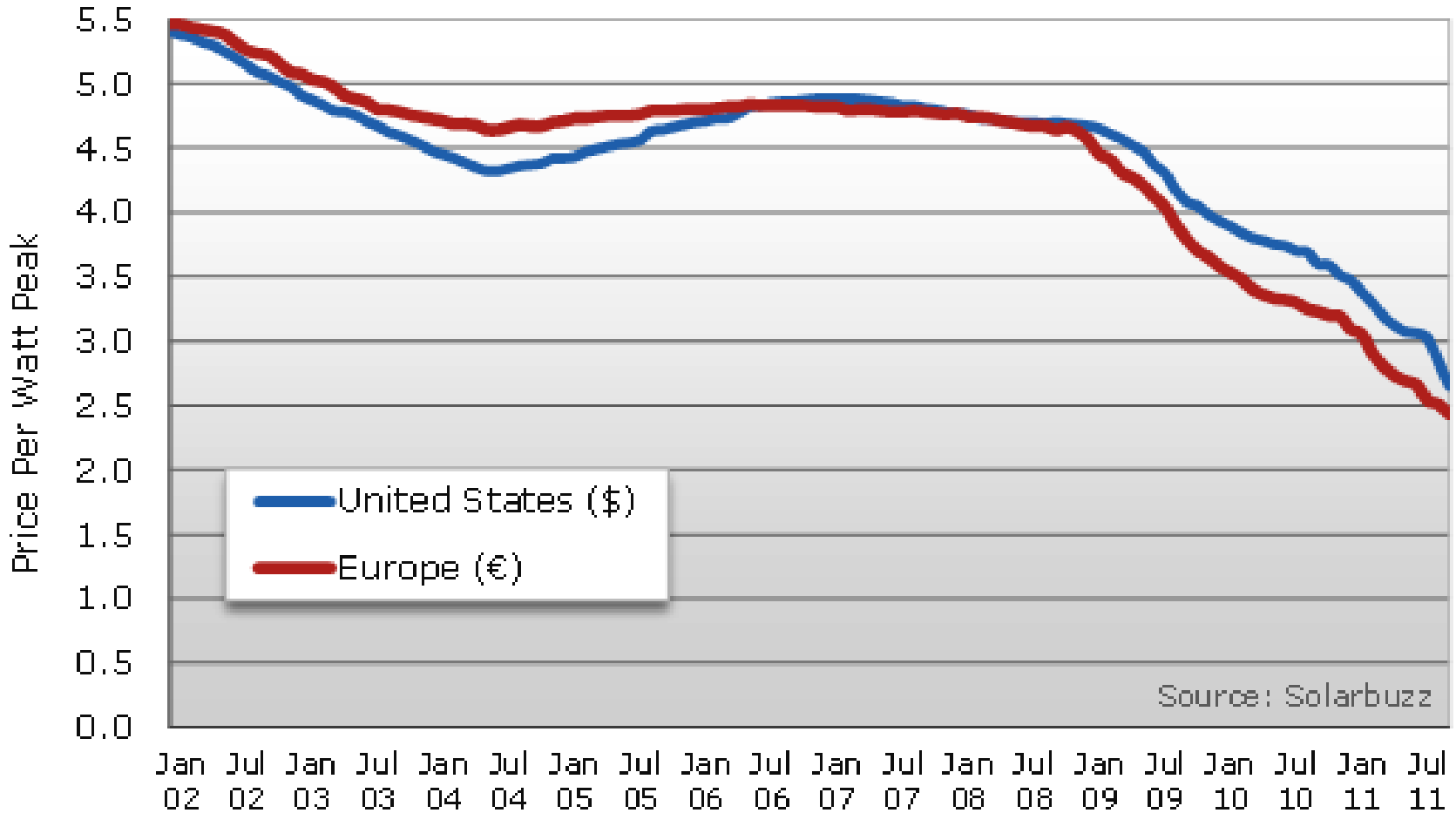


# SB 2 1X

Category	% of Retail Sales From Eligible Renewable Resources	Date by Which Compliance Must Occur
Category or Compliance Period 1	20%	Dec. 31, 2013
Category or Compliance Period 2	25%	Dec. 31, 2016
Category or Compliance Period 3	33%	Dec. 31, 2020

