

# **Emerging Renewables Program**

**Status and Future Directions**

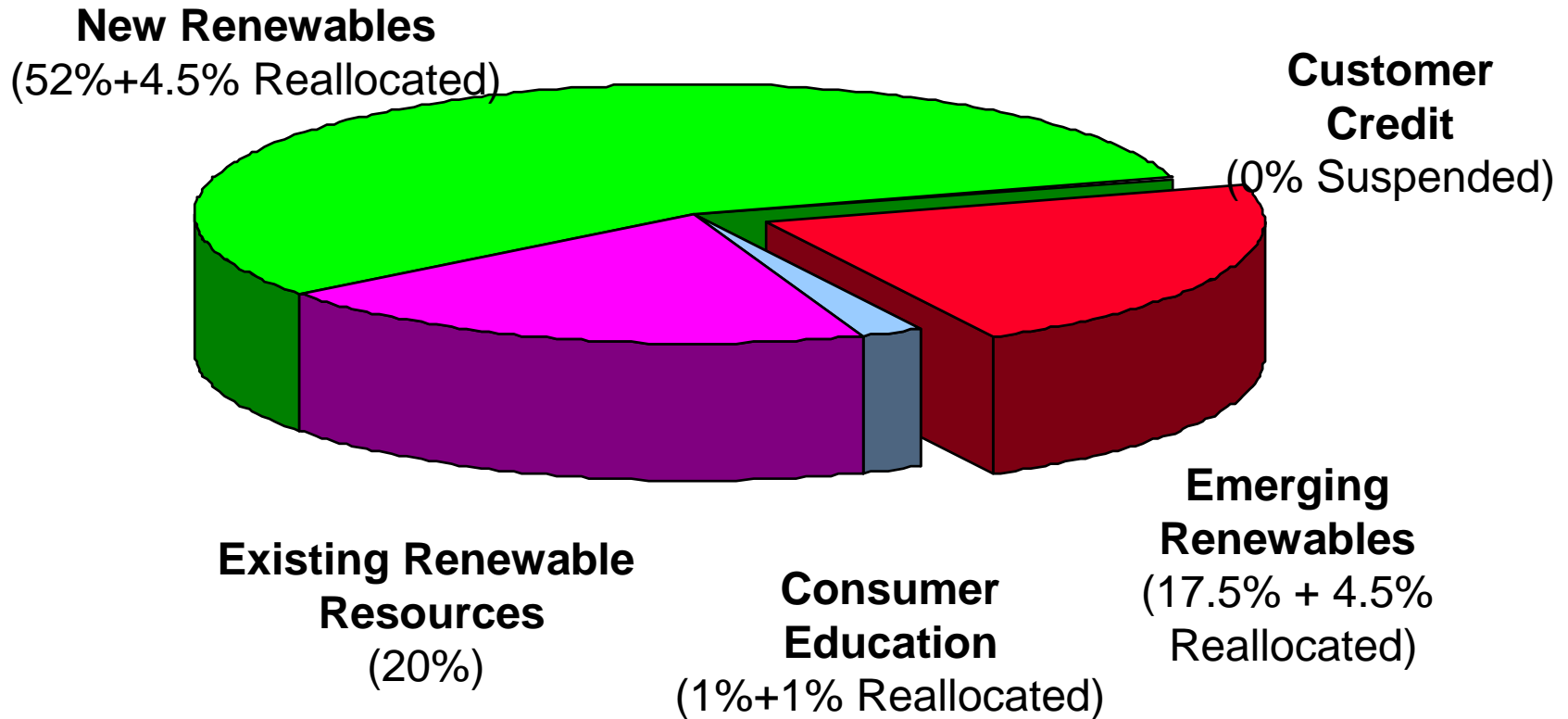
**Solar Forum  
Anaheim, CA  
November 20, 2003**

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Renewable Energy Program  
California Energy Commission

# Emerging Renewables Program

- Overall Funding
- Accomplishments
- Past and Current Activity
- Future Directions
  - Funding issues
  - Program revisions
  - Upcoming activity

# Renewable Energy Program Funding Allocation 2002 - 2006



Note: Customer Credit funds (10%) were authorized to be used in other program areas; however, the details of how the funds will be used have not been established.

