

US EPA ARCHIVE DOCUMENT

EPA's Analysis on Projected Energy Impacts of Existing State EE/RE Policies

Niko Dietsch

U.S. EPA State Climate and Energy
Program

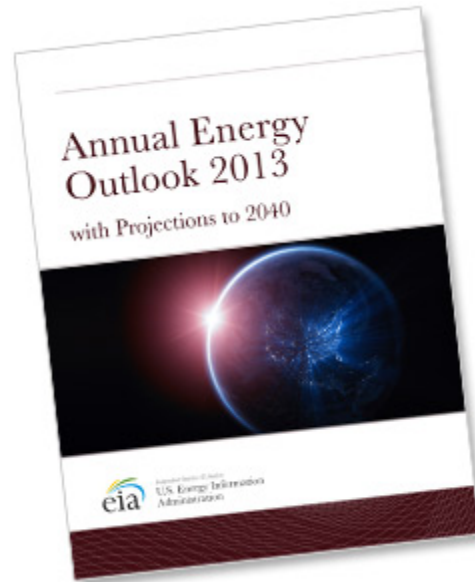




Projected Energy Impacts of State EE/RE Policies - DRAFT

- States are increasingly examining the role of EE/RE policies in their NAAQS SIPs
- To help these states with quantification, EPA is:
 - Updating the projected energy impacts of state EE/RE policies that are not explicitly included in AEO2013
 - See: <http://epa.gov/statelocalclimate/state/statepolicies.html>
 - Issuing a methodology document describing EPA's approach and data sources
- State air agencies use this information to:
 - Develop a revised baseline electricity sales forecast that reflects EE/RE policies
 - Quantify resulting emissions reductions
 - Include these reductions in SIP submittals for O₃ and other criteria pollutants
 - Jurisdictions not preparing a SIP can use these resources to identify whether EE/RE can help them stay in attainment

EE/RE Policies In/Out of AEO2013



- These policies are the ***focus for EPA's analysis***
- Policies must be adopted in state legislation or PUC order

EE/RE Policies Explicitly Included in AEO 2013

- Federal appliance standards
- State building codes
- Direct federal spending on EE
- Renewable portfolio standards (RPS) – 29 states and DC as of Nov '12

EE/RE Policies NOT Explicitly Included in AEO 2013

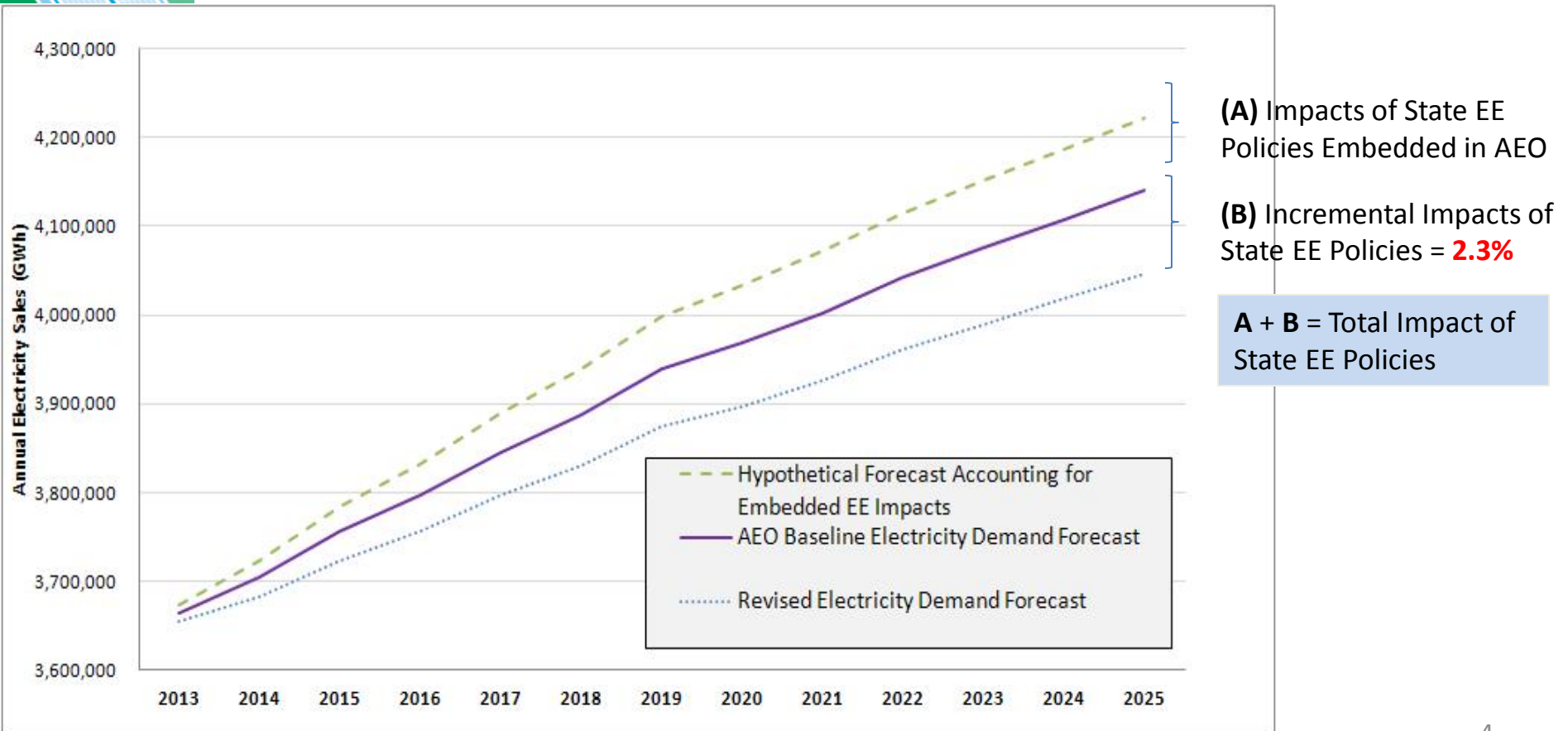
- Energy Efficiency Resource Standards (EERS) – 25 states
- Other EE program funding (in states without EERS policies) – 5 states
- Renewable Portfolio Standards (RPS) – 2 states between Dec '12-Jun '13



State EE Policy Effects on the AEO2013 National Forecast



- Chart shows cumulative impacts of state EE policies in 2025, relative to AEO2013 (incremental and embedded)
- Incremental impacts are 2.3% of electricity sales in 2025





Review Questions

- We need your input:
 - Are your state's EE/RE policies accurately described?
 - Does EPA's overall approach to projecting EE/RE impacts policies make sense?
 - Are there uncertainties or issues which are not addressed?
 - Are the results presented in a clear and understandable way?
 - Do you have other comments not addressed here?
- ***Comments due April 1st***

