

Purpose of the Efficiency Program Industry By State and Region Appendices and Limitations of Data

CEE collaborates with the American Gas Association (AGA) to survey and collect data in the United States and Canada regarding efficiency industry budgets, expenditures, and savings for both the gas and electric programs. The objective of compiling these data is to annually complete an industry report and a separate set of appendices. Both the report and appendices provide a time series trend analysis and snapshot of the demand side management (DSM) industry on an annual basis. This purpose and data limitations clause is in reference to the appendices titled The Efficiency Program Industry by State and Region.

These appendices document electric and natural gas DSM program industry trends at the state, regional, and national levels based on data collected through a survey of DSM program administrators. If used as recommended, the data provide one of the only current and robust data compilations in the industry at these levels. CEE notes limitations of the data that inhibit the ability to make comparisons across states and regions. The purpose of the data is for time series trend analysis, providing a point in time snapshot of the dollars reportedly budgeted or expended on DSM programs in various states or regions in the United States and provinces in Canada.

There are many limitations to budget, expenditures, and savings data. First, these data are reported by an individual or group of individuals within each responding organization. Although CEE and our collaborators work closely with each responding organization to help respondents properly interpret survey questions and enter the correct information, the accuracy of the data is not verified with any third party. Second, respondents provide data at different times during the data collection period from June to October, and not all program administrators report their information according to the calendar year. CEE and our collaborators have sought greater consistency in data collection from respondents over the years, however, the accuracy of the data are ultimately dependent upon each individual survey respondent's interpretation of the survey questions and ability to retrieve the relevant information. Furthermore, variation in state policies and reporting requirements, and inconsistent use of terms complicate our efforts.

Additional factors that tend to affect the credibility of comparisons or analytical inferences include differences in regulatory structures, weather effects, customer

demographic differences, electric and gas rates, the duration of program experience, program administrators' revenue structure, and underlying interests given a particular program administrator model.

Given the wide variation in the circumstances surrounding individual data points, we do not believe these data are suitable for comparisons at any level other than the levels represented within this report. CEE notes that when this information is used beyond the stated limits, reviewers are encouraged to inquire as to the sufficiency of the method or quality of supplemental data for the specified purpose.

Terms of Use for the Efficiency Program Industry By State and Region Appendices

The terms of use for the Efficiency Program Industry By State and Region Appendices are significantly more restrictive than the terms of use for the State of the Efficiency Program Industry Report. Please review carefully the terms of use below.

This document may not be reproduced, disseminated, published, or transferred in any form or by any means, except with prior request or written permission of CEE.

CEE does not make, sell, or distribute any products or services, other than CEE membership services, and CEE does not play any implementation role in the programs offered and operated by or on behalf of its members. The accuracy of member program information discussed in this document is the sole responsibility of the organization furnishing such information to CEE. CEE is not responsible for any inaccuracies or misrepresentations that may appear therein. CEE does not itself test or cause to be tested any data, equipment, or technology for merchantability, fitness for purpose, product safety, or energy efficiency and makes no claim with respect thereto. All data published by CEE in this Annual Report has been supplied by third parties. CEE has not independently verified the accuracy of any such data and assumes no responsibility for errors or omissions therein. The reference and descriptions of products or services within this document are provided "as is" without any warranty of any kind, express or implied. CEE is not liable for any damages, including consequential damages, of any kind that may result to the user from the use of the site, or any of the products or services described therein.

Funding Source Note

In order to allow comparison with data from prior years, the appendices below include funds derived from ratepayers only. All data is reported in nominal dollars, and not adjusted for inflation.

Data Requests

These appendices are available for viewing only and cannot be downloaded. To request these appendices in an Excel format, please send an email to reports@ceel.org.

