



AMERICAN
WIND ENERGY
ASSOCIATION

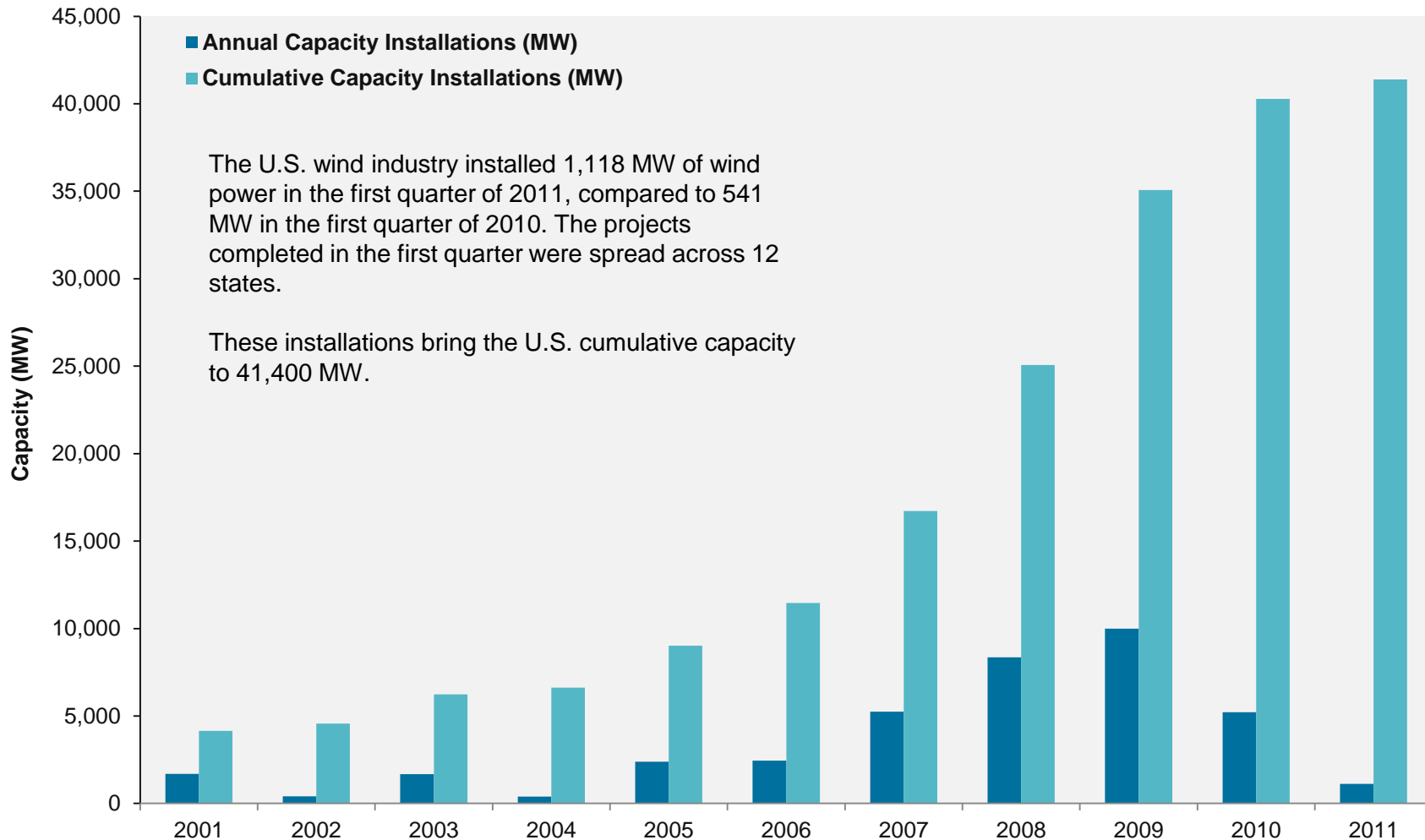
AWEA Data Services

U.S. Wind Industry First Quarter 2011 Market Report April 2011

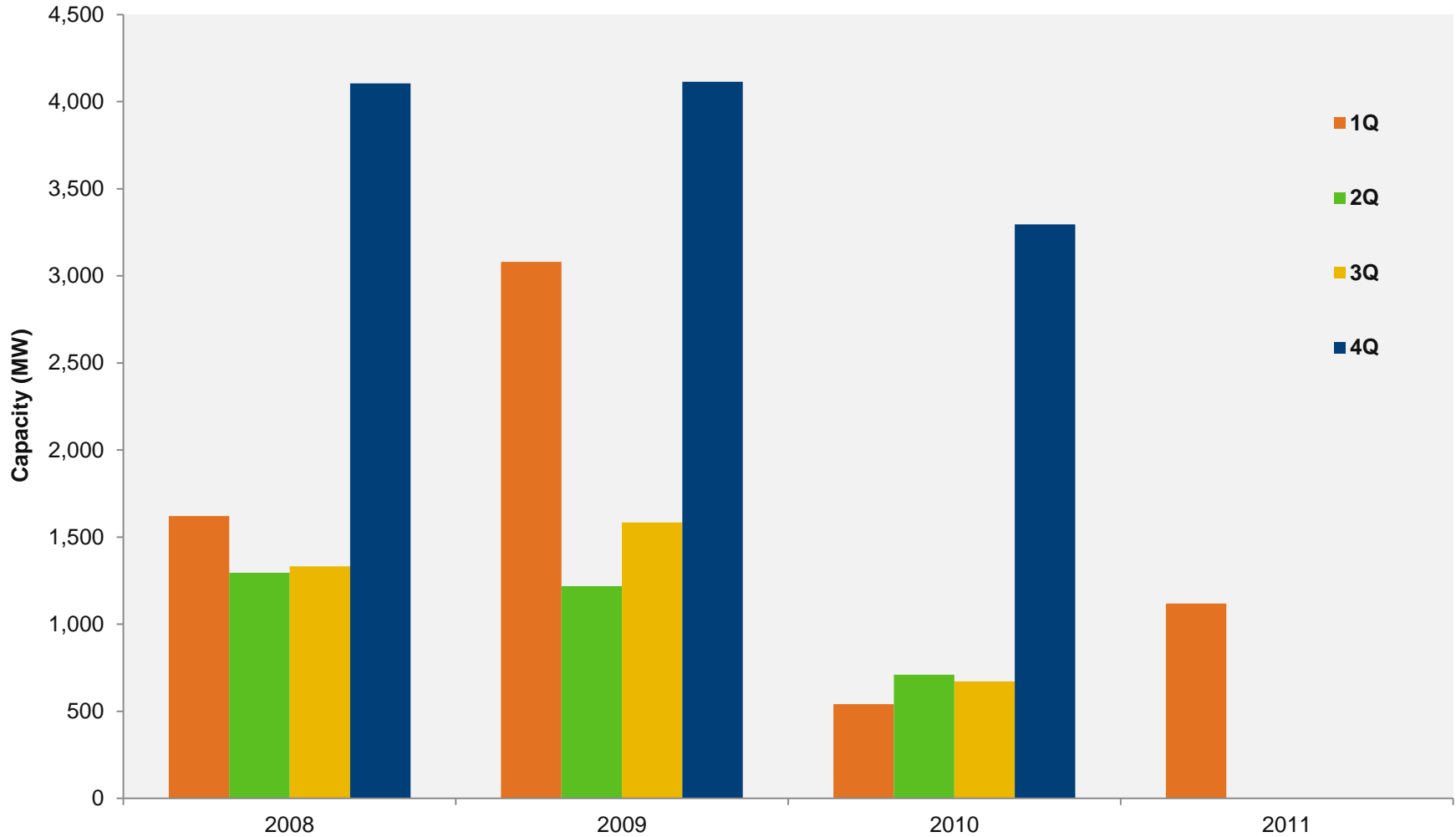
America's wind power industry installed 1,118 MW of new capacity in the first quarter of 2011 alone and entered the second quarter with another 5,600 MW under construction. The under construction figures are nearly twice the megawatts that the industry reported at this time in both 2009 and 2010; moreover, two-thirds of those megawatts are already locked in under long-term power purchase agreements, indicating an enduring industry that has proven both nimble and strong through a range of economic and policy conditions.



