

States Advancing Wind Upcoming Webinars

- **Webinar #3 on 9/14: How public officials can objectively assess the visual effects of wind development**
- **Webinar #4 on 10/5: Effective state approaches to regulating/siting wind development**

NOTE: Briefing papers on each webinar topic area, recordings of webinars, details on upcoming webinars, and background material may be found on the States Advancing Wind website:

www.cleanenergystates.org/JointProjects/wind.htm

Today's Agenda

1-1:10: Welcome, Overview, and Introductions

Charles Kubert, Clean Energy States Alliance

1:10-1:30: Financing Community and Distributed Wind Projects: Possible State Role

Charles Kubert, Clean Energy States Alliance

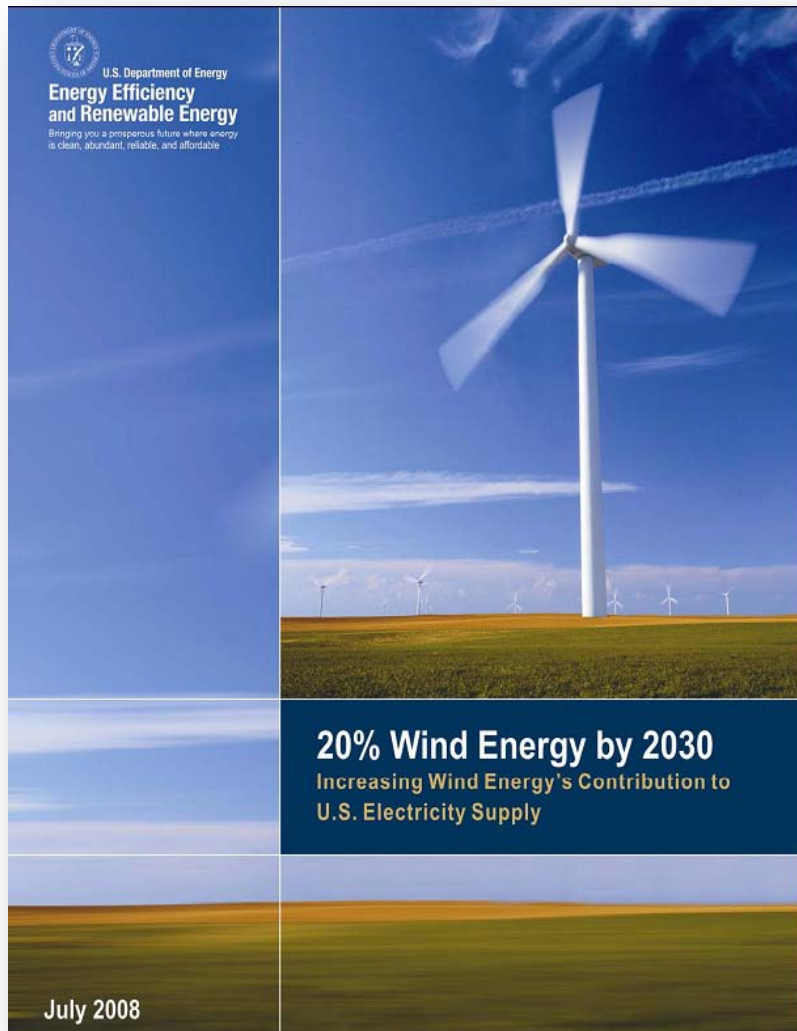
1:30-1:50: Quantifying the Value of the Section 1603 Treasury Cash Grant to Community Wind Projects

Mark Bolinger, Lawrence Berkeley National Laboratory

1:50-2:10: Considerations in Financing Community Wind Projects

John Harper, Global Energy Investors

2:10-2:30: Q&A with the Panelists



Financing Community and Distributed Wind Projects: Possible Role for the States

*States Advancing Wind
Webinar #2*

June 1, 2010

Hosted by Charles Kubert, Clean Energy States Alliance Project Director



About Clean Energy States Alliance

CESA is a multi-state coalition of clean energy programs that advances renewable energy markets through:

- Information Exchange & Analysis
- Partnership Development
- Networking and Collaboration



