



Bringing Sustainable Energy Infrastructure into the Hudson Valley

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Authority

Important Steps for a Sustainable Market

- **Workforce Development**
 - Accredited training, certification
 - NJATC/IBEW; Ulster BOCES; SUNY Delhi; HVCC; Alfred
- **Business Growth & Manufacturing**
 - Innovative business models
- **Community/Local Govt. Decision Making**
 - Wind Energy Tool Kit
 - Wind/Wildlife research
- **Outreach and Awareness**
- **Funding Support/Incentives**
- **Simple/safe Interconnection – net metering**



Solar Program Activity

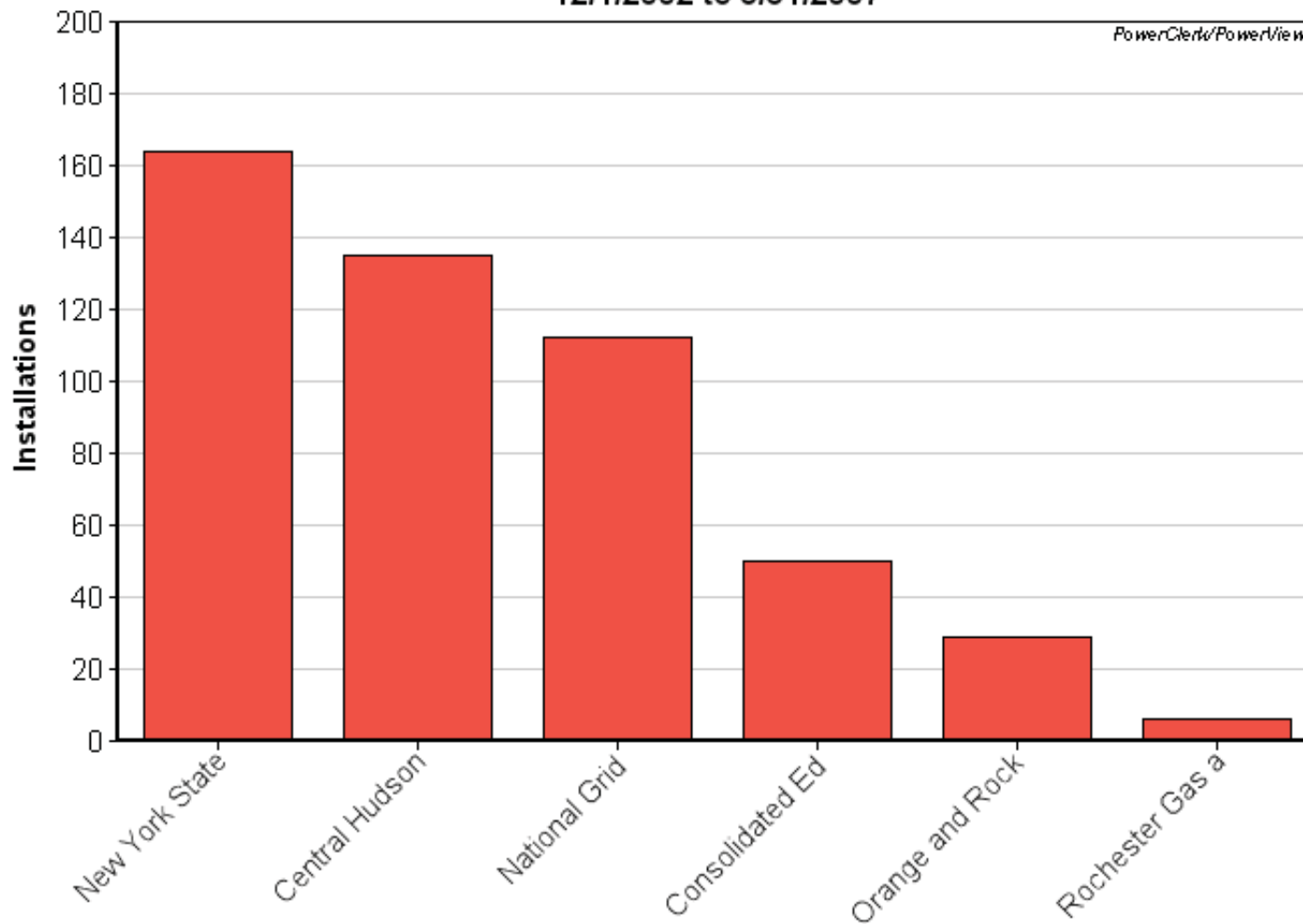


NYSERDA



Installations By Utility Territory

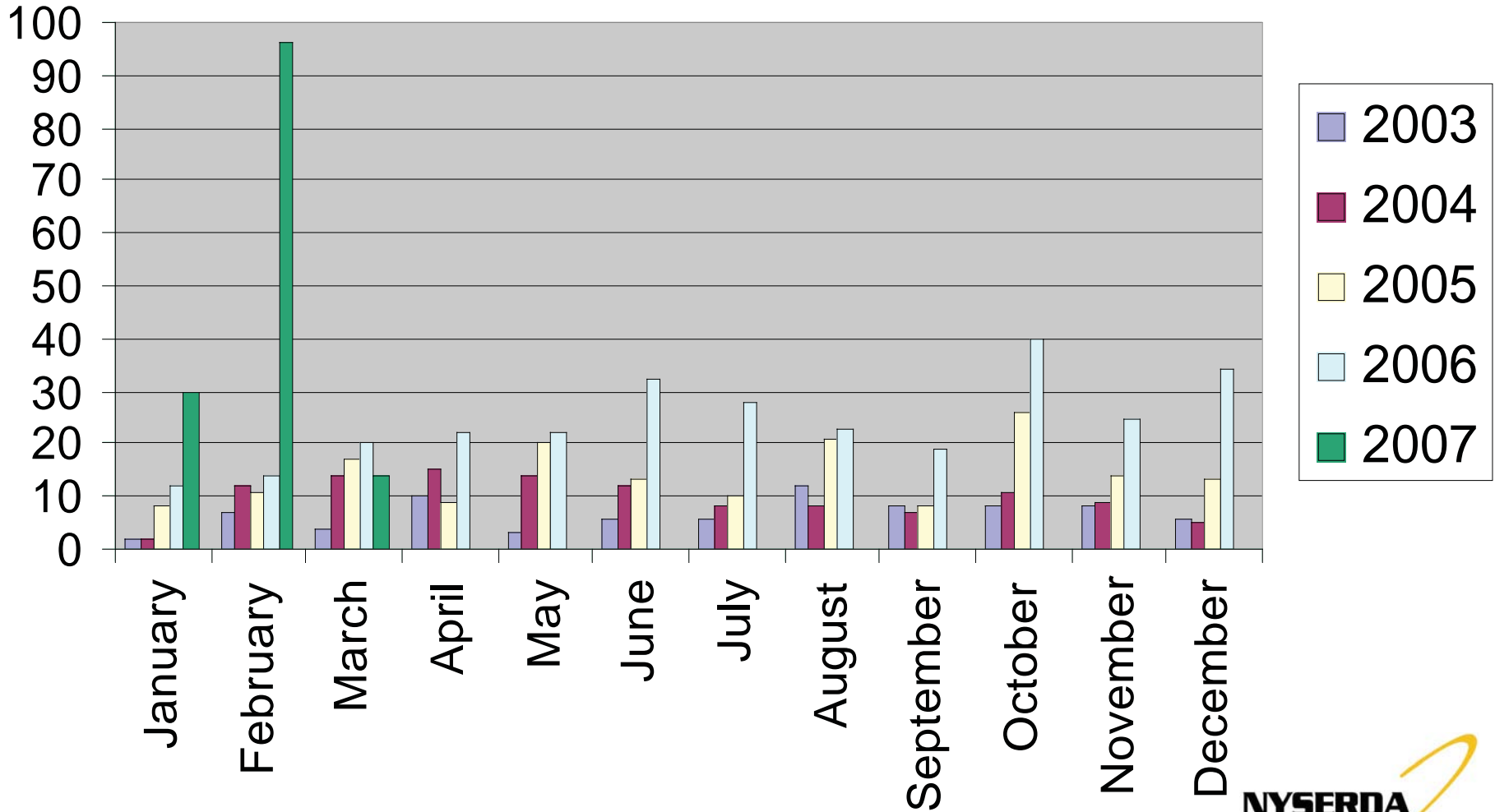
12/1/2002 to 3/31/2007



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Incentives by Month/Year



As of March 23, 2007

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Component Cost Summary

Year Completed	Number of Systems	Volume Installed (kW DC)	Avg. Size (kW DC)	Installed Cost per kW	Module Cost per KW	Inverter Cost per KW	BOS Cost per KW	Labor Cost per KW
2003	43	225.25	5.24	8,205	4,487	989	848	1,882
2004	98	459.25	4.69	8,362	4,617	1,080	814	1,850
2005	101	591.59	5.86	8,562	4,654	1,063	1,150	1,630
2006	196	1123.23	5.73	8,702	5,067	880	1,074	1,647
2007	66	377.17	5.71	8,808	5,204	896	1,071	1,603

Wind Energy

NYSERDA



Anticipated Cumulative RPS Program Outcomes

Expected new capacity (by end of year 2008) -	approx. 1,200 MW
Total Available REC produced annually -	nearly 3,600,000
Facilities involved -	24 projects/22 in New York