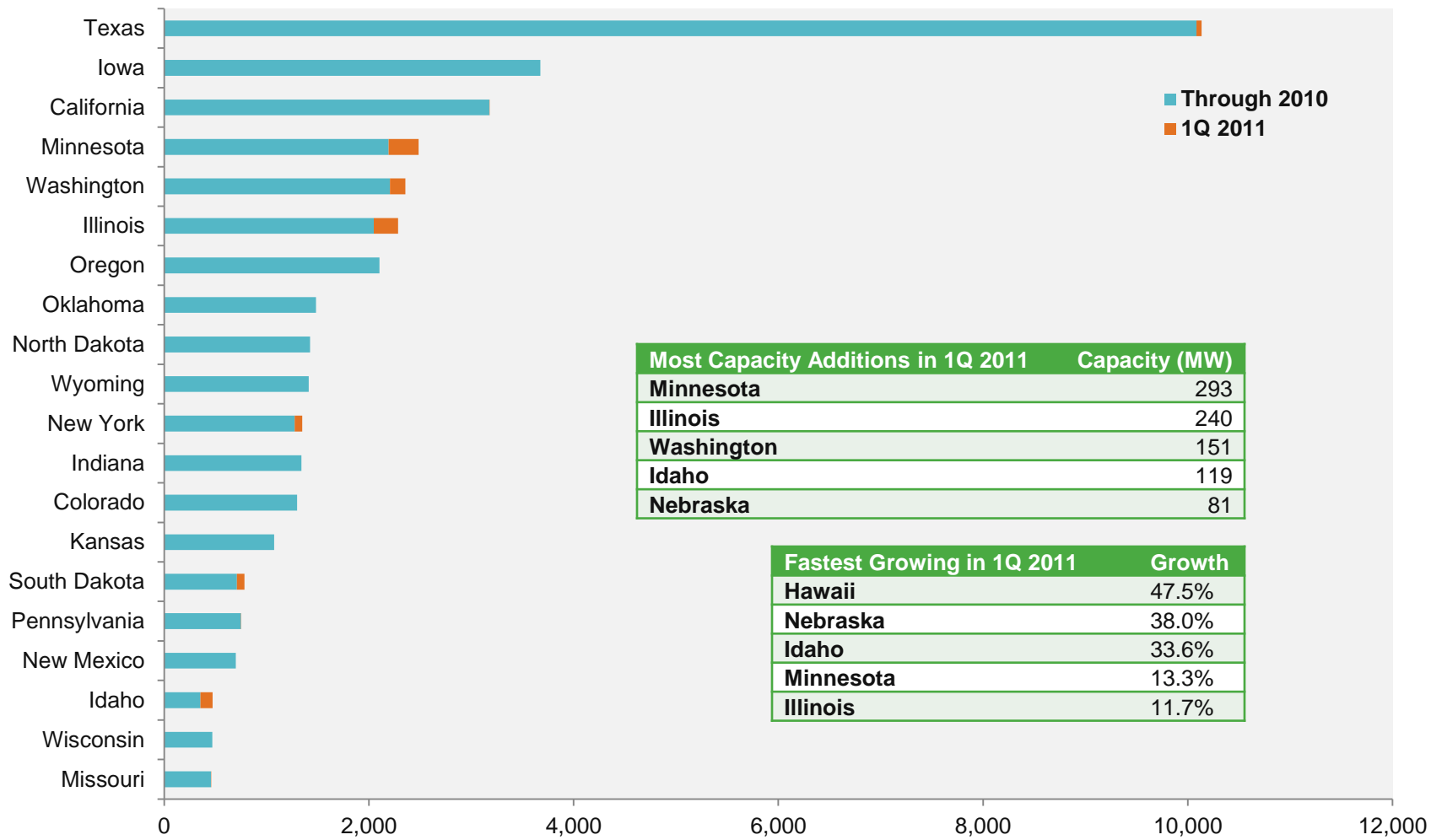
U.S. Annual and Cumulative Wind Power Capacity



