



Wind Power's Role in the Clean Power Plan's Clean Energy Incentive Program

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About

- The Southern Wind Energy Association (SWEA) is an industry-led initiative that promotes responsible use and development of wind energy in the South.
- Our vision is for wind energy to become a leading source of energy in the South
- SWEA's geographic region covers eleven Southeastern states



Overview

- Wind Energy Review
- Review of CEIP
- Wind Options for CEIP
- Timelines



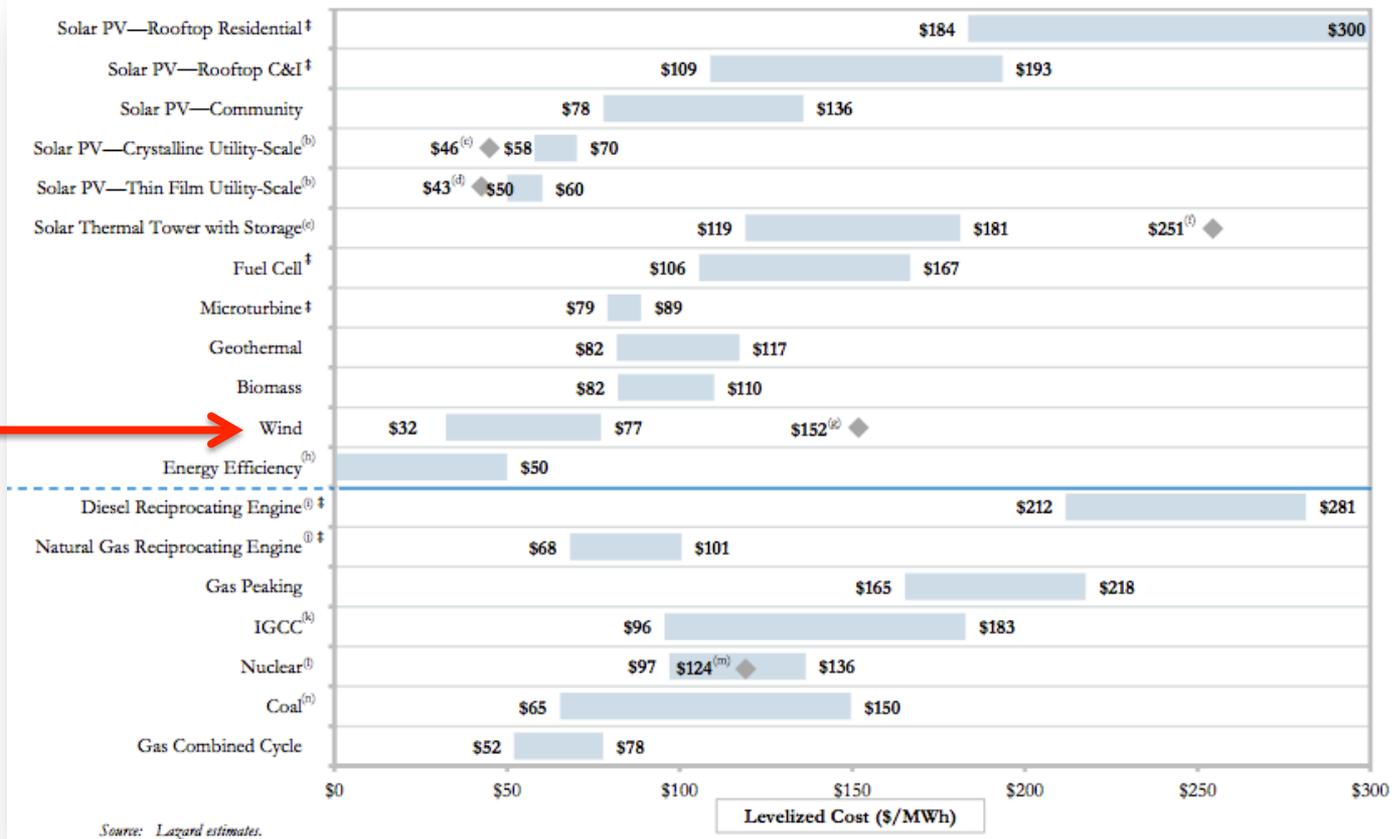
Imported Wind Energy Resources

Utility	Year Delivered	Capacity (MW)
Alabama Power	2012	404 MW
Arkansas Electric	2014	309 MW
Georgia Power	2016	250 MW
Gulf Power	2016	178 MW
SWEPCO	2011-2013	469 MW
TVA	2010-2012	1,515 MW

