Energy Efficiency ² Load Management ³ Total Energy Savings Electric Utility Costs Year Million Kilowatthours Thousand Dollars ⁴ 1989 NA NA 12,463 14,672 872,935 1990 NA NA 12,463 14,672 872,935 1991 NA NA 13,704 20,458 1,177,7457 1992 7,890 9,314 17,204 35,563 2,248,094 1993 10,368 12,701 23,069 45,294 2,745,533 1995 13,212 16,547 29,893 61,842 1,902,197 1996 14,243 15,650 29,893 61,842 1,902,197 1997 13,327 11,858 25,284 66,406 1,420,420 1998 13,591 13,640 27,231 49,167 1,420,920 1998 13,521 10,027 2,901 53,701 1,664,901 2000 12,873 10,027 2,9204 50,265		Actual Peakload Reductions 1				
Year Mellion Kilowatthours Thousand Dollars 4 1989 NA NA 12,463 14,672 872,935 1990 NA NA 13,704 20,458 1,177,457 1991 NA NA 15,619 24,848 1,803,773 1992 7,890 9,314 17,204 35,563 2,348,094 1993 10,368 12,701 23,069 45,294 2,743,533 1994 11,662 13,340 25,001 52,483 2,743,533 1995 13,212 16,347 29,561 57,421 2,421,284 1996 14,243 15,650 29,893 61,842 1,902,197 1997 13,327 11,958 25,284 56,406 1,636,020 1999 13,452 13,640 27,231 49,167 1,420,920 1999 13,452 13,003 26,455 50,563 1,423,644 2000 12,873 10,027 2,901 53,701 1,564,901		Energy Efficiency ²	Load Management ³	Total	Energy Savings	Electric Utility Costs
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1809NA12,40314,012012,8031990NANA13,70420,4581,177,4571991NANA15,61924,8481,803,77319927,8909,31417,20435,5632,348,094199310,36812,70123,06945,2942,743,533199411,66213,34025,00152,4832,715,667199513,21216,34729,56157,4212,421,284199614,24315,65029,89361,8421,902,197199713,35113,64027,23149,1671,420,920199813,45213,00326,45550,5631,423,644200012,87310,02722,90153,7011,664,901200113,02711,92824,95553,39361,630,286200313,5819,23322,90450,2651,297,210200414,2729,26023,53254,7101,557,466200515,35110,35925,71059,8871,921,352200615,55911,28127,24063,8172,051,394200717,71012,54330,25368,9922,523,1172008R19,707R12,028R31,735R76,674R3,175,410200919,76611,91631,68277,9073,593,750	1090	ΝΔ	NA	12.463	14 672	872 025
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200414,2729,26023,53254,7101,557,466200515,35110,35925,71059,8971,921,352200615,95911,28127,24063,8172,051,394200717,71012,54330,25368,9922,523,1172008*19,707*12,028*31,735*76,674*3,175,410200919,76611,91631,68277,9073,593,750	2003	13.581	9.323	22.904	50.265	1.297.210
2005 15,351 10,359 25,710 59,897 1,921,352 2006 15,959 11,281 27,240 63,817 2,051,394 2007 17,710 12,543 30,253 68,992 2,523,117 2008 *19,707 *12,028 *31,735 *76,674 *3,175,410 2009 19,766 11,916 31,682 77,907 3,593,750	2004	14.272	9.260	23.532	54,710	1,557,466
200615,95911,28127,24063,8172,051,394200717,71012,54330,25368,9922,523,1172008R19,707R12,028R31,735R76,674R3,175,410200919,76611,91631,68277,9073,593,750	2005	15,351	10,359	25,710	59,897	1,921,352
2007 17,710 12,543 30,253 68,992 2,523,117 2008 R19,707 R12,028 R31,735 R76,674 R3,175,410 2009 19,766 11,916 31,682 77,907 3,593,750	2006	15,959	11,281	27,240	63,817	2,051,394
R19,707 R12,028 R31,735 R76,674 R3,175,410 2009 19,766 11,916 31,682 77,907 3,593,750	2007	17,710	12,543	30,253	68,992	2,523,117
2009 19,766 11,916 31,682 77,907 3,593,750	2008	^R 19,707	^R 12,028	^R 31,735	^R 76,674	^R 3,175,410
	2009	19,766	11,916	31,682	77,907	3,593,750

Table 8.13 Electric Utility Demand-Side Management Programs, 1989-2009

¹ The actual reduction in peak load reflects the change in demand for electricity that results from a utility demand-side management (DSM) program that is in effect at the time that the utility experiences its actual peak load as opposed to the potential installed peakload reduction capacity. Differences between actual and potential peak reduction result from changes in weather, economic activity, and other variable conditions.

² "Energy Efficiency" refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption, often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g., lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating, and air conditioning systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

³ "Load Management" includes programs such as "Direct Load Control," "Interruptible Load Control," and, "Other Types" of DSM programs. "Direct Load Control" refers to program activities that can interrupt consumer load at the time of annual peak load by direct control of the utility system operator by interrupting power supply to individual appliances or equipment on consumer premises. This type of control usually involves residential consumers. "Interruptible Load Control" refers to program activities that, in accordance

with contractual arrangements, can interrupt consumer load at times of seasonal peak load by direct control of the utility system operator or by action of the consumer at the direct request of the system operator. It usually involves commercial and industrial consumers. In some instances, the load reduction may be affected by direct action of the system operator (remote tripping) after notice to the consumer in accordance with contractual provisions. "Other Types" are programs that limit or shift peak loads from on-peak to off-peak time periods, such as space heating and water heating storage systems.

⁴ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

R=Revised. NA=Not available.

Note: This table reports on the results of DSM programs operated by electric utilities. The decrease since 1998 in peakload reductions from DSM programs can be attributed in part to utilities cutting back or terminating these programs due to industry deregulation. Some State governments have created new programs to promote DSM. Examples include the "Energy \$mart Loan Fund" administered by the New York Energy Research and Development Authority and the "Efficiency Vermont" program of the Vermont Public Service Board. Data on energy savings attributable to these non-utility programs are not collected by the U.S. Energy Information Administration (EIA).

Web Page: For related information, see http://www.eia.gov/electricity/.

Sources: • 1989-1997—EIA, Form EIA-861, "Annual Electric Utility Report." • 1998 forward—EIA, Electric Power Annual 2009 (January 2011), Tables 9.1, 9.6, and 9.7.