



Courtesy of Joint Base Cape Cod



Courtesy of Mark Spears



Courtesy of Kelsey Kaufman

Preview of 2013 Market Report on Wind Technologies in Distributed Applications

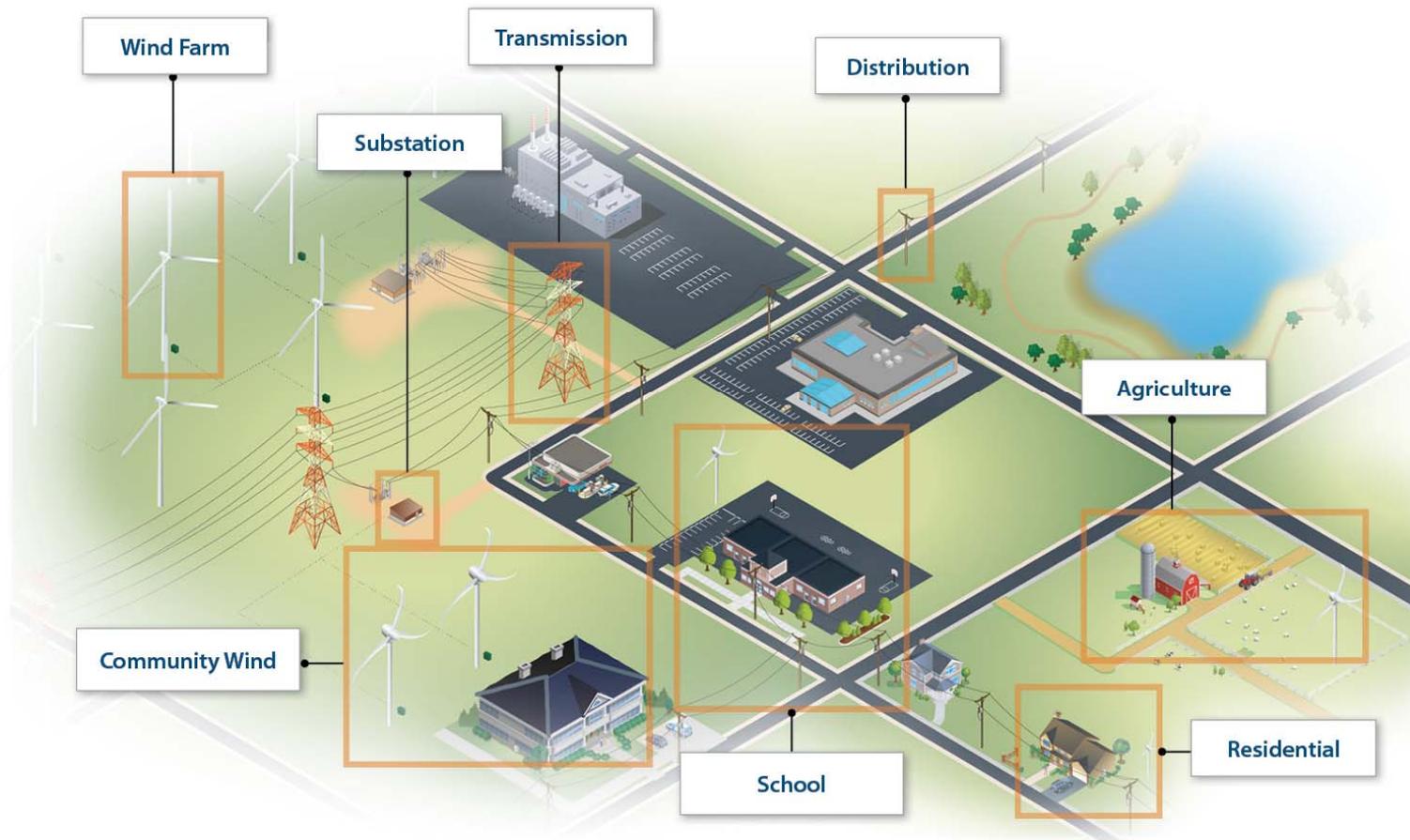
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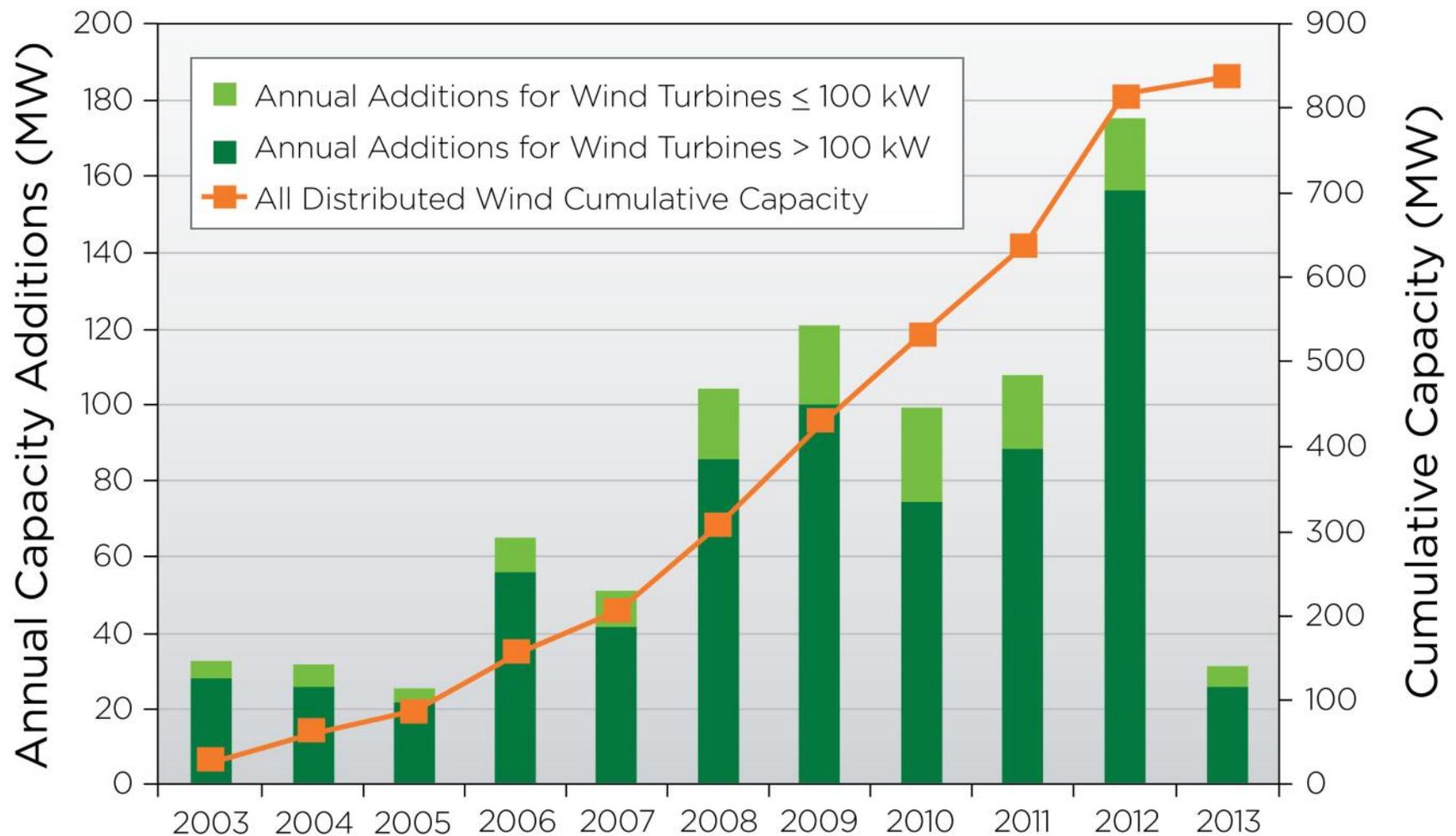
What is Distributed Wind?



