



# AWEA Third Quarter 2010 Market Report

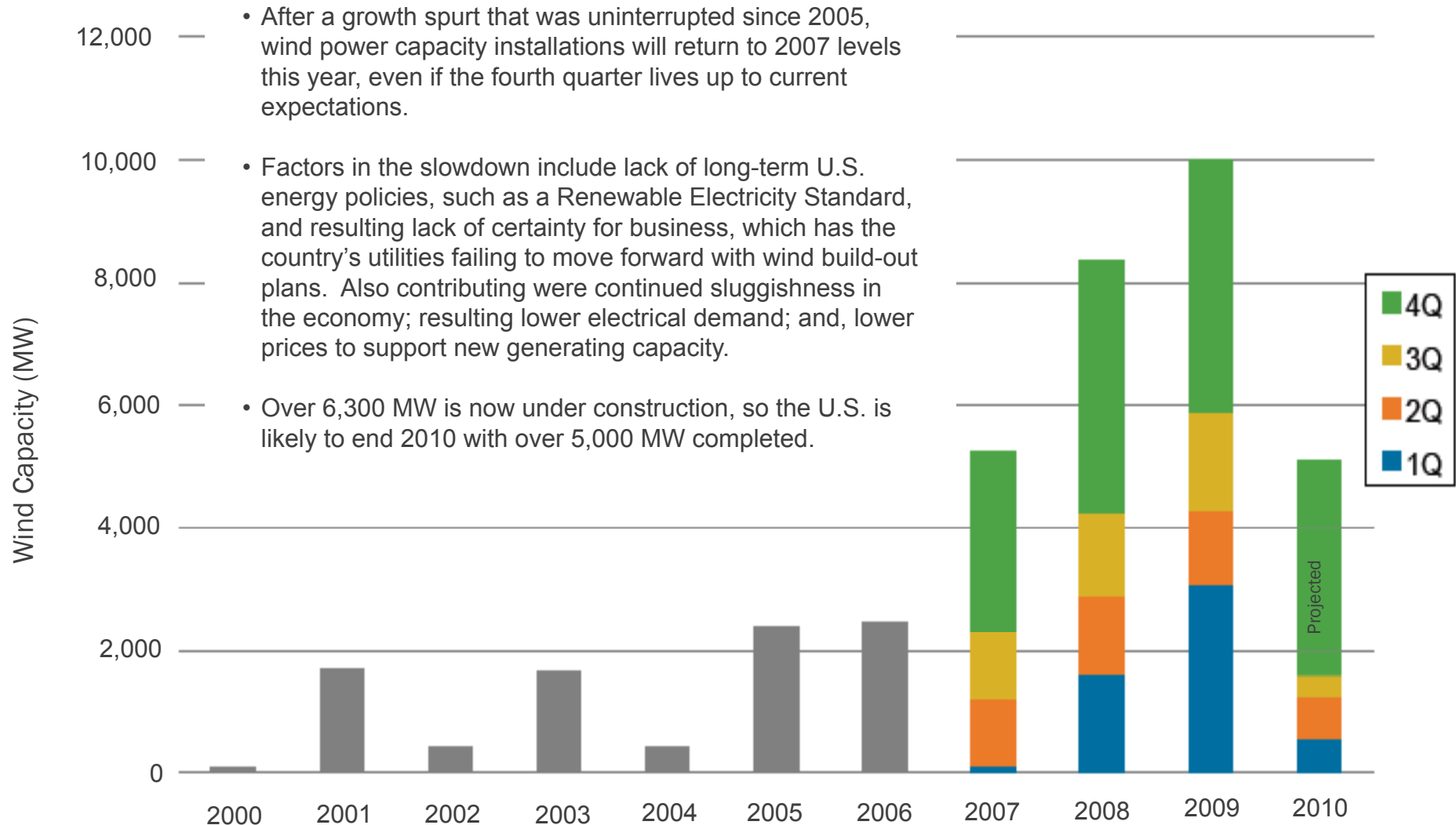
October 2010

The U.S. wind energy industry just experienced its slowest quarter since early 2007. The U.S. added 395 megawatts (MW) of wind power in the third quarter of 2010, 72 percent below this time last year. With 1,634 MW installed through the end of September, the total installed utility-scale wind capacity through the third quarter was 36,698 MW. Over 6,300 MW is now under construction, so the U.S. is likely to end 2010 with over 5,000 MW completed.



