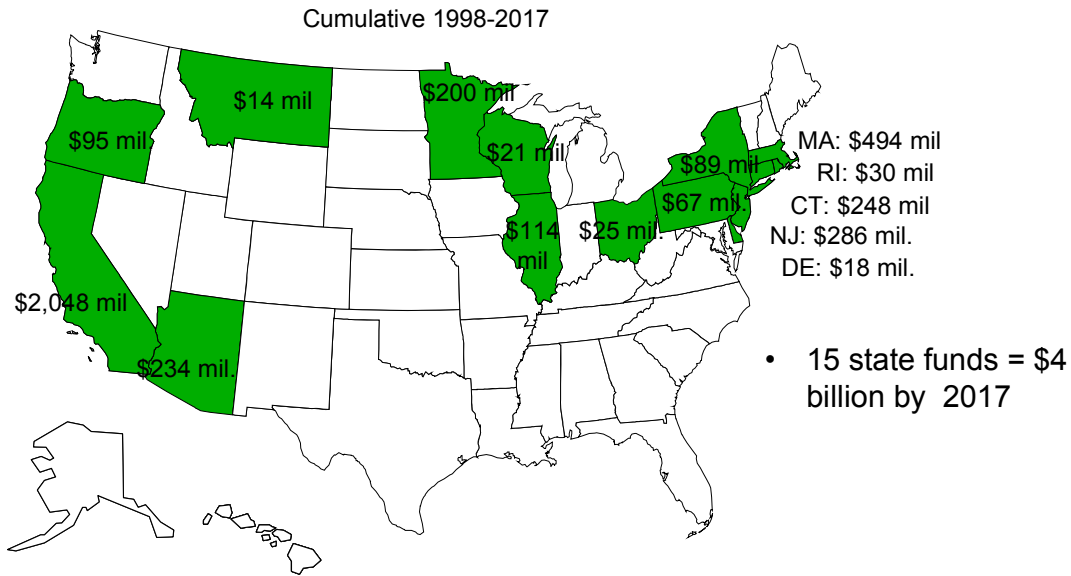


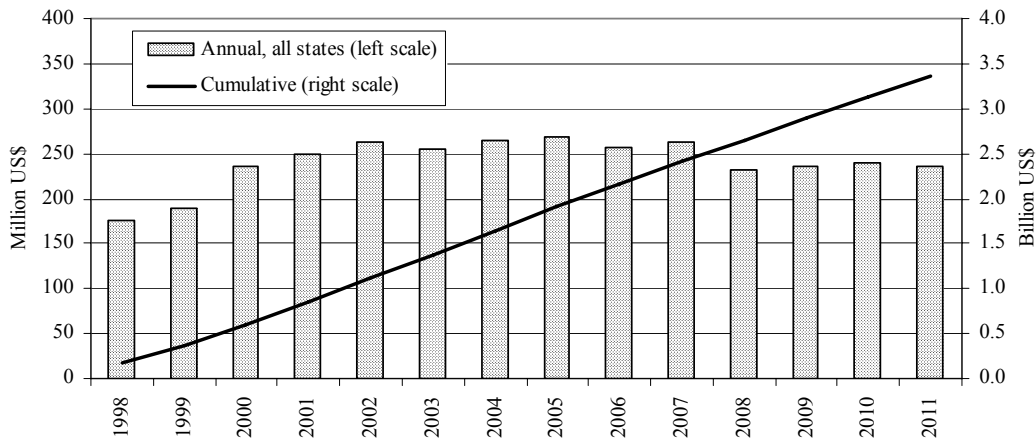
3.2 – States with System Benefit Charges (SBC)

A System Benefit Charge (SBC) is a small fee added to a customer’s electricity bill used to fund programs that benefit the public, such as low-income energy assistance, energy efficiency, and renewable energy. There are 15 states with SBCs (**Table 3.2.1**) through which a portion of the money will be used to support renewable resources. Together, these states will collect about \$4 billion (**Figure 3.2.1**) in funds to support renewable resources between 1998 and 2017.



Source: Union of Concerned Scientists, June 2004
http://www.ucsusa.org/clean_energy/clean_energy_policies/state-clean-energy-maps-and-graphs.html

Figure 3.2.1: State System Benefit Funds



Source: Bolinger, M., R. Wiser, L. Milford, M. Stoddard, and K. Porter. *Clean Energy Funds: An Overview of State Support for Renewable Energy*, Lawrence Berkeley National Laboratory, April 2001.

