

Recommendations on Proposed Coal-Fired Power Plant in Wise County, Virginia

Honorable Nancy Floreen

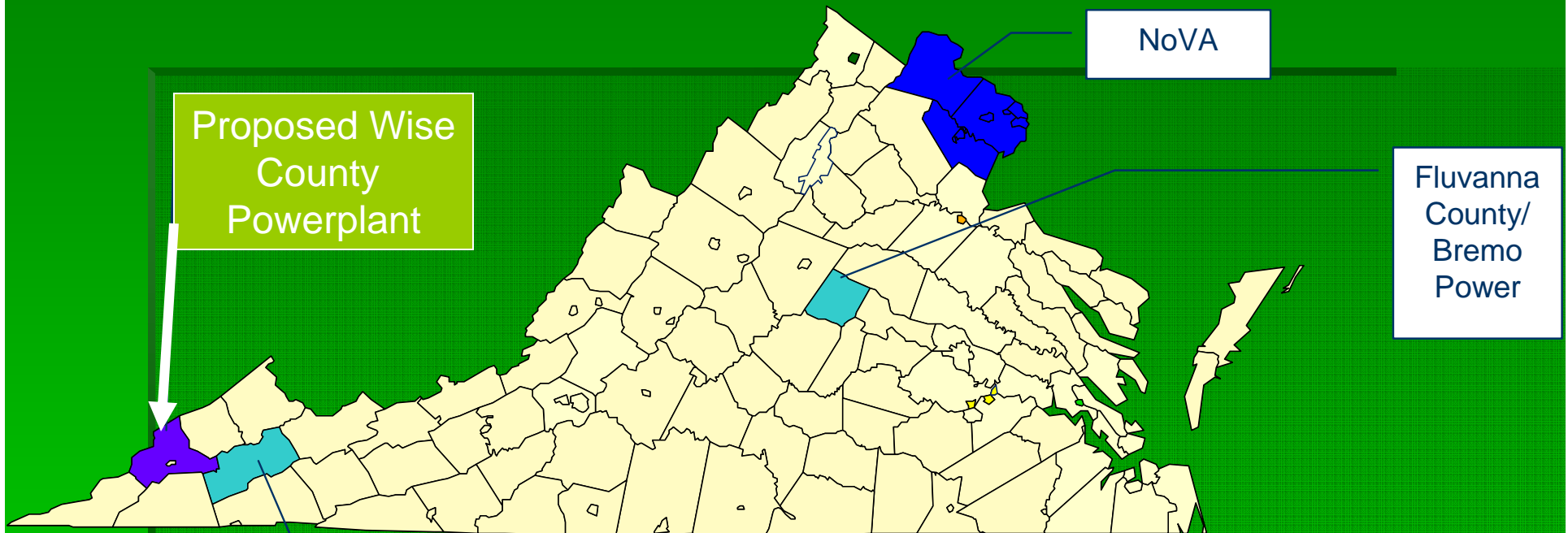
Chair

COG Climate Change Steering Committee

March 11, 2008



Location map



Proposed Wise
County
Powerplant

NoVA

Fluvanna
County/
Bremo
Power

Russell
County/ AEP
Clinch River

Scale: 1" ~ 53 miles



Background

- 2004: Va. legislature passed SB651
 - Provided incentive for coal-fired powerplant using Va. coal in SW Virginia
 - Dominion proposed Virginia City Hybrid Energy Center in 2006 to meet legislative goal
 - Uses “clean coal fluidized bed technology”
- Energy output – 668 MW
 - Dominion total additional “need” through 2017 – 4000 MW
- Cost - \$1.8 billion
- Dominion filed for AQ permit for facility 7/7/07
 - DEQ public comment period 1/12-3/12/2008
- Proposed start: 2012
- Dominion also proposed to convert its Bremo coal-fired plant to natural gas if Wise plant is approved.