# Solar Pricing Trends

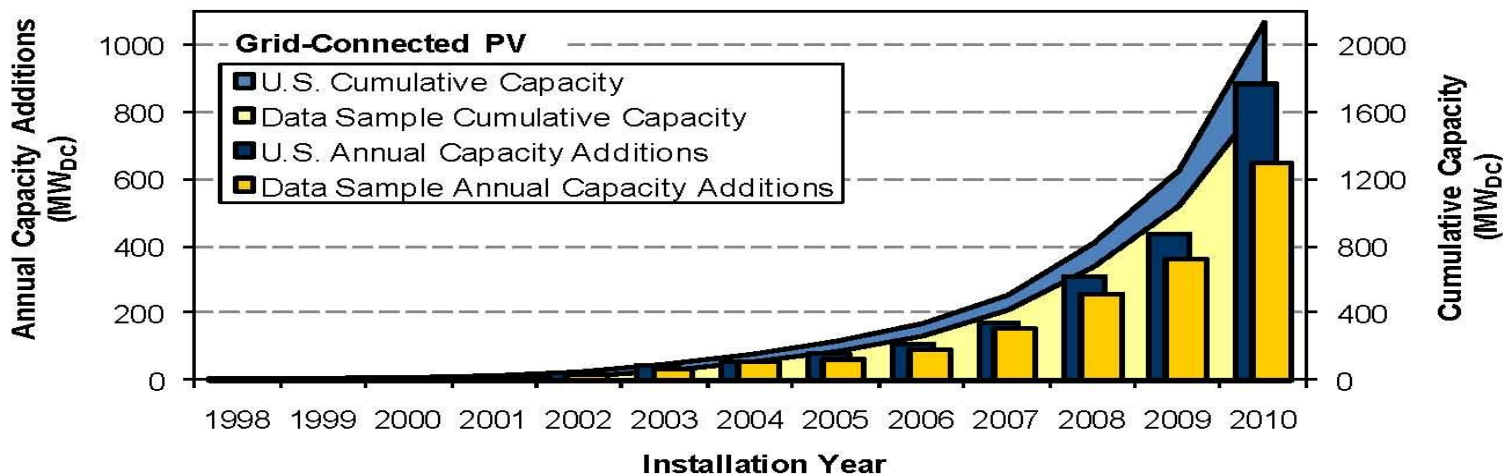
Solarbuzz Retail Module Price Index  
Dec 2001- Sept 2011



# U.S. Grid-Connected PV Capacity Additions

**Table 1. Data Sample by Installation Year and Market Segment**

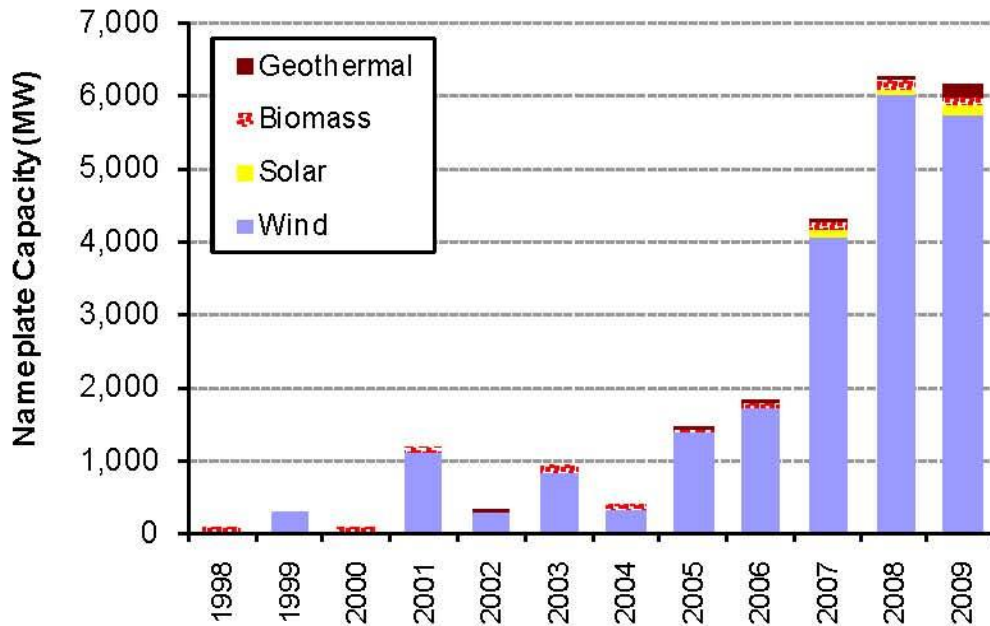
Installation Year	No. of Systems			Capacity (MW <sub>DC</sub> )		
	Behind-the-Meter	Utility	Total	Behind-the-Meter	Utility	Total
1998	39	0	39	0.2	0	0.2
1999	185	0	185	0.8	0	0.8
2000	224	0	224	1.0	0	1.0
2001	1,323	0	1,323	5.5	0	5.5
2002	2,540	0	2,540	16	0	16
2003	3,594	0	3,594	34	0	34
2004	5,641	2	5,643	45	8	53
2005	5,598	0	5,598	62	0	62
2006	8,788	0	8,788	91	0	91
2007	12,892	2	12,894	132	22	155
2008	14,476	3	14,479	238	18	256
2009	25,335	4	25,339	307	56	363
2010	35,869	20	35,888	466	180	646
<b>Total</b>	<b>116,504</b>	<b>31</b>	<b>116,535</b>	<b>1,400</b>	<b>285</b>	<b>1,685</b>