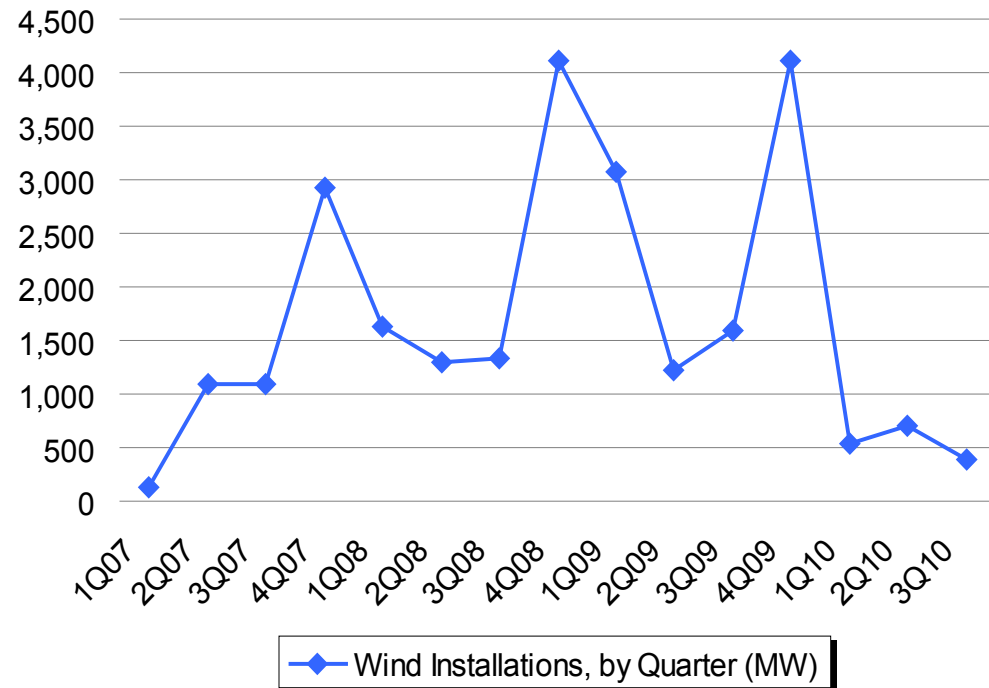
# U.S. Annual Wind Power Installations

## Low Growth Seen in First Three Quarters of 2010

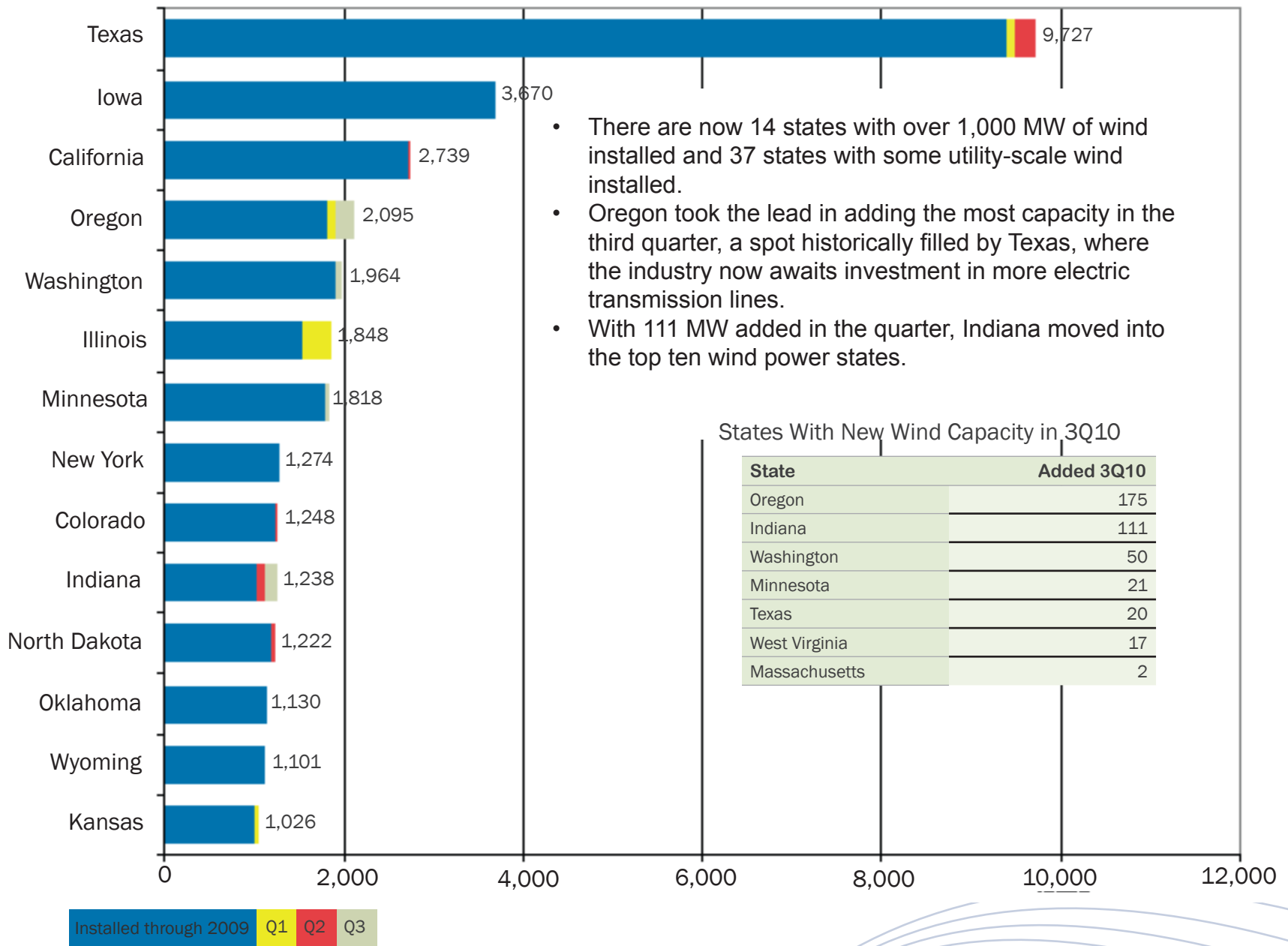


# Wind Power Installations by Quarter

- The boom-and-bust cycle that has developed due to short-term incentives is not conducive to business investment and increased employment.
- This chart of new installations of wind generating capacity by quarter clearly illustrates the consequences of on-again, off-again short-term federal incentives for wind as a market signal. In that connection, it's important to understand that wind projects can be built so quickly (in six months to a year) that the entire pace of activity in the wind industry can be driven by the month-to-month prospects of, say, a tax incentive extension pending before Congress.

