

**SUMMARY OF STATE "NET METERING" PROGRAMS**

State	Utilities	Eligible Fuels	Eligible Customers	Limit on System Size	Limit on Overall Enrollment	Treatment of Net Excess Generation (NEG) <sup>(1)</sup>	Enacted	Citation / Reference
Arizona	IOUs and RECs	Renewables & cogeneration	All customer classes	≤ 100 kW	None	Monthly NEG purchased at avoided cost	1981	Ariz. Corp. Comm. Decision No. 52345
Arkansas	All utilities	Solar, wind, hydro, geothermal, and biomass <sup>(2)</sup>	All customer classes	≤ 25 kW (residential); ≤ 100 kW (commercial or agricultural)	None	Not specified	2001	HB 2325 (enacted April 2001, effective October 2001)
California <sup>(3)</sup>	All utilities	Solar and wind	All customer classes	£ 1000 kW	None	Customers are billed annually; excess generation is granted to the utility. Also allows bi-directional time-of-use metering	1995	Cal. Pub. Util. Code § 2827 (as amended 1998, 2000 and 2001).
Colorado	Individual utilities	All resources	All customer classes	≤ 10 kW	None	NEG carried over month-to-month	1994	Public Service Co. of CO, Advice Letter 1265; Decision C96-901; and various RECs
Connecticut	IOUs	Solar, wind, hydro, fuel cell, sustainable biomass	Residential <u>only</u>	No limit	None	Not specified	1998	Conn. Gen. Stat. 16-243h
Delaware	All utilities	Renewables	All customer classes	≤ 25 kW	None	Not specified	1999	DE Legislature, S Amend 1 to HB 10
Georgia	All utilities	Solar, wind or fuel cells	Residential or commercial	≤ 10 kW (residential); ≤ 100 kW (commercial)	0.2% of previous year's annual peak demand for each utility	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	2001	Senate Bill 93
Idaho	IOUs	Renewables & cogeneration	Idaho Power only; residential and small commercial	≤ 100 kW	None	Monthly NEG purchased at avoided cost	1980	ID PUC Orders No. 16025 (1980); 26750 (1997)
Illinois	Com Ed only	Solar and wind	All customer classes	< 40 kW	0.1% of annual peak demand	Monthly NEG purchased at avoided cost	1999	Special billing experiment (effective 4/1/00)
Indiana	IOUs only	Renewables & cogeneration	All customer classes	≤ 1,000 kWh/month	None	Monthly NEG granted to the utility.	1985	170 IN Admin Code § 4-4.1-7
Iowa	IOUs only	Renewables	All customer classes	No limit	None	Monthly NEG purchased at avoided cost	1983	IA Legislature & IA Utilities Board, Utilities Division Rules § 15.11(5)
Maine	All utilities	Renewables, fuel cells & recycled municipal solid waste	All customer classes	≤ 100 kW	None	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	1998	Code Me. R. Ch. § 313 (1998); see also Order No. 98-621 (December 19, 1998).
Maryland	All utilities	Solar <u>only</u>	Residential customers & schools	≤ 80 kW	0.2% of 1998 peak demand	NEG carried over to following month; otherwise not specified	1997	MD Legislature, Art. 78, Sec. 54M
Massachusetts	All utilities	Renewables & cogeneration	All customer classes	≤ 60 kW	None	Monthly NEG purchased at avoided cost	1997	Mass. Gen. L. ch. 164, § 1G(g); Dept. of Tel. & Energy 97-111
Minnesota	All utilities	Renewables & cogeneration	All customer classes	< 40 kW	None	Monthly NEG purchased at "average retail utility energy rate"	1983	Minn. Stat. § 261B.164(3)
Montana	IOUs	Solar, wind or hydro	All customer classes	≤ 50 kW	None	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	1999	S.B. 409