# Accomplishments

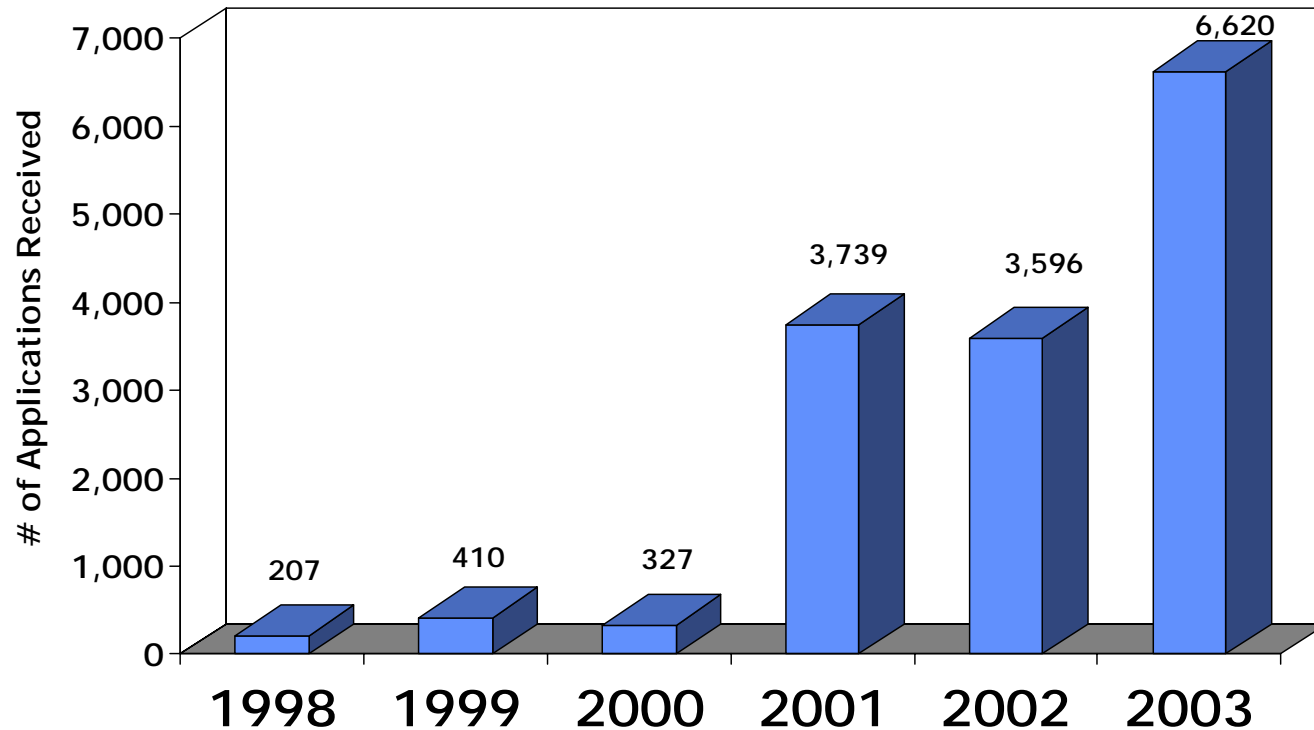
- 6,775 completed projects total 26 MW capacity from solar photovoltaic, small wind, and fuel cell systems installed on residential and commercial sites
- Over 3,100 systems totaling over 13 MW of capacity are in progress with about \$53 million reserved
- Over \$105 million in rebates has been paid for completed systems

# Past and Current Activity

- Applications received
- Systems installed
- Current program status
- System prices

# Applications Received by Emerging Renewables Program

- The number of applications from March to November 2003 is over 80% higher than 2002.



Updated 11/17/03

## Application Outcomes by Year Received

Year	# Apps	Projects Completed	Disapproved	Canceled	Expired	% Completed
1998	207	125	20	62	0	60
1999	410	217	129	62	2	53
2000	327	217	11	95	4	66
2001*	3,739	2,364	230	429	710	63
2002**	3,596	2,366	402	39	601	66
2003***	6,620	1,473	323	57	11	--
Total	14,899	6,762	1,115	744	1,328	--

\*Number of applicants re-applied to reserve increased rebate.

\*\*About 200 projects still have reservations at this time. Funding exhausted in October 2002.

\*\*\*Of the total applications, about 3,700 are approved and 1,000 are received.