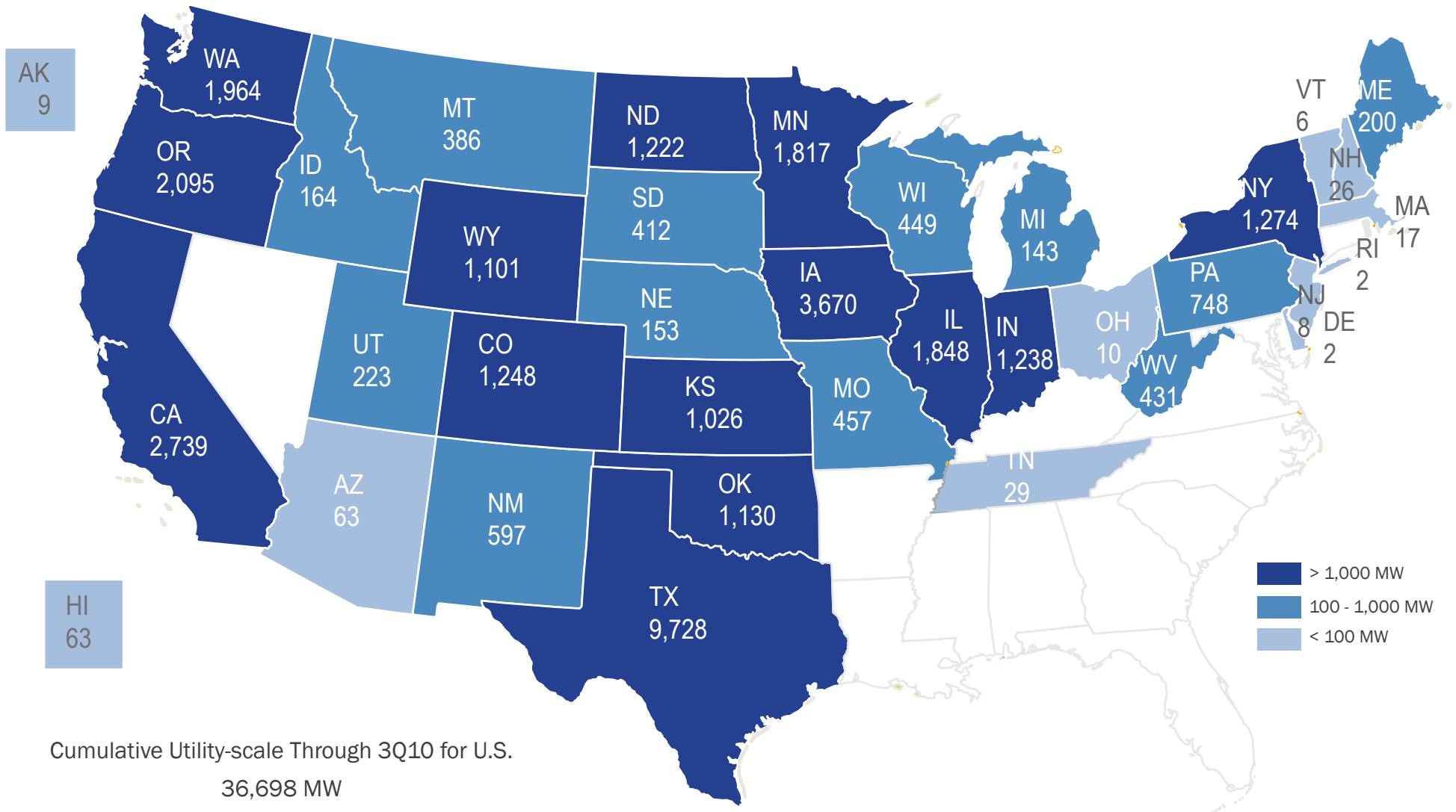


# Wind Project Installations by State (States with > 1 GW)



- There are now 14 states with over 1,000 MW of wind installed and 37 states with some utility-scale wind installed.
- Oregon took the lead in adding the most capacity in the third quarter, a spot historically filled by Texas, where the industry now awaits investment in more electric transmission lines.
- With 111 MW added in the quarter, Indiana moved into the top ten wind power states.

# Cumulative Wind Capacity by State



## New Wind Power Projects Added in Third Quarter of 2010

Table 1 lists new wind power projects that have been brought on-line and commissioned in the third quarter of 2010, as reported to AWEA by its project developer and manufacturer member companies. As long as project is producing power, project commissioning date is at discretion of project owner. Results are preliminary. "n/a" means not available to AWEA at this time.

State	Project Name	Capacity (in MW)	Number of Turbines	Turbine Rating (in MW)	Turbine Manufacturer	Project Developer	Power Purchaser
<b>Total Cumulative Installed</b>		<b>36,698</b>	<b>&gt; 33,900</b>				
<b>Q3 2010</b>		<b>395</b>	<b>207</b>				
IN	Meadow Lake II 3Q10	7.5	5	1.5	Acciona WP	Horizon-EDPR	n/a
IN	Meadow Lake III	103.5	69	1.5	GE Energy	Horizon-EDPR	n/a
MA	Notus Falmouth	1.65	1	1.65	Vestas	Notus Clean Energy	n/a
MN	Grant County	21	10	2.1	Suzlon	Juhl Wind	Xcel Energy
OR	Biglow Canyon phase III	174.8	76	2.3	Siemens	Portland General Electric	Portland General Electric
TX	DeWind Little Pringle # 1	10	5	2	DeWind	n/a	Xcel Energy
TX	DeWind Little Pringle # 2	10	5	2	DeWind	n/a	Xcel Energy
WA	Linden	50	25	2	REpower	enXco	SCPPA
WV	Beech Ridge (Q3)	16.5	11	1.5	GE Energy	Invenergy	AEP-Appalachian Power

## New Wind Power Projects Added in Second Quarter of 2010

Table 2 lists new wind power projects that have been brought on-line and commissioned in the second quarter of 2010, as reported to AWEA by its project developer and manufacturer member companies. As long as project is producing power, project commissioning date is at discretion of project owner. Results are preliminary. "n/a" means not available to AWEA at this time.