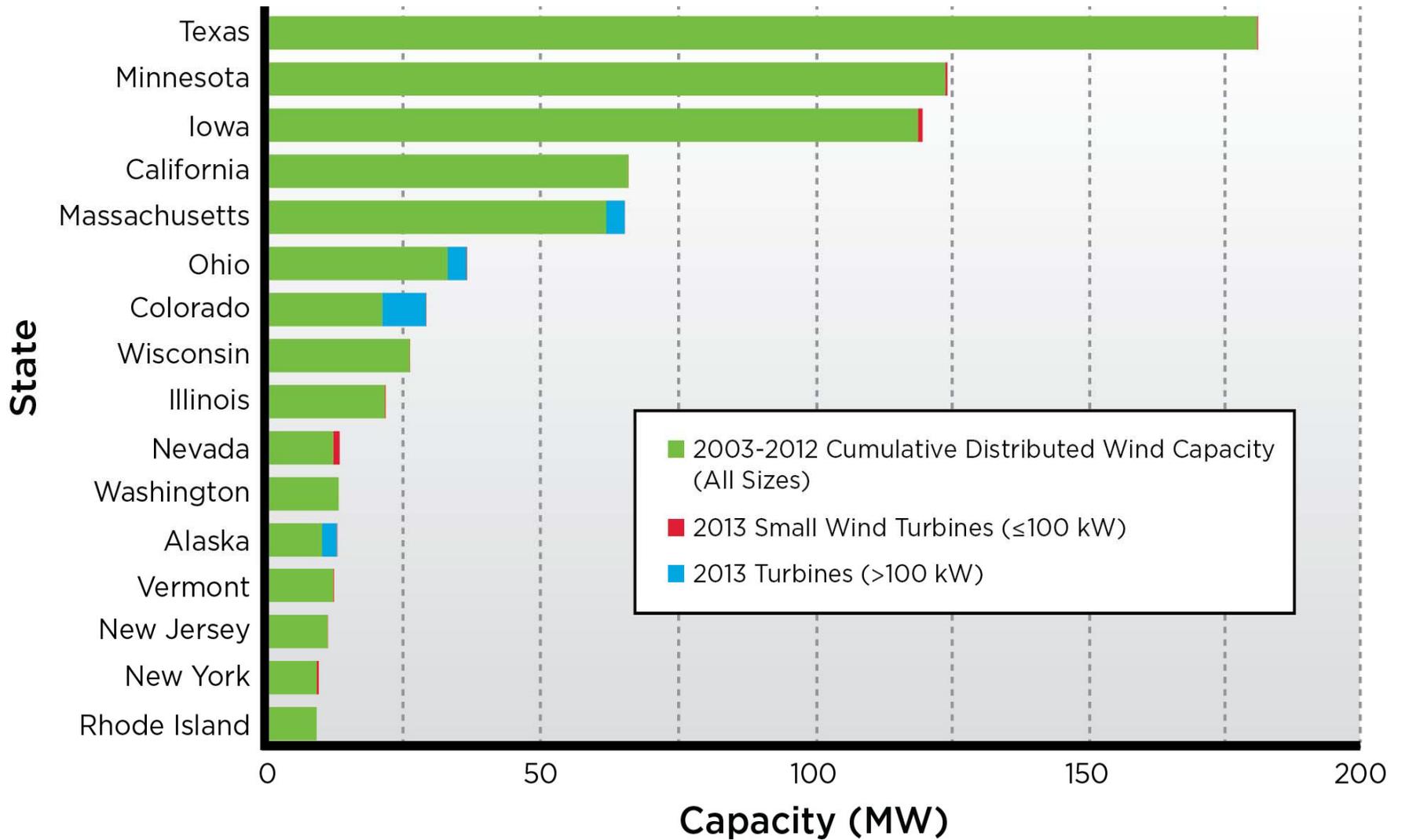
Graphic: NREL

- Prepared for U.S. DOE's Energy Efficiency & Renewable Energy Office's Wind and Water Power Technologies Office
 - By PNNL and eFormative Options with contributions from American Wind Energy Association and Distributed Wind Energy Association
 - Will be available this Summer at <http://www.energy.gov/eere/wind/distributed-wind>
- Report data comes from
 - Other Databases
 - AWEA, eFormative Options, Interstate Turbine Advisory Council (ITAC), and Small Wind Certification Council (SWCC)
 - Agencies
 - U.S. Treasury Section 1603 payments, U.S. Department of Agriculture (USDA) Rural Energy for America Program (REAP) grants, and state agency reports
 - Industry Requests and Media Sources
 - Data from turbine manufacturers and suppliers, O&M providers, developers, and news reports and press releases about projects

