

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Vermont		
NERC Region(s).....		NPCC
Primary Energy Source		Nuclear
Net Summer Capability (megawatts).....	997	50
Electric Utilities	260	45
Independent Power Producers & Combined Heat and Power	738	42
Net Generation (megawatthours).....	6,027,962	49
Electric Utilities	626,337	45
Independent Power Producers & Combined Heat and Power	5,401,625	34
Emissions (thousand metric tons)		
Sulfur Dioxide	*	51
Nitrogen Oxide	*	50
Carbon Dioxide	25	51
Sulfur Dioxide (lbs/MWh).....	.0	51
Nitrogen Oxide (lbs/MWh).....	.1	51
Carbon Dioxide (lbs/MWh).....	9	51
Total Retail Sales (megawatthours).....	5,352,429	51
Full Service Provider Sales (megawatthours).....	5,352,429	50
Direct Use (megawatthours).....	70,908	47
Average Retail Price (cents/kWh).....	10.98	4

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Vermont			
1. Vermont Yankee	Nuclear	Entergy Nuclear Vermont Yankee	506
2. J C McNeil	Gas, Petroleum, Other	Burlington City of	52
3. Bellows Falls	Hydro	U S Gen New England Inc	49
4. Wilder	Hydro	U S Gen New England Inc	41
5. Harriman	Hydro	U S Gen New England Inc	40
6. Berlin 5	Petroleum	Green Mountain Power Corp	36
7. Vernon	Hydro	U S Gen New England Inc	24
8. Sheldon Springs Hydroelectric	Hydro	Missisquoi Associates	24
9. Burlington GT	Petroleum	Burlington City of	20
10. Ryegate Power Station	Other	Ryegate Associates	20

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Vermont						
1. Central Vermont Pub Serv Corp.....	Investor-Owned	2,198,163	948,278	853,804	396,081	0
2. Green Mountain Power Corp.....	Investor-Owned	1,933,728	581,047	707,410	645,271	0
3. Burlington City of	Public	349,920	94,247	190,386	65,287	0
4. Omya Inc	Investor-Owned	208,221	6,231	3,519	198,471	0
5. Vermont Electric Coop, Inc.....	Cooperative	152,362	121,364	8,427	22,571	0
Total Sales, Top Five Providers.....		4,842,394	1,751,167	1,763,546	1,327,681	0
Percent of Total State Sales		90	87	94	91	0

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Vermont							
Electric Utilities	1,093	773	260	-14.7	93.9	78.9	26.1
Petroleum.....	120	117	107	-1.3	10.3	11.9	10.7
Nuclear.....	496	500	0	NM	42.6	51.0	.0
Hydroelectric.....	430	103	96	-15.3	36.9	10.5	9.6
Other Renewables.....	47	53	57	2.2	4.0	5.4	5.7
Independent Power Producers and Combined							
Heat and Power	71	207	738	29.7	6.1	21.1	74.0
Nuclear.....	0	0	506	NM	.0	.0	50.8
Hydroelectric.....	47	183	208	18.0	4.0	18.7	20.9
Other Renewables.....	24	24	24	.0	2.1	2.4	2.4
Total Electric Industry	1,164	980	997	-1.7	100.0	100.0	100.0
Petroleum.....	120	117	107	-1.3	10.3	11.9	10.7
Nuclear.....	496	500	506	.2	42.6	51.0	50.8
Hydroelectric.....	477	287	303	-4.9	41.0	29.3	30.4
Other Renewables.....	71	76	81	1.5	6.1	7.8	8.1