CESA Members 2003-2010



AK, CA, CO, CT, IL, FL, MA, MD, MN, NC, NJ, NM, NY, OH, OR, PA, VT, WI & DC



www.cleanenergystates.org

Overview of CESA's States Advancing Wind Project

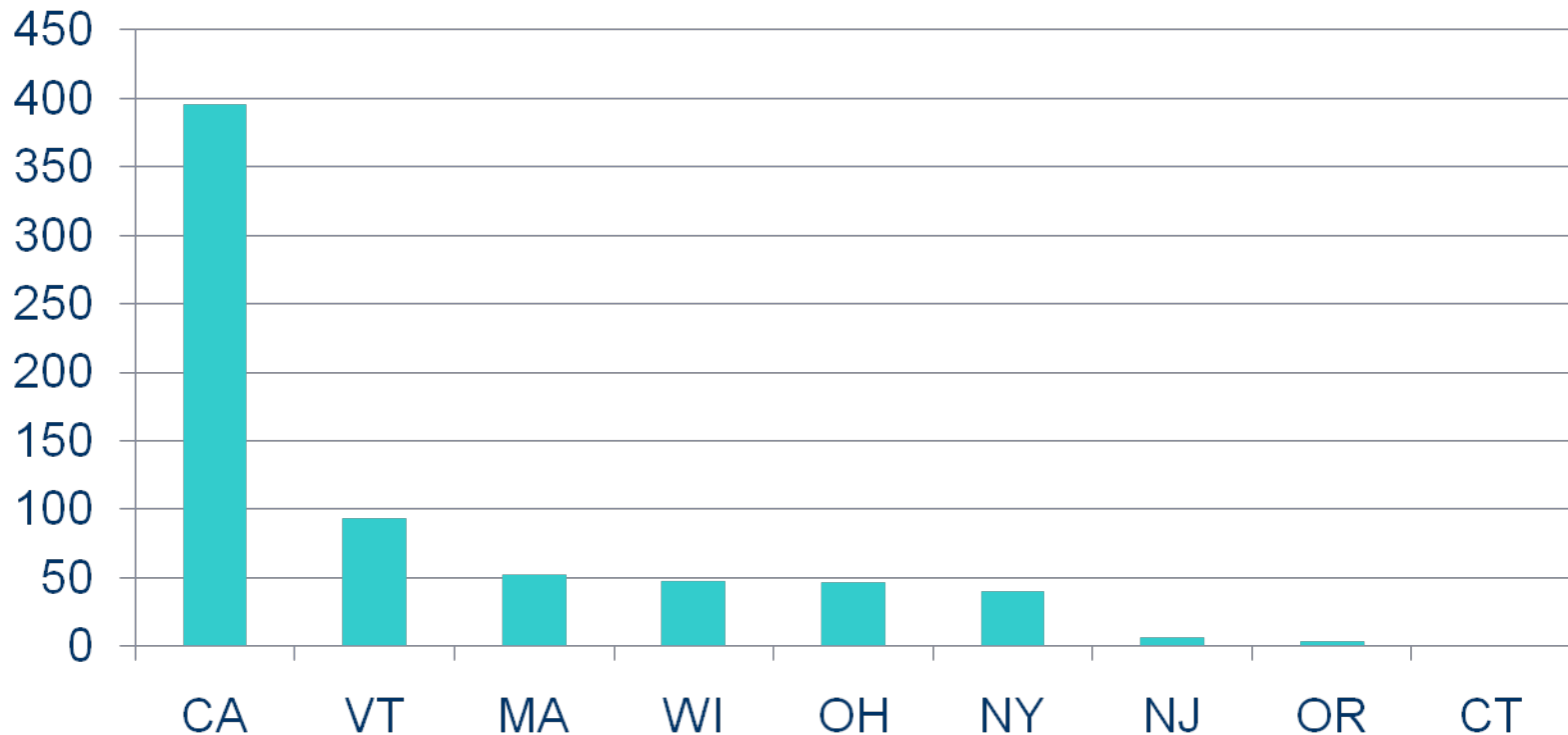
Clean Energy States Alliance (CESA) has been awarded a one-year grant from the U.S. Department of Energy's Wind Powering America Project (www.windpoweringamerica.gov) to **develop new organizational and analysis activities to advance outreach and provide technical assistance to state agencies** and officials across the nation regarding the merits, approaches, and policy tools available to accelerate wind project development.



Clean Energy Fund Wind Support Has Been Mixed

- Commercial Wind: Early grant support prior to state RPS
- Community Wind: Policy, not direct financial support
 - CBED (MN and NE)
 - Tax Credits
- Small Wind (<100kW):
 - Rebates and Grants

Small Wind Project Support: CESA States (1999-2008)



State Fund Small Wind Support

State	Incentive	Comments
California	\$2.50/watt	Maximum 30 kW
Vermont	\$2.50/watt \$4.50/watt (farms and govt)	Program under revision
Massachusetts	Up to \$4.00/watt, partially performance-based	Under 100kW; separate program for “community wind”
Wisconsin	Up to 25% of project cost; max of \$35,000 for projects <20kW, \$100,000 for projects <100kW	Higher cost share for government projects; grants are turbine and site specific

State Fund Community Wind Support

State	Incentive	Comments
Massachusetts-On Site	Feasibility Study Support; Project grants up to \$380,000 (private) and \$570,000 (public/non-profit)	Minimum 100 kW; net metered projects
Massachusetts-Utility Scale	Feasibility Study Support; Development loans up to \$250,000	Privately-owned projects only; no grants
Oregon-On Site	\$4/watt	Maximum 100 kW
Oregon-Utility Scale	Custom	“Support above-market project cost”



Community Wind Projects

USDA REAP program has been critical financial driver of these projects

Category	# of Grants	Total Awards	Avg. Grant Amount
“Large Wind”	285	\$50.5 MM	\$190,000
“Small Wind”	138	\$3.4 MM	\$30,000

Community Wind and Credit Markets: Observations

- Most (but not all) community wind developers are under-capitalized and inexperienced
- Large commercial lenders not interested in “one-off” projects
- Community and local banks have limited knowledge of renewable energy and may have insufficient capital to support multiple wind projects
 - Concentration of credit issues
- Projects are not “secure” until the rotor is spinning

Potential State Financing Tools