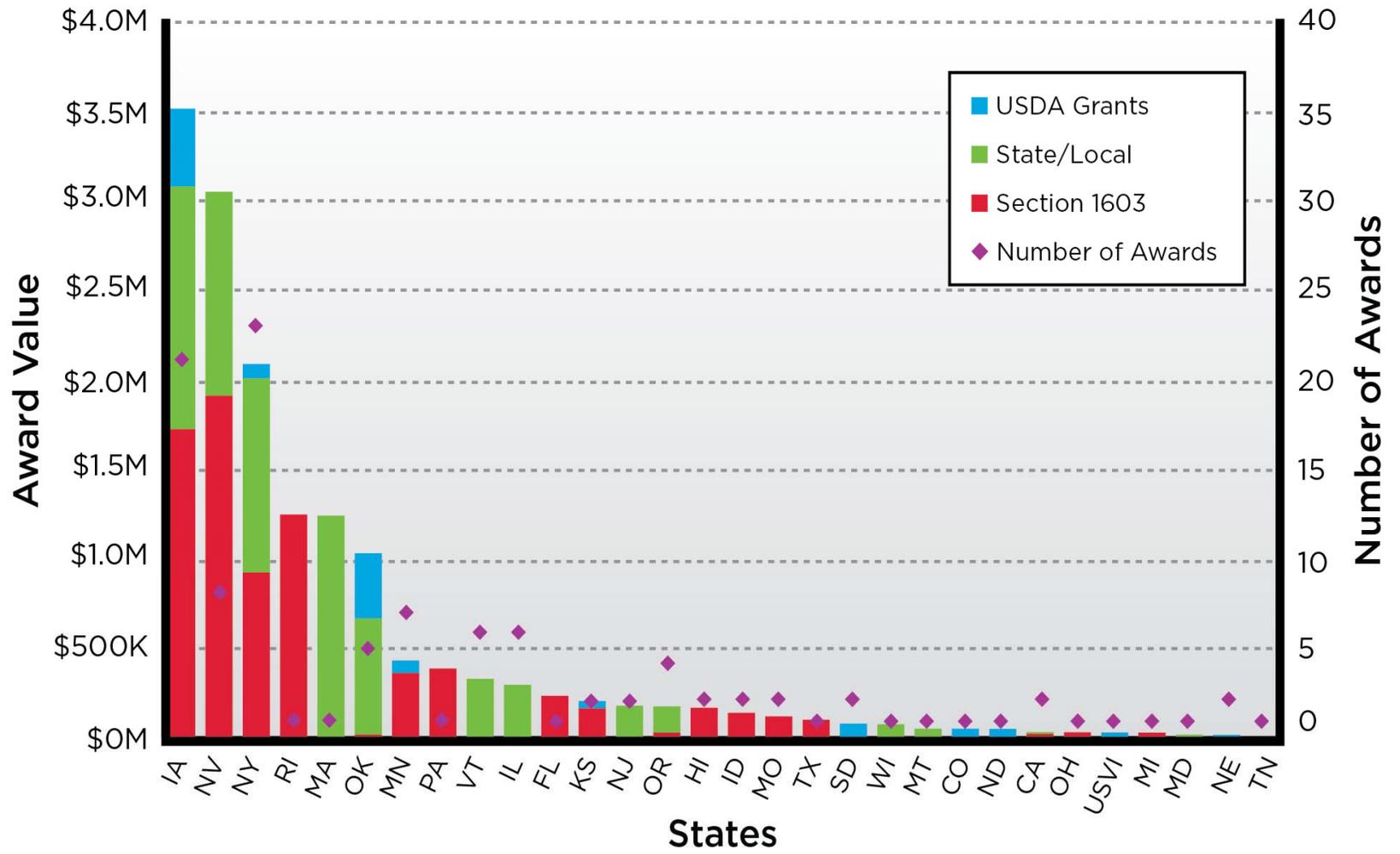
Cumulative Installed Capacity



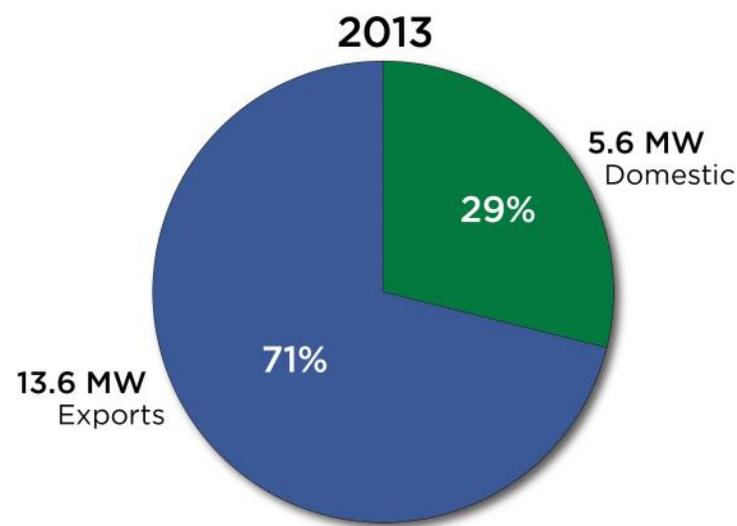
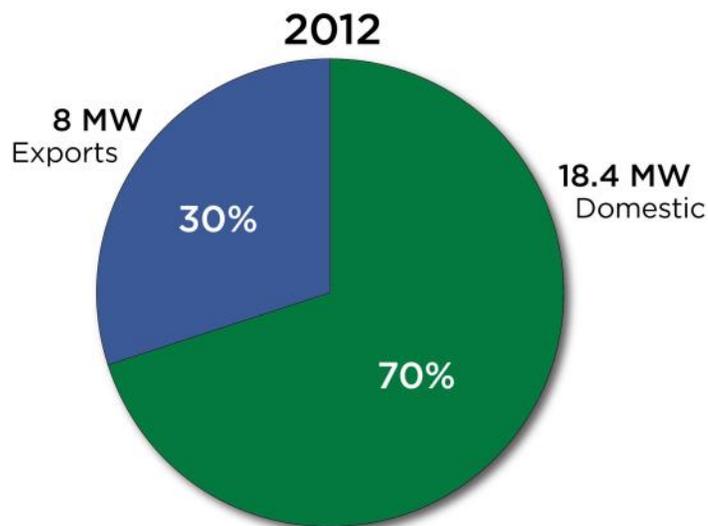