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Vermont							
Electric Utilities	5,293,892	4,393,537	626,337	-21.1	94.2	88.8	10.4
Petroleum.....	5,764	41,265	22,607	16.4	.1	.8	.4
Natural Gas.....	5,806	827	2,029	-11.0	.1	*	*
Nuclear.....	4,315,544	3,357,696	0	NM	76.8	67.9	.0
Hydroelectric.....	895,095	848,291	367,624	-9.4	15.9	17.1	6.1
Other Renewables.....	71,683	145,458	234,077	14.1	1.3	2.9	3.9
Independent Power Producers and Combined							
Heat and Power	323,138	552,760	5,401,625	36.7	5.8	11.2	89.6
Petroleum.....	590	1,030	0	NM	*	*	.0
Nuclear.....	0	0	4,444,152	NM	.0	.0	73.7
Hydroelectric.....	143,558	345,758	786,414	20.8	2.6	7.0	13.0
Other Renewables.....	178,990	205,972	171,059	-5	3.2	4.2	2.8
Total Electric Industry	5,617,030	4,946,297	6,027,962	.8	100.0	100.0	100.0
Petroleum.....	6,354	42,295	22,607	15.1	.1	.9	.4
Natural Gas.....	5,806	827	2,029	-11.0	.1	*	*
Nuclear.....	4,315,544	3,357,696	4,444,152	.3	76.8	67.9	73.7
Hydroelectric.....	1,038,653	1,194,049	1,154,038	1.2	18.5	24.1	19.1
Other Renewables.....	250,673	351,430	405,136	5.5	4.5	7.1	6.7

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Vermont				
Petroleum (cents per million Btu).....	453.5	327.1	0.0	NM
Average heat value (Btu per gallon).....	135,810	136,130	0	NM
Average sulfur Content (percent).....	.1	.4	.0	NM
Natural Gas (cents per million Btu).....	231.5	286.1	.0	NM
Average heat value (Btu per cubic foot).....	996	1,014	0	NM

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Vermont				
Sulfur Dioxide				
Coal	—	—	—	NM
Petroleum	*	—	*	6.7
Natural Gas	—	—	—	NM
Other.....	*	*	*	.9
Total	*	*	*	4.5
Nitrogen Oxide				
Coal	—	—	—	NM
Petroleum	—	—	*	NM
Gas.....	*	*	—	NM
Other.....	*	*	*	8.7
Total	*	*	*	8.8
Carbon Dioxide				
Coal	—	—	—	NM
Petroleum	12	46	24	7.8
Gas.....	9	10	2	-17.0
Geothermal.....	—	—	—	NM
Other.....	—	—	—	NM
Total	21	56	25	2.2

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Vermont							
Retail Sales (thousand megawatthours)							
Residential.....	2,009	1,951	2,011	*	39.6	36.4	37.6
Commercial.....	1,586	1,786	1,881	1.9	31.3	33.3	35.1
Industrial.....	1,435	1,534	1,460	.2	28.3	28.6	27.3
Other.....	36	92	NA	NM	.7	1.7	NA
Total.....	5,067	5,363	5,352	.6	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	200	227	258	2.9	43.3	43.1	43.9
Commercial.....	149	181	212	4.0	32.3	34.3	36.0
Industrial.....	108	112	117	.9	23.4	21.3	19.9
Other.....	5	8	NA	NM	1.1	1.5	NA
Total.....	462	527	588	2.7	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	9.96	11.61	12.82	2.8	NA	NA	NA
Commercial.....	9.42	10.12	11.29	2.0	NA	NA	NA
Industrial.....	7.50	7.27	8.05	.8	NA	NA	NA
Other.....	14.88	8.91	NA	NM	NA	NA	NA
Total.....	9.13	9.83	10.98	2.1	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Vermont								
Number of Entities.....	4	15	NA	2	1	NA	NA	22
Number of Retail Customers.....	238,957	51,903	NA	26,265	1	NA	NA	317,126
Retail Sales (thousand megawatthours).....	4,346	772	NA	218	16	NA	NA	5,352
Percentage of Retail Sales.....	81.20	14.43	NA	4.08	.29	NA	NA	100.00
Revenue from Retail Sales (million dollars).....	477	80	NA	31	*	NA	NA	588
Percentage of Revenue.....	81.18	13.54	NA	5.20	.07	NA	NA	100.00
Average Retail Price (cents/kWh).....	10.98	10.31	NA	14.01	2.62	NA	NA	10.98

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '*'.)

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.