Nevada	All utilities	Solar and wind	All customer classes	≤ 10 kW	100 customers for each utility	Annualization allowed; no compensation required for NEG	1997	Nev. Rev. S. Ch. 704
New Hampshire	All utilities	PV, wind & hydro	All customer classes	≤ 25 kW	0.05% of annual peak	NEG carried over to following month	1998	NH Rev. Stat. §§362A:1-a & 362-A:9
New Jersey	All utilities	Photovoltaic and wind	Residential and small commercial	No limit (100 kW limit proposed)	0.1% of peak or \$2,000,000 annual financial impact	NEG credited to following month; at end of annual period any unused credits are purchased at avoided cost.	1999	N.J. Rev. Stat. § 48:3-87 Sec. 38(e)
New Mexico	All utilities	Renewables & cogeneration	All customer classes	≤ 10 kW	None	At utility's option, customer is credited on the next bill for (1) purchase of NEG at utility's avoided cost; or (2) kilowatt-hour credit for NEG that carries over from month to month.	1999	17 N.M. Admin. Code 10.571
New York	All utilities	PV <u>only</u>	Residential <u>only</u>	≤ 10 kW	0.1% of 1996 peak	NEG credited to following month; at end of annual period any unused credits are purchased at avoided cost	1997	N.Y. Pub. Serv. Law § 66-j
North Dakota	IOUs only	Renewables & cogeneration	All customer classes	≤ 100 kW	None	Monthly NEG purchased at avoided cost	1991	N.D. Admin. Code § 69-09-07-09
Ohio	All utilities	Solar, wind, biomass, landfill gas, hydro, microturbines, or fuel cells	All customer classes	No limit	1.0% of peak demand for each retail electric provider	NEG purchased at unbundled generation rate, appears as credit on following bill	1999	Ohio Rev. Code. § 4928.67
Oklahoma	All utilities	Renewables & cogeneration	All customer classes	≤ 100 kW <u>and</u> annual output ≤ 25,000 kWh	None	Monthly NEG is granted to utility	1990	Okla. Corp. Comm. Schedule OF-2
Oregon	All utilities	Solar, wind, fuel cell and hydro	All customer classes	≤ 25 kW	No less than 0.5% of utility's historic single-hour peak load; beyond 0.5% eligibility can be limited by regulatory authority	NEG purchased at avoided cost or credited to following month; at end of annual period unused credits shall be granted to low-income assistance programs, credited to customer, or "dedicated to other use" as determined by regulatory authority	1999	Or. Rev. Stat. 757.300
Pennsylvania	All utilities	Renewables <u>only</u> (includes fuel cells)	All customer classes	≤ 10 kW	None	Monthly NEG is granted to utility	1998	52 Pa. Cons. Stat. § 57.34(b)(4), and individual utility tariffs
Rhode Island	Narragansett Electric	Renewables & fuel cells	All customer classes	≤ 25 kW	1 MW	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	1998	R.I. PUC, Order, Docket No. 2710
Texas	IOUs and RECs	Renewables <u>only</u>	All customer classes	≤ 50 kW	None	Monthly NEG purchased at avoided cost	1986	Tex. PUC, Substantive Rules, § 25.242(h)(4)
Vermont	All utilities	Solar, wind, fuel cells using renewable fuel, anaerobic digestion	Residential, commercial, and agricultural	≤ 15 kW, except ≤ 125 kW for anaerobic digesters <sup>(4)</sup>	1% of 1996 peak	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	1998	VT. Stat. Ann. § 219a (as amended 1999)
Virginia	All utilities	Solar, wind and hydro	Residential and commercial	≤ 10 kW (residential); ≤ 25 kW (commercial)	0.1% of annual peak demand	NEG is credited to following month; at end of annual period, excess generation is carried over to the next annual period.	1999	Va. Code Ann. § 56-594