U.S. Wind Power Capacity Installations by Quarter



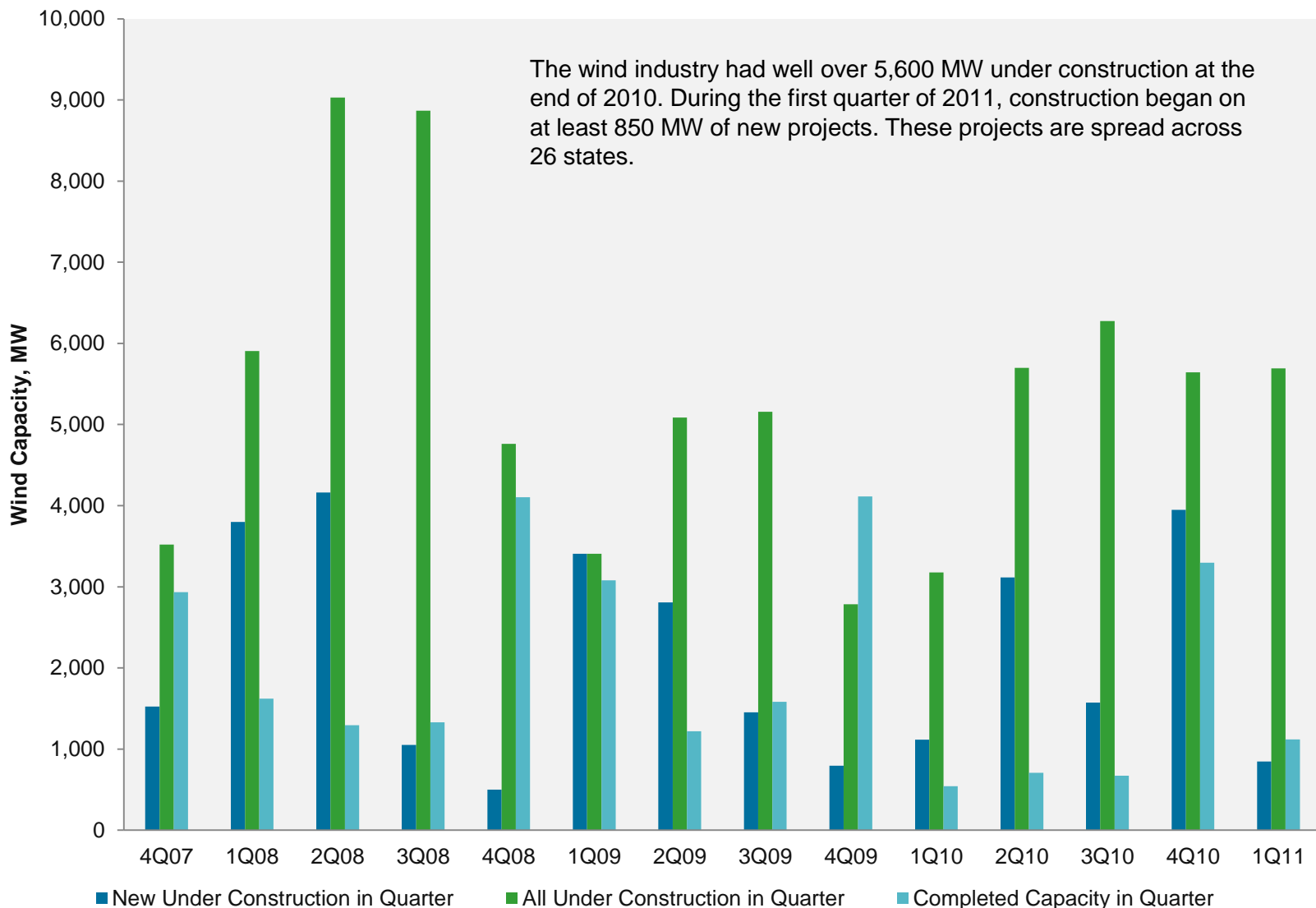
U.S. Wind Power Capacity Installations, Top States



