

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Vermont		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	1,117	50
Electric Utilities.....	259	45
Independent Power Producers & Combined Heat and Power.....	859	41
Net Generation (megawatthours).....	7,084,344	48
Electric Utilities.....	802,680	45
Independent Power Producers & Combined Heat and Power.....	6,281,664	36
Emissions (thousand metric tons)		
Sulfur Dioxide	*	51
Nitrogen Oxide	*	50
Carbon Dioxide.....	10	51
Sulfur Dioxide (lbs/MWh)	*	51
Nitrogen Oxide (lbs/MWh)	0.2	51
Carbon Dioxide (lbs/MWh).....	3	51
Total Retail Sales (megawatthours)	5,795,029	51
Full Service Provider Sales (megawatthours)	5,795,029	50
Direct Use (megawatthours)	25,524	48
Average Retail Price (cents/kWh).....	11.37	11

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Vermont			
1. Vermont Yankee.....	Nuclear	Entergy Nuclear Vermont Yankee	620
2. J C McNeil.....	Other Renewables	City of Burlington-Electric	52
3. Bellows Falls	Hydroelectric	TransCanada Hydro Northeast Inc.,	49
4. Wilder	Hydroelectric	TransCanada Hydro Northeast Inc.,	41
5. Harriman	Hydroelectric	TransCanada Hydro Northeast Inc.,	40
6. Berlin 5	Petroleum	Green Mountain Power Corp	35
7. Sheldon Springs Hydroelectric.....	Hydroelectric	Sheldon Vermont Hydro Co., Inc.	24
8. Vernon	Hydroelectric	TransCanada Hydro Northeast Inc.,	22
9. Burlington GT.....	Petroleum	City of Burlington-Electric	20
9. Ryegate Power Station.....	Other Renewables	SUEZ Energy Generation NA Inc	20

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Vermont						
1. Central Vermont Pub Serv Corp.....	Investor-Owned	2,284,464	959,454	894,662	430,348	-
2. Green Mountain Power Corp.....	Investor-Owned	1,962,923	582,284	712,118	668,521	-
3. Vermont Electric Cooperative, Inc.....	Cooperative	468,285	242,370	115,614	110,301	-
4. Burlington City of.....	Public	359,268	91,153	197,084	71,031	-
5. Omya Inc.....	Investor-Owned	219,234	6,297	4,992	207,945	-
Total Sales, Top Five Providers.....		5,294,174	1,881,558	1,924,470	1,488,146	-
Percent of Total State Sales.....		91	88	95	92	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Electric Utilities.....	1,065	1,090	262	261	260	251	258	259	96.0	23.1
Petroleum.....	117	118	111	107	107	101	100	101	10.6	9.0
Nuclear.....	496	496	-	-	-	-	-	-	44.7	-
Hydroelectric.....	404	426	99	102	96	93	100	101	36.4	9.0
Other Renewables.....	47	50	52	53	57	57	57	57	4.3	5.1
Independent Power Producers and Combined Heat and Power.....	44	71	708	733	737	747	745	859	4.0	76.9
Petroleum.....	-	-	-	-	-	7	7	7	-	0.6
Nuclear.....	-	-	506	506	506	506	506	620	-	55.5
Hydroelectric.....	40	47	178	203	207	211	208	208	3.6	18.6
Other Renewables.....	4	24	24	24	24	24	24	24	0.3	2.1
Total Electric Industry.....	1,109	1,161	970	994	997	998	1,002	1,117	100.0	100.0
Petroleum.....	117	118	111	107	107	107	107	108	10.6	9.6
Nuclear.....	496	496	506	506	506	506	506	620	44.7	55.5
Hydroelectric.....	444	474	277	305	303	304	309	309	40.1	27.6
Other Renewables.....	51	74	76	76	81	81	81	81	4.6	7.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Electric Utilities.....	4,992,578	4,839,820	4,734,002	2,971,224	626,337	643,426	673,607	802,680	96.7	11.3
Petroleum.....	2,543	13,357	31,740	9,406	22,607	17,800	10,179	7,371	*	0.1
Natural Gas.....	65,281	6,593	11,000	3,275	2,029	3,224	2,240	1,875	1.3	*
Nuclear.....	3,616,268	3,858,509	4,171,120	2,367,209	-	-	-	-	70.0	-
Hydroelectric.....	1,214,248	834,193	330,674	404,227	367,624	395,734	415,691	520,077	23.5	7.3
Other Renewables.....	94,238	127,168	189,468	187,107	234,077	226,668	245,497	273,357	1.8	3.9
Independent Power Producers and Combined Heat and Power.....	171,530	320,242	746,612	2,484,966	5,401,625	4,826,952	5,043,148	6,281,664	3.3	88.7
Petroleum.....	-	127	-	-	-	-	-	-	-	-
Nuclear.....	-	-	-	1,595,407	4,444,152	3,858,020	4,071,547	5,106,523	-	72.1
Hydroelectric.....	150,783	138,464	553,539	710,695	786,414	791,522	795,120	998,588	2.9	14.1
Other Renewables.....	20,747	181,651	193,073	178,864	171,059	177,410	176,480	176,553	0.4	2.5
Total Electric Industry.....	5,164,108	5,160,062	5,480,614	5,456,190	6,027,962	5,470,378	5,716,755	7,084,344	100.0	100.0
Petroleum.....	2,543	13,484	31,740	9,406	22,607	17,800	10,179	7,371	*	0.1
Natural Gas.....	65,281	6,593	11,000	3,275	2,029	3,224	2,240	1,875	1.3	*
Nuclear.....	3,616,268	3,858,509	4,171,120	3,962,616	4,444,152	3,858,020	4,071,547	5,106,523	70.0	72.1
Hydroelectric.....	1,365,031	972,657	884,213	1,114,922	1,154,038	1,187,256	1,210,811	1,518,665	26.4	21.4
Other Renewables.....	114,985	308,819	382,541	365,971	405,136	404,078	421,977	449,910	2.2	6.4

