energy through a GSA contract





UOSA

- ✓ Conducted an energy audit in 2008 that identified Energy Conservation Measures to be implemented
- ✓ Currently constructing a digester gas-fueled CHP system
- ✓ Established a Sustainability Policy





Water Resources comments

- Effectively described climate in context of other demands on water infrastructure
- More emphasis needed on integrated planning to achieve multiple objectives
- Need for regional data

<http://ncadac.globalchange.gov/>



Thirteen Agencies, One Vision: Empower the Nation with Global Change Science



Possible Topics

Introductions

1. Around the room introductions
2. The Energy/Water/Climate Nexus
3. Overview of CBPC/WRTC work priorities
4. Overview of CEEPC work priorities



Possible Speaker Topics

- Energy Efficiency and Renewable Energy at Water Utilities
- SouthWest Ecodistrict or DOD NetZero initiative
- Microgrids and district energy & water
- Green Streets
- Tree Canopy report
- Climate impacts
- Other?