State	Project Name	Capacity (in MW)	Number of Turbines	Turbine Rating (in MW)	Turbine Manufacturer	Project Developer	Power Purchaser
<b>Total Cumulative Installed</b>		<b>36,303</b>	<b>&gt; 33,700</b>				
<b>Q2 2010</b>		<b>700</b>	<b>416</b>				
CA	Pine Tree extension	15	10	1.5	GE Energy	LADWP	LADWP
CA	Teichert Aggregates	1.5	1	1.5	GE Energy	Foundation Windpower	Teichert Aggregates
CO	Pueblo Towers	1.8	1	1.8	Vestas	Vestas Towers	Vestas Towers
DE	University of Delaware	2	1	2	Gamesa	First Marine Wind	University of Delaware
ID	Tuana Springs	16.8	8	2.1	Suzlon	John Deere Wind	Idaho Power
IN	Meadow Lake II 2Q10	91.5	61	1.5	Acciona WP	Horizon-EDPR	n/a
MN	Woodstock Municipal Wind	0.75	1	0.75	EWT Americas	Xcel Energy	Xcel Energy
MO	Lost Creek Ridge Wind Farm	148.5	99	1.5	GE Energy	Wind Capital Group	Associated Electric Cooperative Inc. (AECI)
MT	Diamond Willow extension	10.5	7	1.5	GE Energy	Montana-Dakota Utilities	Montana-Dakota Utilities
ND	Cedar Hills	19.5	13	1.5	GE Energy	Montana-Dakota Utilities	Montana-Dakota Utilities
OH	Conneaut Middle School	0.6	1	0.6	Elecon	NexGen Energy Partners	Conneaut Middle School
OH	Conneaut Waste Water Treatment	0.4	1	0.4	n/a	NexGen Energy Partners	Conneaut Waste Water Treatment
OH	Sandusky Waste Water Treatment	0.6	1	0.6	Elecon	NexGen Energy Partners	Sandusky Waster Water Treatment

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<b>Q2 2010</b>		<b>700</b>	<b>416</b>				
OH	Sandusky Water Filtration	0.4	1	0.4	n/a	NexGen Energy Partners	Sandusky Water Treatment
SD	Day County Wind Project	99	66	1.5	GE Energy	NextEra Energy	Basin Electric
TX	Penescal II	201.6	84	2.4	Mitsubishi	Iberdrola Renewables	Bryan Texas Utilities
WA	Coastal Energy	6	4	1.5	GE Energy	Coastal Energy, LLC	n/a
WV	Beech Ridge (Q2)	84	56	1.5	GE Energy	Invenergy	AEP-Appalachian Power

## New Wind Power Projects Added in First Quarter of 2010

Table 3 lists new wind power projects that were brought on-line and commissioned in the first quarter of 2010, as reported to AWEA by its project developer and manufacturer member companies. As long as project is producing power, project commissioning date is at discretion of project owner. Results are preliminary. "n/a" means not available to AWEA at this time.

State	Project Name	Capacity (in MW)	Number of Turbines	Turbine Rating (in MW)	Turbine Manufacturer	Project Developer	Power Purchaser
<b>Total Cumulative Installed</b>		<b>35,603</b>	<b>&gt; 33,300</b>				
<b>Q1 2010</b>		<b>539</b>	<b>292</b>				
IL	Streator-Cayuga	300	150	2	Gamesa	Iberdrola Renewables	TVA
KS	Greensburg	12.5	10	1.25	Suzlon	John Deere Wind	n/a
MA	Falmouth	1.65	1	1.65	Vestas	Falmouth Wastewater Treatment	n/a
ME	Stetson Wind expansion	25.5	17	1.5	GE Energy	First Wind	Harvard for 50%
OR	Star Point	98.7	47	2.1	Suzlon	Iberdrola Renewables	Modesto Irrigation District
TX	Loraine	100.5	67	1.5	GE Energy	Third Planet	n/a

## Projects Currently Under Construction

Table 4 lists wind power projects that are currently under construction, as reported to AWEA by its project developer and manufacturer member companies. Reporting of uncer construction projects is at discretion of project owner. Results are preliminary. "n/a" means not available to AWEA at this time.