Figure 3.2.2: Aggregation Annual and Cumulative State Funding

Table 3.2.1: Renewable Energy Funding Levels and Program Duration

State	Approximate Annual Funding (\$ Million)	\$ Per-Capita Annual Funding	\$ Per-MWh Funding	Funding Duration
CA	135	4.0	0.58	1998 - 2012
CT	15 → 30	4.4	0.50	2000 - indefinite
DE	1 (maximum)	1.3	0.09	10/1999 - indefinite
IL	5	0.4	0.04	1998 - 2007
MA	30 → 20	4.7	0.59	1998 - indefinite
MN	9	N/A	N/A	2000 - indefinite
MT	2	2.2	0.20	1999 - 7/2003
NJ	30	3.6	0.43	2001 - 2008
NM	4	2.2	0.22	2007 - indefinite
NY	6 → 14	0.7	0.11	7/1998 - 6/2006
OH	15 → 5 (portion of)	1.3	0.09	2001 - 2010
OR	8.6	2.5	0.17	10/2001 - 9/2010
PA	10.8 (portion of)	0.9	0.08	1999 - indefinite
RI	2	1.9	0.28	1997 - 2003
WI	1 → 4.8	0.9	0.07	4/1999 - indefinite

Note: Annual and per-MWh funding are based on funds expected in 2001.

Source: Bolinger et al., 2001

SBC funding, so far, has supported the development of 707 MW of generating capacity that is online. A further 1,548 MW of new capacity is still pending for a total of 163 different projects. Nationwide, there is currently about \$345 million in funding obligated through the respective SBC programs (**Table 3.2.2**).

**Table 3.2.2: State SBC Funding for Utility-Scale Renewable Projects
(as of September 2004)**

Project Location	# of Projects	Original Dollars Obligated (\$)	Current Dollars Obligated (\$)	Capacity Obligated (MW)	Capacity Cancelled (MW)	Capacity Pending (MW)	Capacity On-Line (MW)
CA	60	\$243,573,376	\$193,019,993	1,285.3	30.6	830.1	424.5
IL	4	\$9,305,000	\$9,305,000	101.6	0.0	51.2	50.4
MA	4	\$19,469,093	\$19,469,093	49.6	0.0	49.6	0.0
MN	68	\$61,841,977	\$61,841,977	124.9	1.7	91.7	31.5
NH*	1	\$2,378,930	\$2,378,930	50.0	0.0	50.0	0.0
NJ	5	\$14,590,000	\$14,590,000	41.1	0.0	41.4	0.0
NY	12	\$26,560,000	\$26,560,000	325.2	0.0	283.6	41.6
OR	1	\$3,800,000	\$3,800,000	41.0	0.0	0.0	41.0
PA	8	\$17,600,000	\$14,000,000	269.6	0.0	151.1	118.5
Total	163	\$399,118,376	\$344,964,993	2,288.1	32.3	1,548.4	707.4

*New Hampshire does not currently have a clean energy fund. The single project located in New Hampshire is receiving support from Massachusetts' clean energy fund.

Source: Bolinger, M., R. Wiser, and G. Fitzgerald, 2004. *The Impact of State Clean Energy Fund Support for Utility-Scale Renewable Energy Projects*. Prepared by Lawrence Berkeley National Laboratory and the Clean Energy States Alliance, October. http://www.cleanenergystates.org/CaseStudies/LBNL-56422_Utility-Scale_Renewables.pdf

Of the 163 projects announced, the vast majority – both in terms of number of projects and generating capacity – are wind power projects (**Table 3.2.3**). In descending order of capacity are geothermal, landfill gas, biomass, hydropower, waste tire, and digester gas.

**Table 3.2.3: Support for Utility-Scale Renewable Projects by Resource Type
(as of September 2004)**

Resource Type	# of Projects	Original Dollars Obligated (\$)	Current Dollars Obligated (\$)	Capacity Obligated (MW)	Capacity Cancelled (MW)	Capacity Pending (MW)	Capacity On-Line (MW)
Biomass	8	\$15,406,770	\$11,466,832	85.2	9.5	64.4	11.3
Digester Gas	3	\$4,108,210	\$4,108,210	6.0	0.0	3.9	2.1
Geothermal	4	\$80,331,618	\$80,331,618	156.9	0.0	97.9	59.0
Hydro	7	\$12,977,258	\$11,787,988	45.7	0.0	14.5	31.3
Landfill Gas	28	\$38,108,552	\$31,098,469	90.7	19.8	35.1	35.8
Waste Tire	1	\$7,232,413	\$3,287,461	30.0	0.0	30.0	0.0
Wind	112	\$240,953,555	\$202,884,417	1,873.60	3.0	1,302.6	568.0
Total	163	\$399,118,376	\$344,964,993	2,288.1	32.3	1,548.4	707.4

Source: Bolinger, M., R. Wiser, and G. Fitzgerald, 2004. *The Impact of State Clean Energy Fund Support for Utility-Scale Renewable Energy Projects*. Prepared by Lawrence Berkeley National Laboratory and the Clean Energy States Alliance, October. http://www.cleanenergystates.org/CaseStudies/LBNL-56422_Utility-Scale_Renewables.pdf