1 MW = ~300 Homes

3,125 Megawatts of Imported Wind Energy Resources

Unsubsidized Levelized Cost of Energy Comparison



Unsubsidized Levelized Cost of Wind Energy in 2014:
\$32-\$77/MWh

Source: Lazard Associates 2015



Production Tax Credit

- Extended December 2015
- For projects that commence construction
 - \$23/MWh before January 1, 2017
 - Reduced by 20% in 2017
 - Reduced by 40% in 2018
 - Reduced by 60% in 2019



CEIP Review

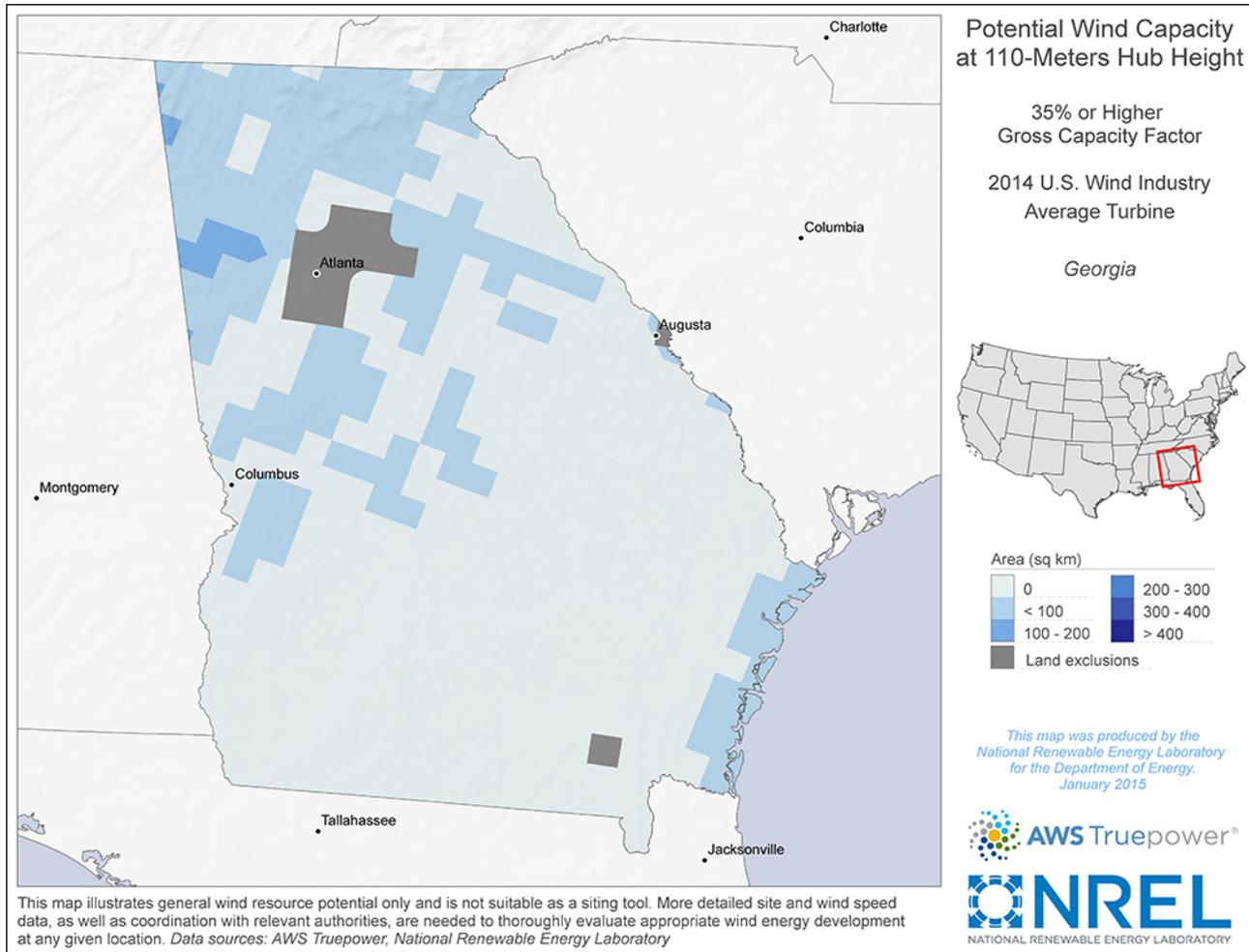
- Are located in or benefit a state that has submitted a final state plan that includes requirements establishing its participation in the CEIP
- Are implemented following the submission of a final state plan to the EPA, or after September 6, 2018, for a state that chooses not to submit a complete state plan by that date
- For RE: Generate metered MWh from any type of wind or solar resources
- Generate or save MWh in 2020 and/or 2021

For every two MWh generated, the project will receive one early action ERC...from the state, and the EPA will provide one matching ERC...to the state to award to the project

...a state must include in its initial submittal a non-binding statement of intent to participate in the program.