# Systems Installed through the Emerging Renewables Program

	<i>Year</i>	<i>Number</i>	<i>kW</i>	<i>Amount (millions)</i>
•	1998	41	181	\$0.5
•	1999	197	1,060	\$2.9
•	2000	235	802	\$2.2
•	2001	1,292	4,294	\$16.9
•	2002	2,331	8,499	\$36.4
•	2003	2,679	11,364	\$46.1
	<b>Grand Total</b>	<b>6,775</b>	<b>26,201</b>	<b>\$105.0</b>

# Current Program Status

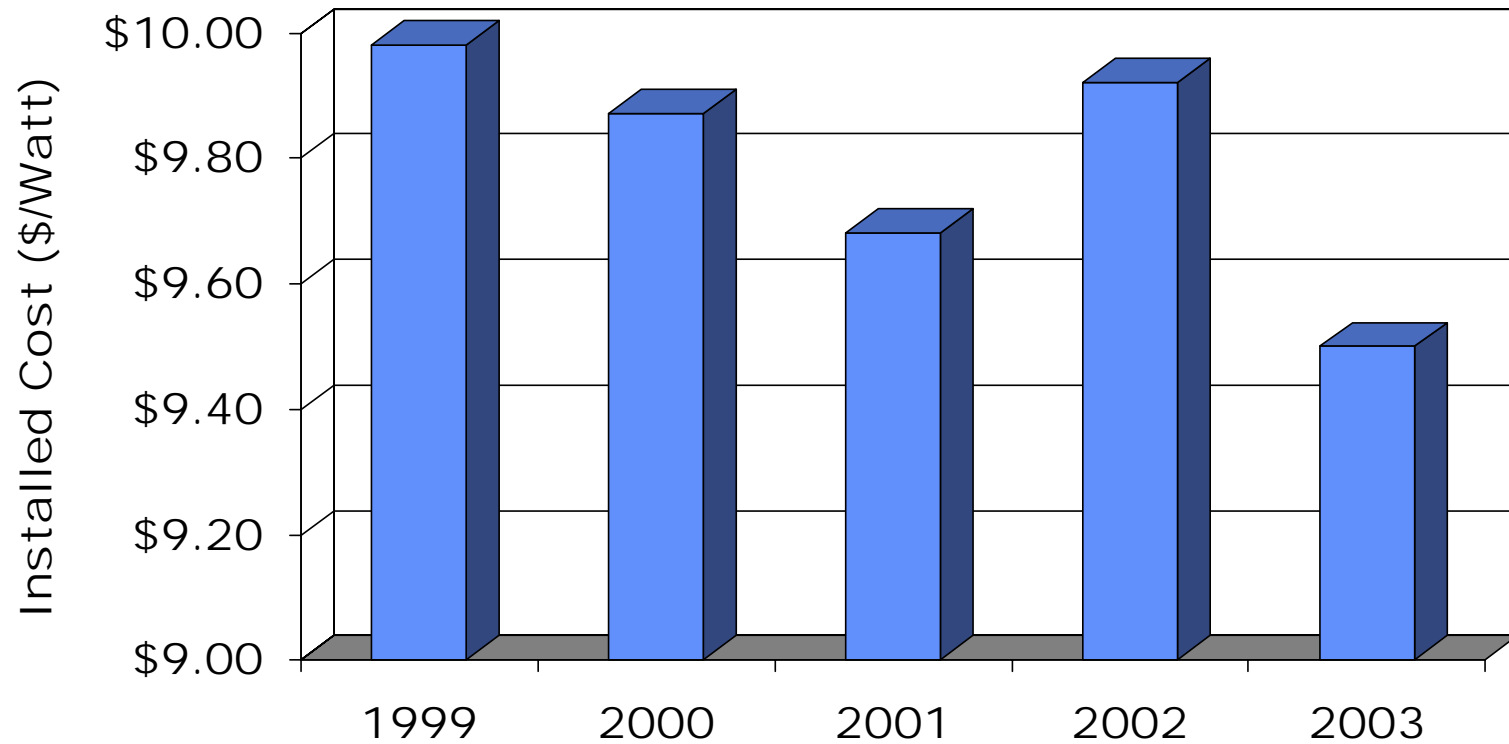
	<b>Records</b>	<b>Size Watts (MW)</b>	<b>Requested\$ (Millions)</b>
• <i>Active</i>	2,779	12.2	\$47.4
• <i>Claims</i>	304	1.4	\$5.7
• <i>Extensions</i>	16	0.08	\$0.3
<i>Projects</i>			
• <i>Complete</i>	6,775	26.2	\$105.0
<b>Totals</b>	<b>9,874</b>	<b>39.9</b>	<b>\$158.4*</b>