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Petroleum (cents per million Btu)	-	412	-	-	-	-	1,314	-
Average heat value (Btu per gallon)	-	137,900	-	-	-	-	138,098	-
Average sulfur Content (percent)	-	0.18	-	-	-	-	0.40	-
Natural Gas (cents per million Btu)	-	195	478	384	-	-	887	781
Average heat value (Btu per cubic foot)	-	1,001	1,010	1,006	-	-	1,007	1,000

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Sulfur Dioxide								
Petroleum	*	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*
Nitrogen Oxide								
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	-	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	*	*	1	*	*	*	*	*
Carbon Dioxide								
Petroleum	3	17	37	13	24	19	12	9
Natural Gas	37	7	6	2	2	3	2	2
Total	41	24	43	15	25	22	14	10

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Retail Sales (thousand megawatthours)										
Residential	1,809	1,973	2,009	2,047	2,011	2,109	2,189	2,142	38.3	37.0
Commercial	1,484	1,605	1,926	1,946	1,881	1,978	2,051	2,027	31.5	35.0
Industrial	1,381	1,484	1,608	1,592	1,460	1,577	1,644	1,626	29.3	28.1
Other	42	42	42	45	NA	NA	NA	NA	0.9	NA
All Sectors	4,716	5,104	5,585	5,629	5,352	5,664	5,883	5,795	100.0	100.0
Retail Revenue (million dollars)										
Residential	168	208	255	262	258	273	284	287	42.9	43.5
Commercial	126	157	217	216	212	226	232	237	32.3	35.9
Industrial	91	112	127	126	117	126	128	135	23.4	20.6
Other	5	6	8	9	NA	NA	NA	NA	1.3	NA
All Sectors	390	483	607	612	588	624	644	659	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.27	10.52	12.67	12.78	12.82	12.94	12.96	13.39	NA	NA
Commercial	8.50	9.80	11.28	11.10	11.29	11.42	11.33	11.67	NA	NA
Industrial	6.62	7.56	7.89	7.90	8.05	7.96	7.77	8.33	NA	NA
Other	12.13	14.03	18.85	19.26	NA	NA	NA	NA	NA	NA
All Sectors	8.28	9.46	10.86	10.87	10.98	11.02	10.95	11.37	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Vermont								
Number of Entities	4	15	NA	2	NA	NA	NA	21
Number of Retail Customers	251,370	53,995	NA	50,156	NA	NA	NA	355,521
Retail Sales (thousand megawatthours)	4,471	788	NA	537	NA	NA	NA	5,795
Percentage of Retail Sales	77.15	13.59	NA	9.26	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	488	99	NA	72	NA	NA	NA	659
Percentage of Revenue	74.08	14.95	NA	10.97	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	10.92	12.51	NA	13.46	NA	NA	NA	11.37

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Supply								
Generation								
Electric Utilities	4,993	4,840	4,734	2,971	626	643	674	803
Independent Power Producers	134	280	711	2,465	5,396	4,800	5,013	6,256
Electric Power Sector Generation Subtotal	5,126	5,120	5,445	5,437	6,022	5,444	5,687	7,059
Combined Heat and Power, Industrial	38	40	35	20	6	27	30	25
Industrial and Commercial Generation Subtotal	38	40	35	20	6	27	30	25
Total Net Generation	5,164	5,160	5,481	5,456	6,028	5,470	5,717	7,084
Total International Imports	1,809	4,394	2,999	2,433	1,942	1,952	2,159	2,505
Total Supply	6,973	9,554	8,480	7,890	7,969	7,422	7,876	9,589
Disposition								
Retail Sales								
Full Service Providers	4,716	5,104	5,585	5,629	5,337	5,664	5,883	5,795
Facility Direct Retail Sales	-	-	-	-	16	-	-	-
Total Electric Industry Retail Sales	4,716	5,104	5,585	5,629	5,352	5,664	5,883	5,795
Direct Use	34	60	69	70	71	71	30	26
Total International Exports	99	443	-	-	26	14	43	80
Estimated Losses	354	387	446	599	446	362	402	404
Total Disposition	5,202	5,994	6,100	6,298	5,895	6,111	6,358	6,304
Net Interstate Trade	1,770	3,559	2,379	1,592	2,075	1,311	1,518	3,286
Net Trade Index (ratio)	1.34	1.59	1.39	1.25	1.35	1.21	1.24	1.52

R = Revised.

NA = Not applicable; NM = Not meaningful.

W = Withheld to avoid disclosure of individual company data.

- = Data not available.

* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.

General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.