State	Project Name	Capacity (in MW)	Number of Turbines	Turbine Rating (in MW)	Turbine Manufacturer	Project Developer	Power Purchaser
<b>Under Construction+</b>		<b>6,273</b>	<b>≈3,200</b>				
AZ	Dry Lake II	65.1	31	2.1	Suzlon	Iberdrola Renewables	Salt River Project
CA	Alta (Vestas)	150	50	3	Vestas	Terra-Gen Power	SCE
CA	Alta I (GE Energy)	150	100	1.5	GE Energy	Terra-Gen Power	SCE
CA	Hatchet Ridge Wind*	101.2	44	2.3	Siemens	Pattern Energy	PG&E
CA	Montezuma	36.8	16	2.3	Siemens	NextEra Energy	n/a
CA	San Geronio Farms (repower)	5	10	0.5	Vestas-RBB	San Geronio Farms	n/a
CO	Cedar Creek II (GE Energy)	100.8	63	1.6	GE Energy	BP Wind Energy	Xcel Energy
CO	Cedar Creek II (Nordex)	150	60	2.5	Nordex	BP Wind Energy	Xcel Energy
CO	Cedar Point Wind	250.2	139	1.8	Vestas	RES Americas	Xcel Energy
CO	Kit Carson Project	51	34	1.5	GE Energy	Duke Energy	Tri-State
HI	Kahuku Wind	30	12	2.5	Clipper	First Wind	HECO
ID	Goshen North*	124.5	83	1.5	GE Energy	BP Wind Energy/ Ridgeline Energy	SCE
ID	Oregon Trail - 11 wind farms	183	122	1.5	GE Energy	Reunion Power/ Exergy Development	Idaho Power

+Under Construction total does not include capacity already completed in Q4

\*Project has already been completed in the fourth quarter of 2010

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IL	Big Sky Wind Facility	239.4	114	2.1	Suzlon	Edison Mission Group	n/a
IL	Top Crop II	198	132	1.5	GE Energy	Horizon-EDPR	n/a
IL	White Oak	150	100	1.5	GE Energy	Invenergy	TVA
IN	Meadow Lake IV	98.7	47	2.1	Suzlon	Horizon-EDPR	n/a
MA	Brodie Mountain	15	10	1.5	n/a	Berkshire Wind Power Cooperative	n/a
MD	Criterion	70	28	2.5	Clipper	Constellation Energy	Constellation Energy
MD	Roth Rock	50	20	2.5	Nordex	Synergics	Delmarva Power, U. of MD
ME	Kibby Mountain, phase II	66	22	3	Vestas	TransCanada	n/a
ME	Rollins	60	40	1.5	GE Energy	First Wind	n/a
MI	Stoney Corners II	18.45	9	2.05	REpower	Heritage Sustainable Energy	Traverse City Light & Power/Detroit Edison
MI	Stoney Corners II	2.2	1	2.2	Northern Power	Heritage Sustainable Energy	Detroit Edison
MN	Adams Wind Generations	19.8	12	1.65	Alstom	Juhl Wind	Xcel Energy
MN	Bent Tree	201.3	122	1.65	Vestas	Alliant Energy	Alliant Energy

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<b>Under Construction+</b>		<b>6,273</b>	<b>≈3,200</b>				
MN	Community Wind	30	12	2.5	Clipper	Edison Mission Group	Xcel Energy
MN	Danielson Wind Farms	19.8	12	1.65	Alstom	Juhl Wind	Xcel Energy
MN	Elm Creek II	148.8	62	2.4	Mitsubishi	Iberdrola Renewables	n/a
MN	Nobles	201	134	1.5	GE Energy	enXco	Xcel Energy
MN	Ridgewind	25.3	11	2.3	Siemens	Ridgewind Power Partners LLC	Xcel Energy
MN	Valley View	10	5	2	n/a	Juhl Wind	Xcel Energy
MN	West Stevens Wind	19.5	13	1.5	GE Energy	West Stevens Wind, LLC	n/a
MN	Winona County Wind	1.5	2	0.75	Unison	Juhl Wind	Xcel Energy
ND	Ashtabula III	62.4	39	1.6	GE Energy	NextEra Energy	n/a
ND	Baldwin	102.4	64	1.6	GE Energy	NextEra Energy	Basin Electric
ND	Bison Wind 1A	36.8	16	2.3	Siemens	Minnesota Power	Minnesota Power
NE	Broken Bow	81	54	1.5	n/a	Edison Mission Group/Midwest Wind	n/a