Top States for Distributed Wind



2013 Incentive Awards



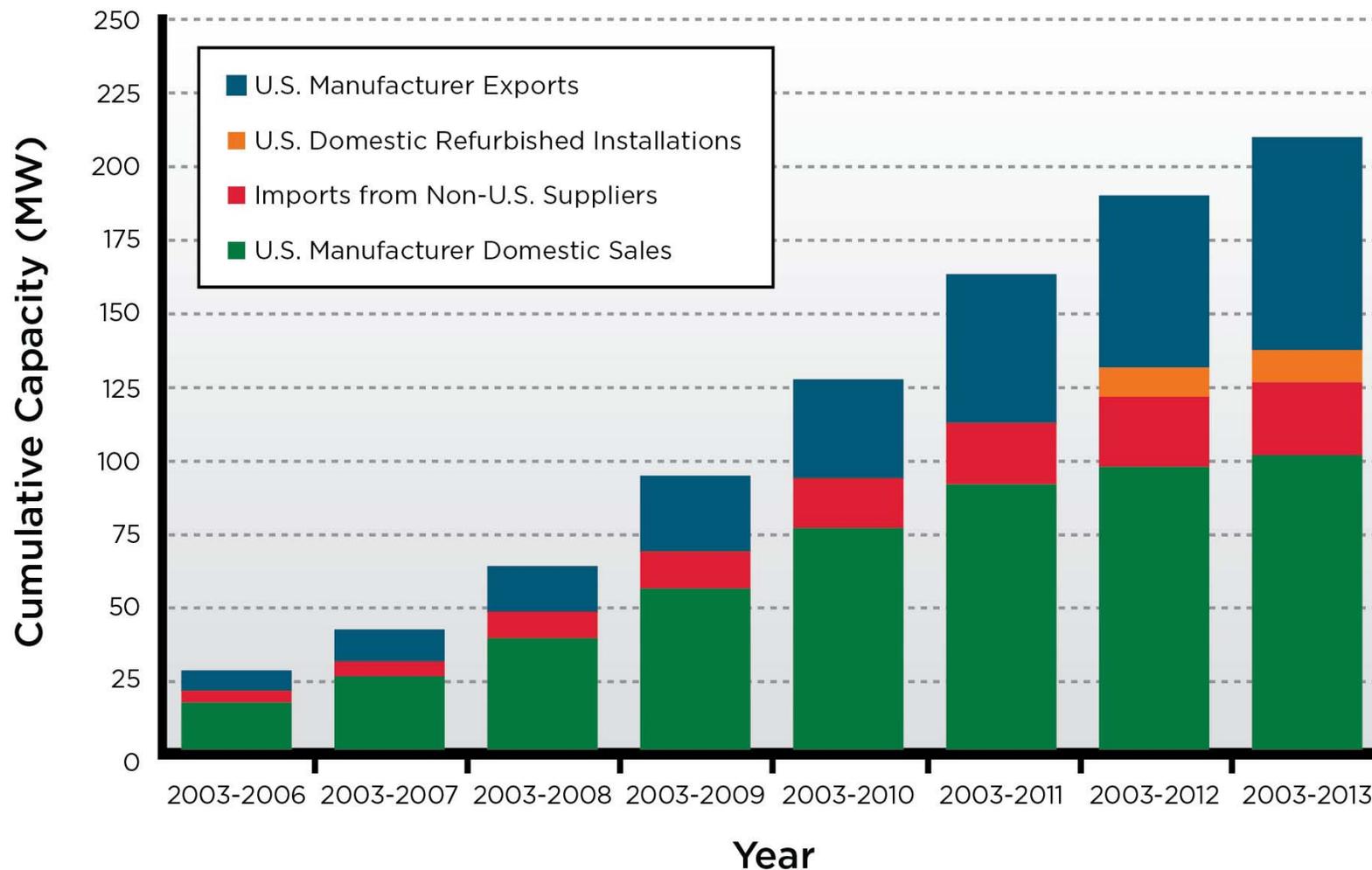
U.S. Small Wind Turbine Manufacturers' Exports Increase over 2012