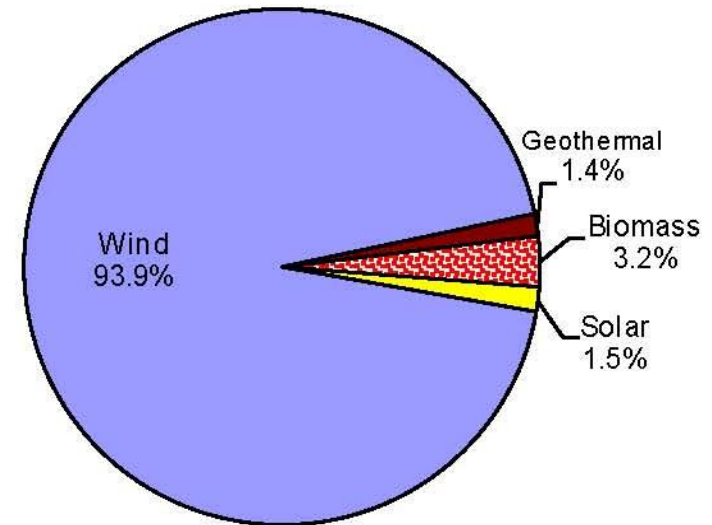
Data sources for U.S. grid-connected PV capacity additions: Larry Sherwood (Interstate Renewable Energy Council) and SEIA/GTM.

## RPS-Motivated\* Renewable Energy Capacity Additions from 1998-2009, by Technology Type

Annual RPS-Motivated Capacity Additions



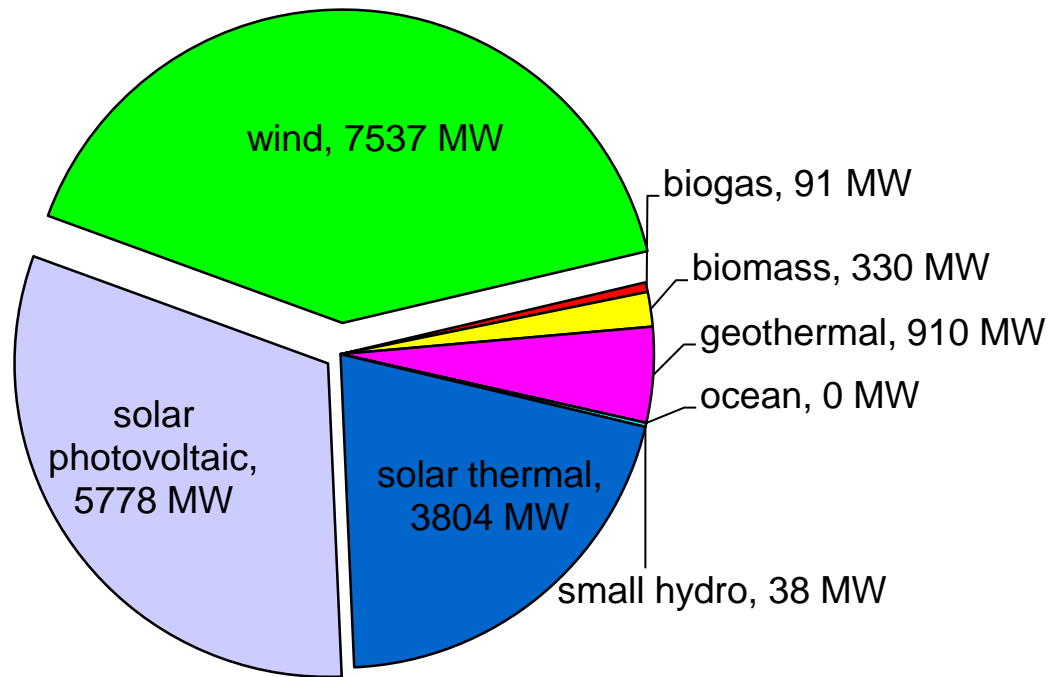
Total RPS-Motivated Capacity Additions (1998-2009)