Table 1. US Electric and Gas Program Budgets by State, Including Demand Response, 2012 - 2018
(Millions USD)

	2012	2013	2014	2015	2016	2017	2018
Northeast	2,638.2	2,586.1	2,723.7	2,723.9	2,340.9	2,442.0	2,299.7
New England	917.0	924.7	1,083.5	1,140.9	1,169.4	1,191.0	1,117.1
Connecticut	137.5	109.6	202.8	188.1	217.3	214.1	136.1
Maine	23.1	21.0	24.1	45.7	38.1	44.9	748.1
Massachusetts	613.9	641.2	681.4	729.7	729.3	742.8	43.4
New Hampshire	26.9	22.0	24.0	24.3	25.4	23.5	31.0
Rhode Island	75.4	85.9	105.1	101.1	105.1	113.5	106.9
Vermont	40.1	45.0	46.0	52.0	54.1	52.3	51.6
Mid-Atlantic	1,721.2	1,661.4	1,640.2	1,583.0	1,171.6	1,250.9	1,182.5
New Jersey	483.6	603.7	466.9	422.0	404.0	496.0	352.0
New York	877.3	785.8	889.1	935.6	575.0	561.8	636.6
Pennsylvania	360.4	271.9	284.2	225.4	192.6	193.1	193.9
Midwest	1,461.0	1,583.7	1,499.6	1,543.1	1,596.2	1,677.1	1,916.1
Illinois	336.1	354.0	333.0	411.1	500.5	433.4	547.4
Indiana	135.4	171.2	203.3	113.8	90.6	124.1	128.4
Iowa	180.8	181.6	192.6	179.3	199.8	201.6	210.6
Kansas	13.5	14.8	1.5	-	-	-	-
Michigan	231.5	242.2	227.3	211.9	246.5	255.8	339.1
Minnesota	164.3	164.3	180.9	168.1	126.7	182.1	165.5
Missouri	40.8	58.2	66.3	101.2	59.1	63.5	83.9
Nebraska	11.9	15.1	5.2	5.4	-	-	-
North Dakota	1.0	1.1	0.9	1.3	0.1	0.1	-
Ohio	261.1	273.9	189.0	258.7	278.2	298.0	291.4
South Dakota	2.2	3.3	3.5	3.8	2.2	2.2	1.6
Wisconsin	82.4	104.1	96.0	88.4	92.4	116.4	148.3
South	1,256.3	1,455.3	1,699.6	1,292.7	1,307.8	1,577.7	1,463.3
South Central	485.1	556.8	589.1	561.6	509.3	570.0	522.6
Alabama	55.7	34.8	40.0	37.7	44.7	40.9	43.7
Arkansas	66.7	83.8	82.8	98.3	96.4	97.6	91.7
Kentucky	53.9	56.2	62.7	56.1	53.5	63.6	51.7
Louisiana	3.7	3.7	5.1	13.4	20.3	-	-
Mississippi	16.5	10.1	7.2	19.3	16.3	17.9	16.4
Oklahoma	45.7	84.7	90.0	87.9	82.3	90.5	92.1
Tennessee	80.3	59.3	64.4	52.1	54.0	56.6	53.5
Texas	162.6	224.4	236.8	196.8	162.1	202.9	173.4
	2012	2013	2014	2015	2016	2017	2017
South Atlantic	771.2	898.5	1,110.5	731.1	798.5	1,007.7	940.8
Delaware	-	-	-	-	-	-	-
District of Columbia	-	14.0	17.6	18.5	13.8	14.7	-
Florida	425.8	527.3	554.0	204.3	201.5	337.8	340.9
Georgia	48.5	71.5	60.5	56.8	56.8	56.5	62.8
Maryland	150.5	119.4	292.2	261.2	314.8	376.7	309.2
North Carolina	99.5	118.7	133.2	136.5	164.0	170.5	174.9
South Carolina	31.2	34.0	36.9	38.0	45.1	47.2	49.1
Virginia	5.7	3.7	4.1	3.7	2.4	4.2	3.9
West Virginia	9.9	9.9	12.1	12.1	-	-	-