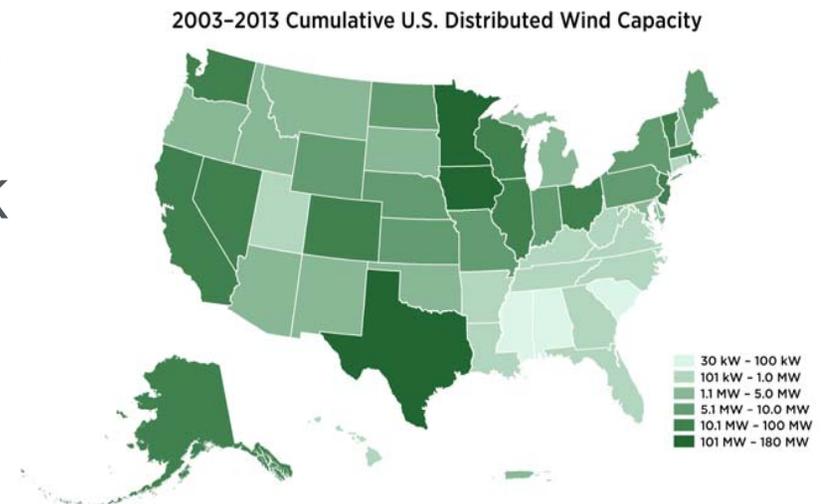
Year	U.S. Small Wind Annual Installed Capacity (MW)	U.S. Manufacturers Annual Exports (MW)	UK Market Annual Installed Capacity* (MW)	China Market Annual Installed Capacity* (MW)	Cumulative US Small Wind Market (MW)	Cumulative Global Small Wind Market* (MW)
2012	18.4	8	37	33.6	216	678
2013	5.6	13.6	TBD	TBD	222	TBD

*World Wind Energy Association 2014 Small Wind World Report

U.S. Small Wind Domestic, Imports, and Export Sales



- AWEA reported over 12,000 MW were under construction at end of 2013
 - Up to 130 MW of that *may* be considered distributed
- Industry Perspective: 2013 was challenging, but optimistic about 2014
 - New third-party financing opportunities and innovative business models
 - New Farm Bill (REAP funding)
 - Exports may stay strong, but UK market may be weakening



Thanks

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energy.gov/eere/wind/distributed-wind



Photos courtesy of Stephen Mellin.