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Washington	All utilities	Solar, wind, hydro and fuel cells	All customer classes	≤ 25 kW	0.1% of 1996 peak, with no less than half for renewables	NEG credited to following month; at end of annual period any unused credits are granted to utility without compensation	1998	Wash. Rev. Code § 80.60 (amended 2000)
Wisconsin	IOUs only	All Resource	All retail customers	≤ 20 kW	None	Monthly NEG purchased at retail rate for renewables, avoided cost for non-renewables	1993	Wis. PSC, Schedule PG-4
Wyoming	IOUs and RECs, Munis exempt	Solar, wind, and hydropower	All customer classes	≤ 25 kW	None	NEG credited to following month; at end of annual period any unused credits are purchased by utility at avoided cost	2001	WY Legislature, House Bill 195, signed into law February 2001, effective July 2001

Entries in *italics* indicate recent amendments or other revisions

<sup>(1)</sup>In all cases, energy generation is netted against energy consumption on an equal basis, down to zero net energy use during the designated period. Treatment of 'net excess generation' is relevant only when total generation exceeds total consumption over the entire billing period, i.e. the customer has more than offset his/her total electricity use and has a negative meter reading.

<sup>(2)</sup>The Arkansas law also extends eligibility to fuel cells or microturbines if the fuel is derived entirely from renewable resources.

<sup>(3)</sup>The 2001 amendments, which (A) extended eligibility to all customer classes; (B) extended the system size limit to 1,000 kW (1 MW); and (C) eliminated the overall 'cap' of 0.1% of each utility's peak demand applies through the end of 2002 only. Absent further amendment these provisions would revert to the pre-2001 requirements.

<sup>(4)</sup>The Vermont law was amended in 1999 to allow Vermont Public Services Board to permit net metering for up to five systems per year that produce more than 15 kilowatts (AC) capacity, but do not produce more than 100 kilowatts of power and do not use methane gas.

#### SUMMARY OF PROPOSED OR PENDING "NET METERING" PROGRAMS

State	Utilities	Eligible Fuels	Eligible Customers	Limit on System Size	Limit on Overall Enrollment	Treatment of Net Excess Generation (NEG) <sup>(1)</sup>	Enacted	Citation / Reference
District of Columbia (authorized)	All utilities	Renewables, cogeneration, fuel cells, microturbines	Residential or commercial	≤ 100 kW	None	Customer-generator "may receive compensation based on the net metering rules established by the Commission."	Pending	Authorized by District of Columbia Enrolled Bill 13-284; requires further Commission action
Hawaii (pending)	All utilities	Solar, wind, hydro, and biomass	Residential or commercial	≤ 10 kW	0.5% of each utility's peak demand	Customer-generators are billed annually; excess generation is granted to the utility	Pending	House Bill 173, passed legislature and sent to Governor May 2001
Kansas (proposed)	All utilities	Renewables	All customer classes	≤ 100 kW	10,000 kW or 10% of state's peak demand during 2001, whichever is less	NEG credited to following month; at end of annual period any unused credits are purchased at avoided cost	Pending	Senate Bill 299 (introduced February 2001)
Nebraska (proposed)	All utilities	Solar, wind, hydro, and biomass	All customer classes	No limit	No limit	NEG credited to following month; at end of annual period any unused credits may be sold to any supplier, and if not sold will be granted to the customer's retail supplier	Pending	Legislative Bill 512 (introduced January 2001)
North Carolina (proposed)	All utilities	Solar, wind, hydro, and biomass	All customer classes	≤ 10 kW (residential); ≤ 100 kW (other)	1.0% of annual peak demand	NEG credited to following month; unused credit is eliminated at end of annual billing period (residential customers only)	Pending	NC Utilities Commission, Docket No. E-100, Sub 83 (November 18, 1998)
Vermont (proposed amendment)	All utilities	No change	Amendment to include net metering systems for <u>groups</u> of customers sharing a system	Limited to ≤ 15 kW for individual systems, and up to 15 kW per customer for group systems, up to a maximum of 100 kW for group systems	No change	No change, except for accommodation of group systems	Pending	Senate 85 (introduced February 2001)