\*Renewable additions are counted as "RPS-motivated" if and only if they are located in a state with an RPS policy and commercial operation began no more than one year before the first calendar year of RPS compliance obligations in the host state.

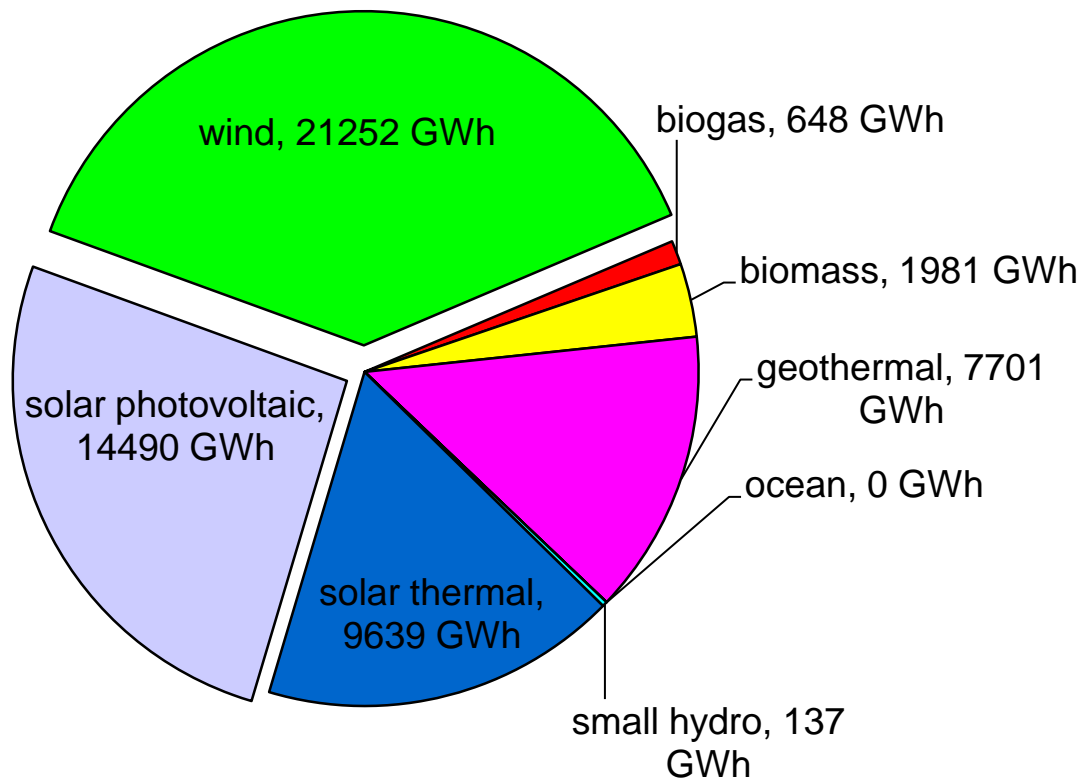