Any matching allowances or ERCs that remain undistributed after September 6, will be distributed to those states with approved state plans...

In-State Resources



Source: Department of Energy, 2014

High Voltage Direct Current (HVDC) Resources

Plains and Eastern Clean Line

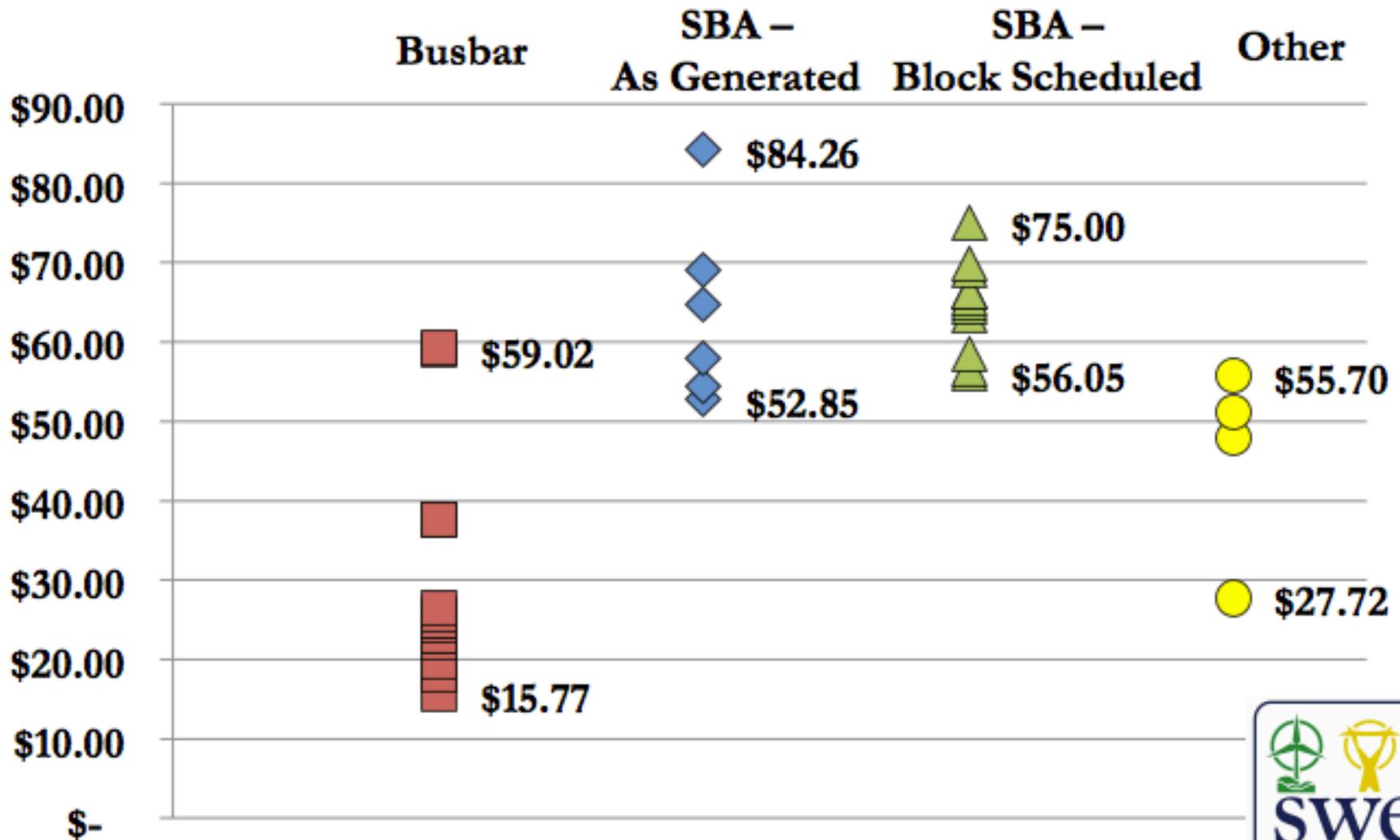


High Voltage Direct Current (HVDC) Resources

Pattern Energy Southern Cross



Georgia Power Wind RFI Results



Source: Georgia Power RFI 2015



Timelines

Clean Power Plan



Project Selection



Project Milestones



For Illustrative Purposes Only

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