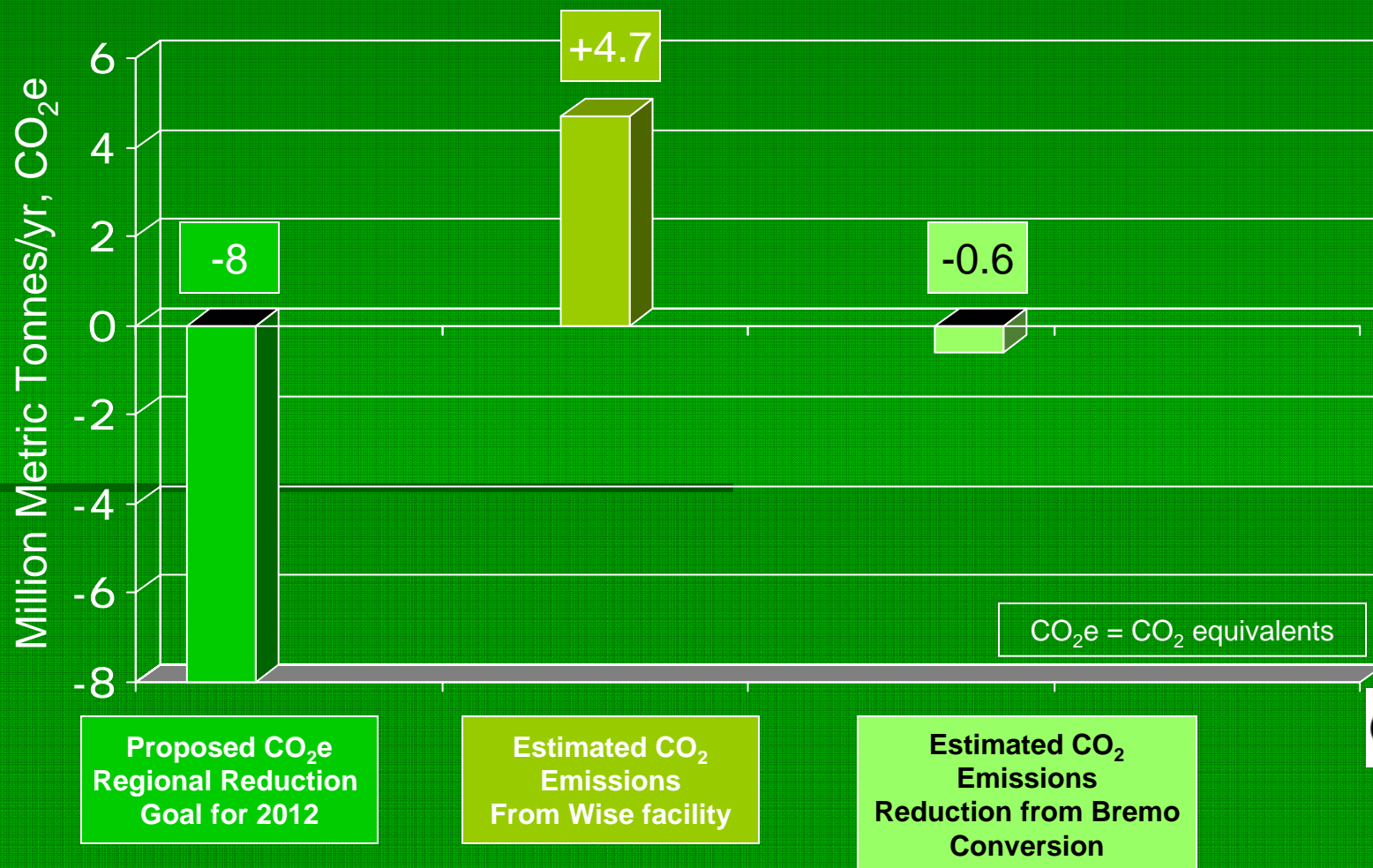


Climate Change Steering Committee Review

- Concerns raised by Fairfax Chairman Gerry Connolly to CCSC
 - No alternatives' analysis
 - Very significant CO₂ generation with potential to offset efforts to reduce greenhouse gases in Washington region
- Air quality transport impacts on Washington region
 - Addressed by MWAQC 3/7/2008



Potential CO₂ Impacts



MWAQC Actions 3/7/08

- Adopted regional AQ plan for PM 2.5
- Adopted comment letter to Va. DEQ
 - Seeks further analysis of potential air quality impacts on Washington region
 - Notes that AQ impacts of Wise facility emissions on Washington region were not assessed
 - Commends Dominion for proposal to convert Bremo facility from coal to natural gas.
 - Raises concerns about greenhouse gas emissions and potential for lessening benefits of Washington region actions
 - Seeks thorough alternatives' analysis to coal-fired plant



COG Board Resolution R14-08

- Raises concerns about CO₂ impacts of proposed facility
- Seeks thorough analysis of alternatives to coal-fired facility prior to permit issuance
 - Renewable energy
 - Energy conservation
- Convey technical analysis to Va. DEQ