Resource type -	11 hydro/1 biomass/12 wind
Capacity under NYSERDA contract -	844 MW
REC under contract to NYSERDA annually -	approx. 2,800,000
Weighted REC price -	\$ 17/MWh
% of 2008 program goal achieved -	approx. 80 %

Notables:

NYSERDA contracts are leveraging more capacity

REC available to drive voluntary market

Economic benefits to New York are significant

Solar Array - NYS DEC
Building



RPS Program Economic Benefits

- Investment in New York approaching \$2 billion
- Economic benefits in New York approach \$10 per Mwh¹
 - short/long-term jobs
 - fuel acquisition/control/rights
 - purchases of local goods/services
 - host community payments/taxes
- Expected economic benefits to New York:
 - \$ 700 + million for contracted/in-service resources
 - \$ 2 billion + possible at close of program²

¹ Over 20 year project life

² Should future resources be located in New York

Note: estimates above exclude roll-over/multiplier effects, energy price suppression benefits



NYISO Interconnection Queue

as of 3/27/2007

County	Projects	MW	County	Projects	MW
Bradford, PA	2	250	Lewis	2	400.9
Cattaraugus	3	278	Madison	2	80
Chautauqua	2	179	Ontario	2	125
Clinton	8	629	Orleans	1	120
Delaware	1	129	Otsego	1	70
Erie	1	60	Steuben	5	511
Franklin	4	603	Suffolk	1	140
Genesee	3	632.7	Tioga	3	385
Herkimer	3	370	Wyoming	5	490.5
Jefferson	3	466	Yates	3	235
State total	55	6154.1			

For More Information

- NYSERDA's Renewables Programs
 - www.PowerNaturally.org
 - NYSERDA Wind Energy Toolkit
www.powernaturally.com/Programs/Wind/toolkit.asp

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