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NE	Crofton Hills	42	14	3	n/a	Juhl Wind	NPPD
NE	Flat Water	60	40	1.5	GE Energy	the juwi group	Omaha Public Power District
NE	Laredo	81	54	1.5	GE Energy	Edison Mission Group	NPPD
NM	Red Mesa	102.4	64	1.6	n/a	NextEra Energy	n/a
NY	Hardscrabble	74	37	2	Gamesa	Iberdrola Renewables	n/a
OH	Blue Creek	304	152	2	Gamesa	Iberdrola Renewables	n/a
OK	Crosswinds (2.3 MW)	218.5	95	2.3	Siemens	OG&E	OG&E
OK	Crosswinds (3 MW)	9	3	3	Siemens	OG&E	OG&E
OK	Elk City II	101.2	n/a	1.5/1.6	GE Energy	NextEra Energy	n/a
OK	Keenan II	151.8	66	2.3	Siemens	CPV Renewable Energy	OG&E
OK	Minco Wind	99.2	62	1.6	n/a	NextEra Energy	n/a
OK	Taloga	129.6	54	2.4	Mitsubishi	Edison Mission Group/Chermac	OG&E

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<b>Under Construction+</b>		<b>6,273</b>	<b>≈3,200</b>				
OR	Leaning Juniper 2 (Suzlon)	90.3	43	2.1	Suzlon	Iberdrola Renewables	n/a
OR	Leaning Juniper 2 (GE Energy)	111	74	1.5	GE Energy	Iberdrola Renewables	n/a
PA	Chestnut Flats	38	19	2	Gamesa	Gamesa Energy	n/a
SD	Buffalo Ridge II	210	105	2	Gamesa	Iberdrola Renewables	n/a
TX	Cedro Hill	150	100	1.5	GE Energy	Edison Mission Group/DKRW	CPS Energy
TX	Papalote Creek II	200.1	87	2.3	Siemens	E.On Climate & Renewables	LCRA
UT	Milford II	102	68	1.5	GE Energy	First Wind	n/a
VA	Highland New Wind	38	19	2	n/a	Highland New Wind, LLC	n/a
VT	Sheffield	40	16	2.5	Clipper	First Wind	n/a
WA	Big Horn 2	50	25	2	Gamesa	Iberdrola Renewables	MSR Public Power Agency
WA	Juniper Canyon	151.2	63	2.4	Mitsubishi	Iberdrola Renewables	n/a
WA	Kittitas Valley	100.8	48	2.1	Suzlon	Horizon-EDPR	n/a

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<b>Under Construction+</b>		<b>6,273</b>	<b>≈3,200</b>				
WA	Lower Snake River Phase I	342.7	149	2.3	Siemens	PSE	PSE
WA	Vantage Point*	90	60	1.5	GE Energy	Invenergy	PG&E
WI	Glacier Hills	162	90	1.8	Vestas	We Energies	We Energies
WI	Shirley	20	8	2.5	Nordex	Emerging Energies	WPS
WY	Dunlap*	111	74	1.5	GE Energy	PacifiCorp	PacifiCorp
WY	Top of the World (GE)*	99	66	1.5	GE Energy	Duke Energy	Pacificorp
WY	Top of the World (Siemens)*	101.2	44	2.3	Siemens	Duke Energy	Pacificorp

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\*Project has already been completed in the fourth quarter of 2010

## Project Definitions

Definitions (the last two – web link and WEW reference – are not currently being used in the report, and therefore will come out of the definitions for now).

<b>Term</b>	<b>Abbrev.</b>	<b>Description</b>	<b>Information Source</b>
Capacity (in Megawatts)	MW	Total nameplate capacity rating of assembly of turbines	Information as received from project developer at end of each quarter.
Completion Date		Date 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.
Merchant or "market"		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
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 or 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 power purchaser
Project Developer		Company or companies managing most aspects of project development process. Is often a joint effort among several companies.	project developer
Project Name		Name supplied by project developer	project developer
Turbine Manufacturer		Turbine vendor or supplier	project developer or turbine manufacturer
Turbine Rating (in Megawatts)	MW	Nameplate capacity rating of each turbine – typically the maximum potential power output of the turbine generator	project developer