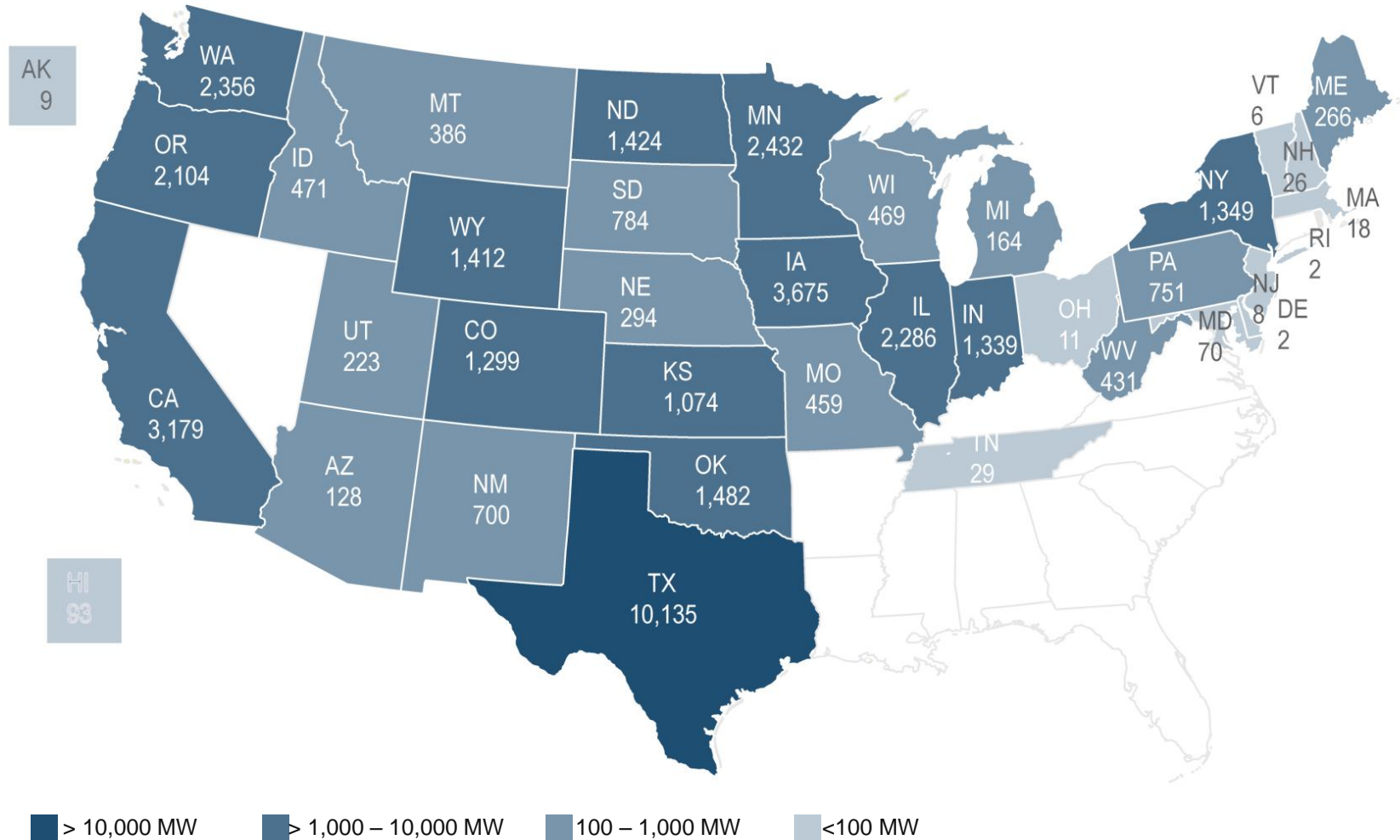
Most Capacity Additions in 1Q 2011	Capacity (MW)
Minnesota	293
Illinois	240
Washington	151
Idaho	119
Nebraska	81

Fastest Growing in 1Q 2011	Growth
Hawaii	47.5%
Nebraska	38.0%
Idaho	33.6%
Minnesota	13.3%
Illinois	11.7%