# CA IOU's Renewable Portfolio

## CA IOU's Total Renewable Energy Capacity Currently Under Contract from Contracts Signed Since 2002, by Technology

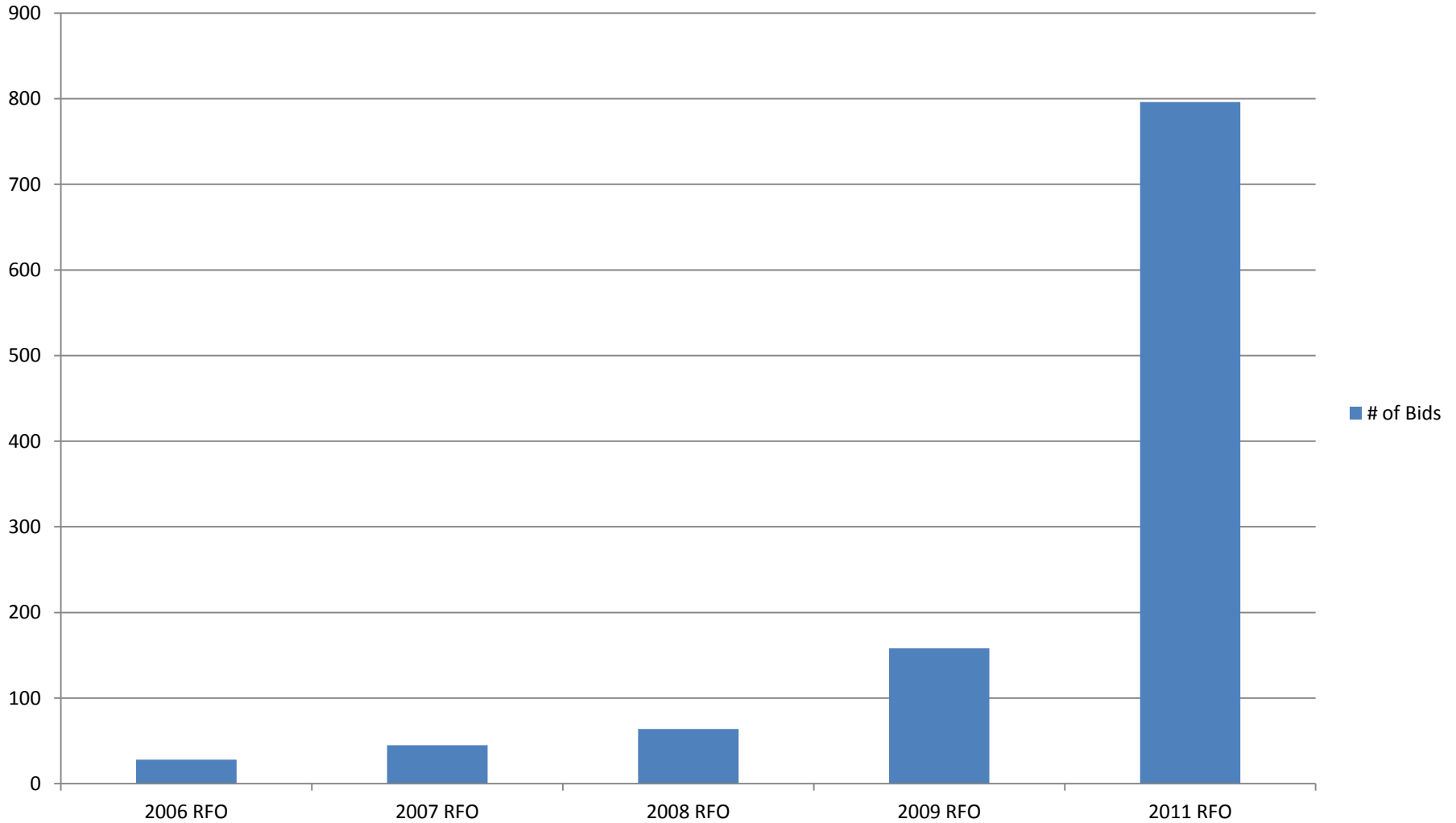


# CA IOU's Future Renewable Portfolio

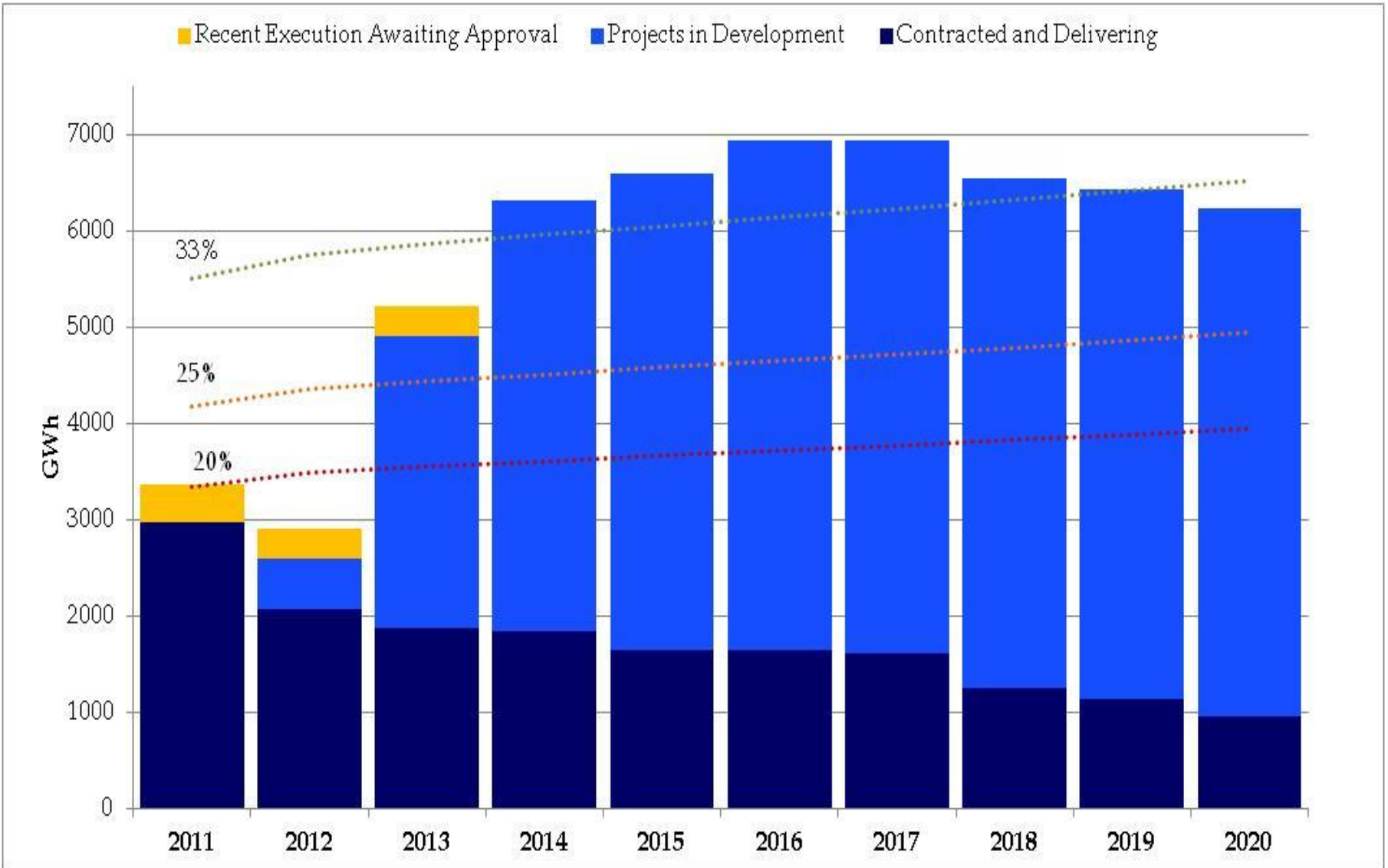
## CA IOU's Total Expected Renewable Deliveries from Contracts Signed Since 2002, by Technology (minimum GWh)



## Number of Bids Per RFO Year



# SDG&E's RPS Position as of December 2011\*



\*- Source: SDG&E's August 2011 RPS Compliance Report and recently executed contracts awaiting CPUC approval