*\*Does not reflect applications to be reviewed.*

***As of 11/17/03, processing September 30 reservations, October 30  
payment claims.***

Updated 11/17/03

# Price Trends for Small PV Systems

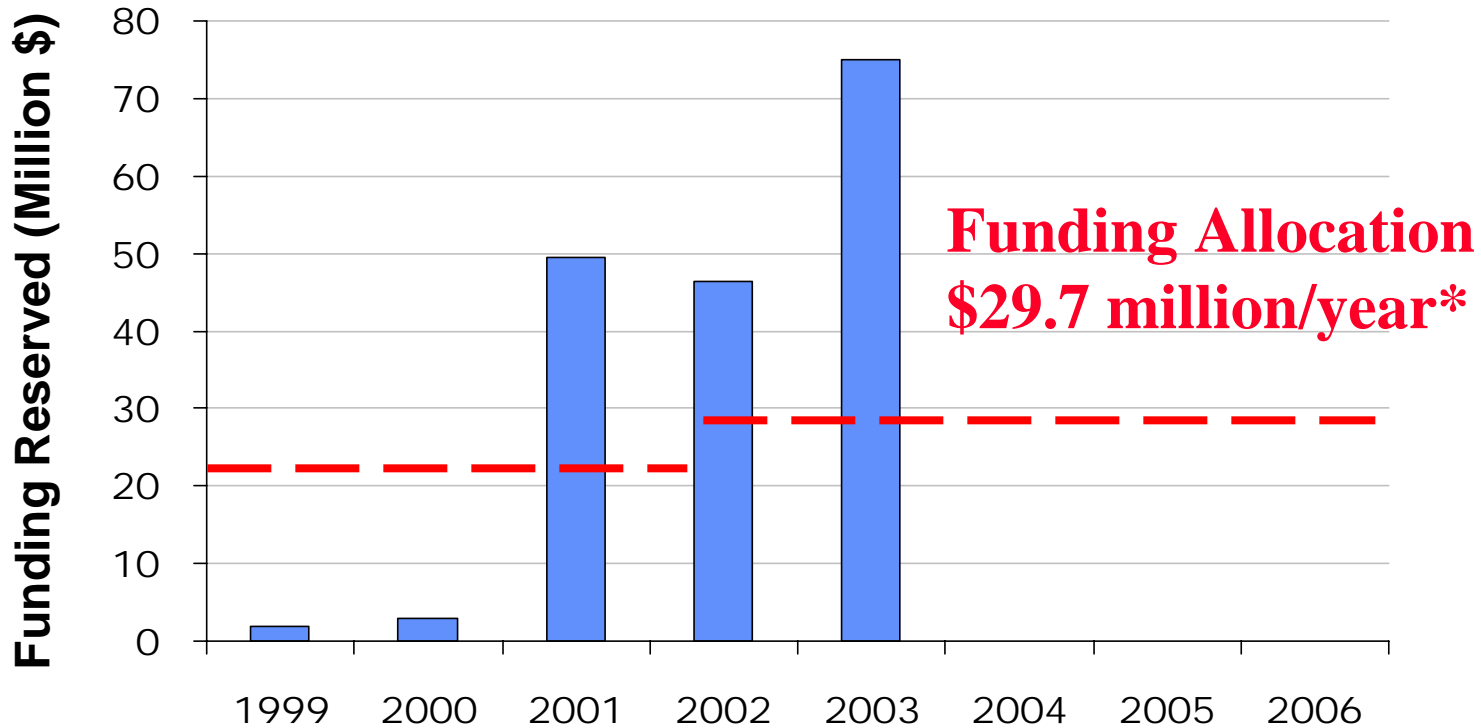


# Future Directions

- Funding issues
- Proposed revisions to program
- Upcoming activity

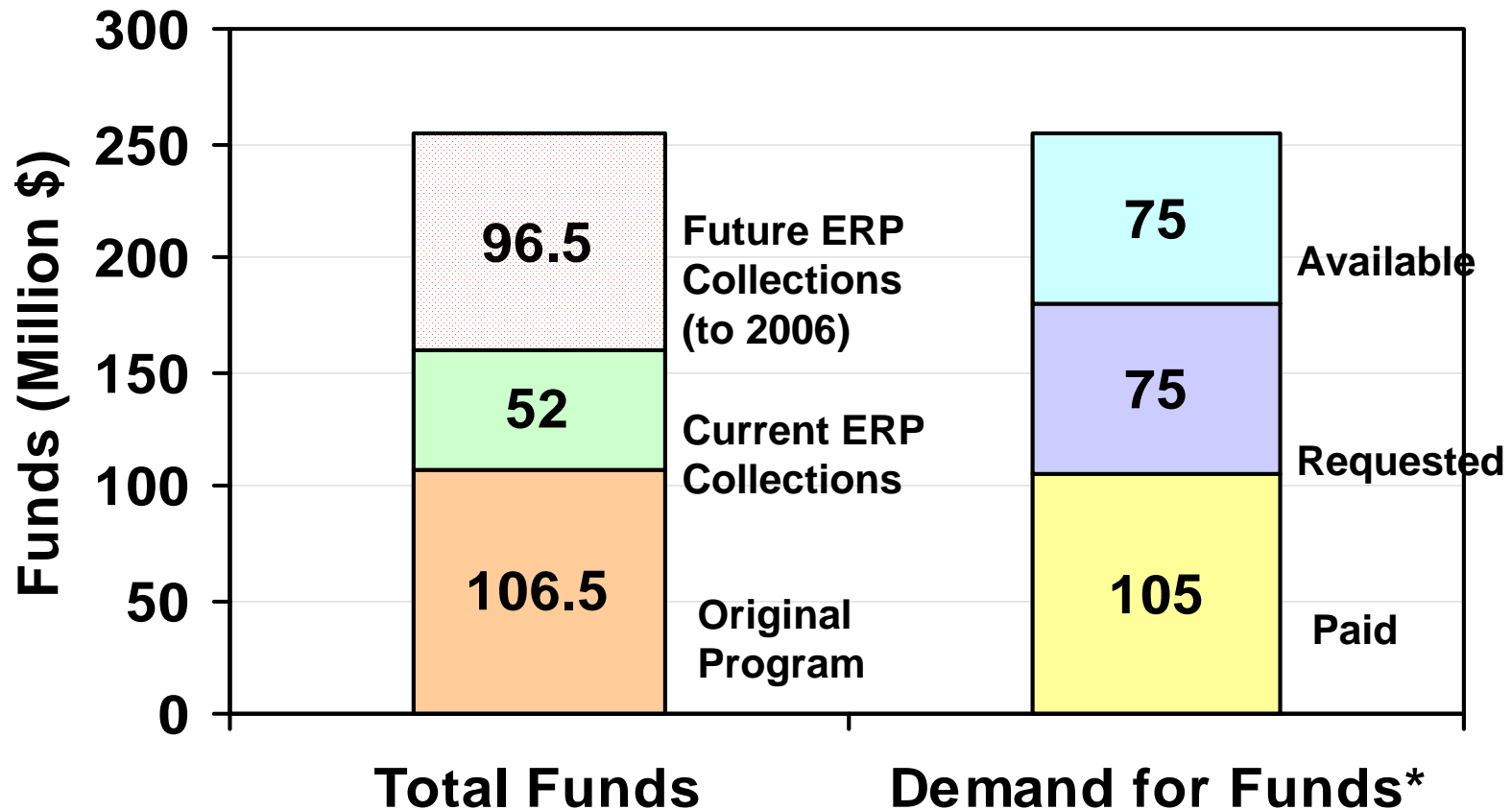


# Funds Allocated & Reserved



\* Includes funds allocated from Customer Credit Program.  
Updated November 17, 2003

# Emerging Renewables Program Funding Through 2006



\* Includes \$30 million transferred from Customer Credit and \$10 million for >30 kW category.  
Note: Updated November 17, 2003.

# Stretching Rebate Funds?

- Eliminate > 30 kW performance incentive category, move \$10 million to <30 kW category
- Lower current rebate level and continue future scheduled reductions
- Investigate other funding sources
- See if CPUC program could fund over 10 kW systems
- Looking for other ideas

# Proposed Program Revisions

- Shorten reservation period to 6 months, from 9
- Change in system addition calculations
- Eliminate utility interconnect application and add form to allow CEC access to customer data at utilities
- Define “site” as legal parcel except for multi-unit complex
- Change extension requirements
- Change affordable housing energy efficiency requirements (title 24 compliance)
- Consider Solar Schools program-with \$2.25 million extra funding from CPA

# Upcoming Activity

- Committee workshop being scheduled for December 11, 2003 (Sacramento)
- Obtain comments on proposed guidebook revisions
- Consider adoption of revisions at December 17, 2003 business meeting.

# For More Information

## Call Center

**1-800-555-7794** (toll free in California)  
or e-mail at [renewable@energy.state.ca.us](mailto:renewable@energy.state.ca.us)

## Websites

[www.consumerenergycenter.org/renewable](http://www.consumerenergycenter.org/renewable)

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**Questions?**