West	2,902.0	2,814.9	2,820.9	2,746.2	2,541.8	2,751.3	2,656.9
Pacific Northwest	652.2	578.3	589.4	593.4	445.6	611.4	576.5
Idaho.....	62.2	30.8	39.3	45.4	38.8	42.4	45.3
Montana	16.5	10.6	0.5	0.6	0.2	2.7	5.4
Oregon	152.9	151.0	160.0	151.9	169.3	180.6	177.8
Washington.....	253.0	216.4	157.3	221.4	200.2	218.0	212.5
BPA and NEEA**	167.6	169.4	232.4	174.1	37.2	167.7	135.5
Pacific West	1,832.6	1,797.2	1,750.1	1,665.7	1,670.9	1,667.1	1,701.9
Alaska	-	-	-	-	-	-	-
California	1,799.3	1,763.7	1,710.4	1,628.4	1,644.2	1,637.9	1,701.9
Hawaii	33.3	33.5	39.7	37.4	26.7	29.2	-
Southwest	417.2	439.4	481.4	487.0	425.3	472.9	378.5
Arizona	143.2	170.1	157.6	132.0	109.4	129.8	97.9
Colorado.....	100.1	102.3	111.8	147.2	138.3	134.2	104.6
Nevada	56.4	57.3	66.2	68.6	43.3	43.4	40.8
New Mexico	36.6	36.8	47.3	42.9	42.1	71.0	40.7
Utah	75.4	66.6	93.2	88.6	92.0	87.7	84.2
Wyoming	5.6	6.3	5.2	7.7	0.2	6.7	10.2
Additional Gas Budgets*.....	-	-	-	-	-	-	136.2
Additional Aggregated Budgets***	-	-	-	-	292.3	216.5	205.7
Total	8,257.5	8,439.9	8,743.8	8,305.9	8,079.0	8,664.6	8,677.8

Notes:

whom data was carried through.

** "BPA and NEEA" is defined as program activities carried out by the Bonneville Power Administration (BPA) and the Northwest Energy Efficiency Alliance (NEEA) in Idaho, Montana, Oregon, and Washington. Other energy efficiency programs in those states are reported separately by state.

*** In 2016, 2017, and 2018 this represents the sum attributed to smaller electric program administrators carried through as a part of the streamlined data collection process instituted in 2016.

Table 2. US Electric and Gas Program Budgets by State, 2018 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	814.2	271.7	972.3	173.5	68.0	2,299.7
New England	468.3	138.0	459.9	48.7	2.2	1,117.1
Connecticut	40.1	20.2	57.7	18.0	0.0	136.1
Maine	338.5	90.2	296.6	20.6	2.2	748.1
Massachusetts	14.1	4.5	20.9	3.8	0.0	43.4
New Hampshire	9.4	5.3	16.4	0.0	0.0	31.0
Rhode Island	44.4	17.7	43.0	1.8	0.0	106.9
Vermont	21.9	0.0	25.3	4.5	0.0	51.6
Mid-Atlantic	345.8	133.8	512.4	124.7	65.8	1,182.5
New Jersey	100.8	30.0	214.2	5.3	1.7	352.0
New York	182.8	70.5	242.9	88.1	52.4	636.6
Pennsylvania	62.2	33.3	55.3	31.4	11.7	193.9
Midwest	626.3	149.5	865.4	187.6	87.2	1,916.1
Illinois	134.9	57.6	267.0	83.8	4.1	547.4
Indiana	54.9	8.7	50.5	4.7	9.5	128.4
Iowa	77.0	8.9	76.7	7.7	40.4	210.6
Kansas	-	-	-	-	-	-
Michigan	101.3	26.7	146.9	43.2	21.1	339.1
Minnesota	58.0	10.5	71.5	18.8	6.7	165.5
Missouri	21.9	9.5	41.4	11.0	0.0	83.9
Nebraska	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
Ohio	114.2	26.7	130.5	14.8	5.1	291.4
South Dakota	0.8	0.0	0.5	0.0	0.2	1.6
Wisconsin	63.4	0.9	80.4	3.6	0.0	148.3
South	442.3	87.0	431.2	46.6	402.7	1,409.8
South Central	153.5	59.2	152.2	29.0	75.1	469.1
Alabama	9.9	0.0	2.2	4.6	27.1	43.7
Arkansas	34.5	0.0	48.2	3.9	5.2	91.7
Kentucky	16.6	6.5	8.5	6.1	14.0	51.7
Louisiana	-	-	-	-	-	-
Mississippi	4.2	0.0	10.6	1.0	0.6	16.4
Oklahoma	40.3	11.4	29.5	8.4	2.6	92.1
Tennessee	-	-	-	-	-	-
Texas	48.1	41.4	53.2	5.0	25.8	173.4
South Atlantic	288.8	27.8	279.0	17.6	327.6	940.8
Delaware	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-
Florida	71.4	7.4	27.2	11.2	223.7	340.9
Georgia	24.5	0.0	31.2	5.4	1.7	62.8
Maryland	99.2	9.9	141.2	0.5	58.3	309.2
North Carolina	71.9	7.4	60.5	0.2	34.9	174.9
South Carolina	19.4	2.4	18.3	0.0	9.0	49.1
Virginia	2.3	0.7	0.7	0.2	0.0	3.9
West Virginia	-	-	-	-	-	-
West	446.6	428.6	859.3	611.0	311.3	2,656.9
Pacific Northwest	106.3	20.4	203.0	238.0	8.8	576.5
Idaho	9.9	0.4	20.2	6.4	8.3	45.3
Montana	2.4	2.8	0.2	0.0	0.0	5.4
Oregon	59.8	1.1	116.2	0.3	0.5	177.8
Washington	32.6	7.6	51.3	121.0	0.0	212.5
BPA and NEEA****	1.5	8.6	15.0	110.4	0.0	135.5
	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	229.2	391.3	521.1	300.0	260.3	1,701.9
Alaska	-	-	-	-	-	-
California	229.2	391.3	521.1	300.0	260.3	1,701.9
Hawaii	-	-	-	-	-	-
Southwest	111.2	16.9	135.3	73.0	42.1	378.5
Arizona	19.1	4.3	16.9	54.6	3.0	97.9
Colorado	29.3	7.5	45.4	9.1	13.2	104.6