U.S. Wind Power Capacity Under Construction



U.S. Wind Power Capacity Installations by State



Projects Installed 1Q 2011

State	Project Name	Project Capacity (MW)	Number Of Wind Turbines	Turbine Rating (MW)	Turbine Manufacturer	Project Developer	Project Owner	Power Purchaser
CA	Tehachapi 1.6 Proto-Type	1.6	1	1.60	GE Energy	GE Energy	GE Energy	GE Energy
HI	Kahuku Wind	30.0	12	2.50	Clipper	First Wind	First Wind	HECO
ID	Idaho Wind Partners 1 (11 farms - 2011)	118.5	72	1.50	GE Energy	Exergy Development Group / Reunion Power	Idaho Wind Partners 1, LLC	Idaho Power
IL	Big Sky Wind Facility	239.4	114	2.10	Suzlon	Midwest Wind Energy	Edison Mission Group	
MN	Adams	19.8	12	1.65	Alstom	Juhl Wind	Juhl Wind	Xcel Energy
MN	Bent Tree	201.3	122	1.65	Vestas	Wind Capital Group/Alliant Energy	Alliant Energy (Wisconsin Power & Light)	Alliant Energy (Wisconsin Power & Light)
MN	Danielson Wind	19.8	12	1.65	Alstom	Juhl Wind	Juhl Wind	Xcel Energy
MN	Lakefield (Phase I)	52.5	35	1.50	GE Energy	enXco	enXco	Indianapolis Power & Light
MO	Lost Creek Ridge Wind Farm (2011)	1.6	1	1.60	GE Energy	Wind Capital Group	Wind Capital Group	Associated Electric Cooperative Inc. (AECI)
NE	Laredo Ridge	81.0	54	1.50	GE Energy	Midwest Wind Energy	Edison Mission Group	NPPD
NY	Hardscrabble	74.0	37	2.00	Gamesa	Iberdrola Renewables	Iberdrola Renewables	
PA	Frey Farm	3.2	2	1.60	GE Energy	PPL Renewable Energy, LLC and Lancaster County Solid Waste Management Authority	PPL Renewable Energy	Turkey Hill Dairy
SD	Crow Lake (2011)	75.0	50	1.50	GE Energy	PrairieWinds SD1 (Subsidiary of Basin Electric)	PrairieWinds SD1 (Subsidiary of Basin Electric) 63 MW; South Dakota Wind Partners 10.5 MW; Mitchell Technical Institute 1.5 MW	Basin Electric Power
TX	Loraine II	49.5	33	1.50	GE Energy	Third Planet Windpower	Third Planet Windpower	Merchant
WA	Juniper Canyon	151.2	63	2.40	Mitsubishi	Iberdrola Renewables	Iberdrola Renewables	
	TOTAL:	1118.4	620					
WA	Kititas Valley *	100.8	48	2.10	Suzlon	Horizon-EDPR	Horizon- EDPR	7777

* Completed, but not reported in 4Q 2010 AWEA Market Report

Glossary of Terms

Term	Description	Information Source
Capacity (in Megawatts, MW)	Total nameplate capacity rating of the wind power project and online or under construction turbines	Information as confirmed from project developer at end of each quarter.
Project Name	Wind project name supplied by the project developer	Project Developer
Completion Quarter	Quarter on which wind project is considered to be operational. Usually "Commercial Operation Date"	Specific criteria for "Completion" is at the discretion of the project developer.
Project Developer	Company or companies managing most aspects of project development process. Is often a joint effort among several companies.	Project Developer
Turbine Manufacturer	Turbine vendor or original equipment manufacturer	Project Developer or Turbine Manufacturer
Turbine Rating	Nameplate capacity rating of each turbine – typically the maximum potential power output of the turbine generator	Project Developer, Owner or Turbine Manufacturer
Owner/Equity Partner	Company or companies that will have a managing interest in project when it is complete, though they may not have 100% ownership. Does not usually include structural equity investors.	Project Developer Owner
Power Purchaser	Utility contracted to purchase power under long-term Power Purchase Agreement (PPA) contract or use the power in case of utility ownership.	Project Developer or Owner
Merchant	Wind power plants that are built without a traditional long-term power purchase agreement, instead selling power into a spot-market, sometimes with a hedge contract, or an option to sell the power at a certain price in the future.	Project Developer or Owner