# Viable Project Components

---

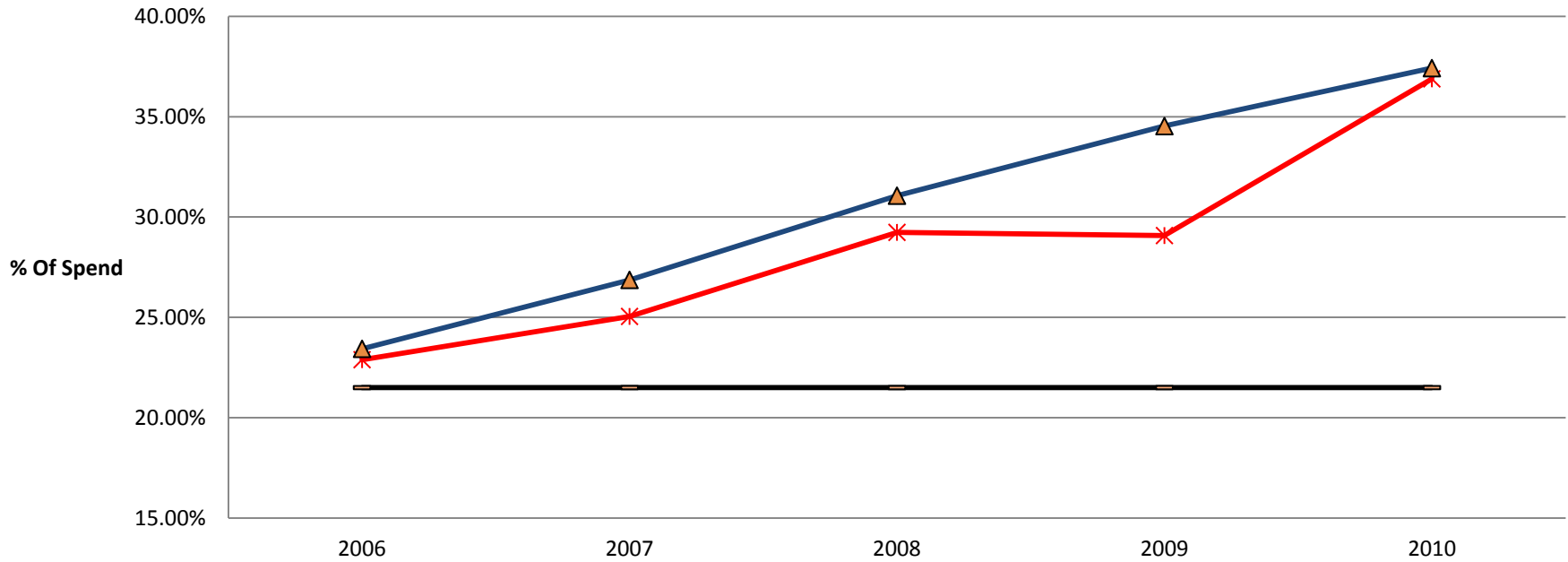
- CEC-Certifiable Technology
- Location/Site Control
- Interconnection
- Developer Experience
- Project Start Date/Compliance Period
- Price, Price, Price



# One of the Nations Most Successful Supplier Diversity Programs

A Sempra Energy utility

## Sempra Utilities Supplier Diversity Spend



	2006	2007	2008	2009	2010
SDGE	22.89%	25.05%	29.23%	29.08%	36.88%
SoCalGas	23.43%	26.87%	31.06%	34.53%	37.42%
CPUC Goals	21.50%	21.50%	21.50%	21.50%	21.50%

- Campo Band of Mission Indians of the Kumeyaay Nation, Invenenergy and SDG&E plan to build a wind energy project capable of generating up to 160 MW of renewable power
- Project is Tribe's second wind generation facility, further establishing the Campo Band as a leading tribal developer of renewable energy in the country and the East County San Diego region as a national model for harnessing renewable resources
- The project will help create a more diverse, sustainable economy and contribute revenue to essential governmental services for the Campo Band. During construction, the project will employ approximately 150 workers from various construction trades. Upon completion, 10-12 full time staff will be needed to operate and maintain the wind farm
- Project is expected to commence commercial operation in 2014



A  Semptra Energy utility

# Appendices

---

- Installed cost of PV power systems in the U.S. fell substantially in 2010 and into the first half of 2011, according to the latest edition of an annual PV cost tracking report released by the Department of Energy's Lawrence Berkeley National Laboratory (Berkeley Lab)
- Avg. installed cost of residential and commercial PV systems completed in 2010 fell by roughly 17% from the year before, and by an additional 11% within the first six months of 2011
- Utility-sector PV, costs varied over a wide range for systems installed in 2010, with the cost of systems greater than 5,000 kilowatts (kW) ranging from \$2.90/W to \$6.20/W, reflecting differences in project size and system configuration, as well as the unique characteristics of certain individual projects. Consistent with continued cost reductions, current benchmarks for the installed cost of prototypical, large utility-scale PV projects generally range from \$3.80/W to \$4.40/W