Nevada	15.6	4.0	13.6	1.3	6.3	40.8
New Mexico	7.1	0.0	12.8	5.6	15.2	40.7
Utah	38.5	0.9	38.5	1.9	4.4	84.2
Wyoming	1.6	0.1	7.9	0.6	0.0	10.2

Additional Aggregated Budgets***** -	-	-		#REF!	14.5	#REF!
Total	2,329.4	936.9	3,128.2	#REF!	883.7	#REF!

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes expenditures in the multifamily customer class for natural gas programs.

** Includes (1) programs that span more than one customer class and (2) total dollar amounts where respondents did not break out expenditures by customer class.

**** In 2016, 2017, and 2018 this represents the sum attributed to smaller electric program administrators carried through as a part of the streamlined data collection process instituted in 2016 and, in 2018, the gas PAs for whom data was carried through from the previous year.

**** "BPA and NEEA" is defined as program activities carried out by the Bonneville Power Administration (BPA) and the Northwest Energy Efficiency Alliance (NEEA) in Idaho, Montana, Oregon, and Washington. Other energy efficiency programs in those states are reported separately by state.

Table 3. US Electric and Gas Program Expenditures by State, 2017 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	602.9	209.6	576.1	334.6	68.0	1,791.2
New England	306.9	107.4	306.6	273.4	2.2	996.5
Connecticut	44.3	22.5	51.0	50.4	0.0	168.1
Maine	189.7	62.6	164.7	213.2	2.2	632.4
Massachusetts	3.1	2.5	8.0	8.2	0.0	21.9
New Hampshire	6.2	3.4	12.0	0.0	0.0	21.6
Rhode Island	39.4	16.2	45.0	1.7	0.0	102.3
Vermont	24.1	0.2	25.9	0.0	0.0	50.2
Mid-Atlantic	296.0	102.2	269.4	61.2	65.8	794.7
New Jersey	89.0	28.9	86.0	7.5	1.7	213.0
New York	103.4	49.7	133.4	51.9	52.4	390.7
Pennsylvania	103.6	23.6	50.1	1.8	11.7	190.9
Midwest	580.3	80.4	772.7	193.2	87.2	1,714.0
Illinois	182.3	14.5	271.0	50.7	4.1	522.6
Indiana	45.4	2.8	54.2	5.8	9.5	117.8
Iowa	66.7	8.7	76.7	8.1	40.4	200.6
Kansas	-	-	-	-	-	-
Michigan	120.8	20.8	138.0	22.5	21.1	323.2
Minnesota	54.3	4.8	99.0	3.2	6.7	167.9
Missouri	21.5	4.5	25.1	4.3	0.0	55.3
Nebraska	-	-	-	-	-	0.0
North Dakota	-	-	-	-	-	0.1
Ohio	52.7	23.6	63.8	79.0	5.1	224.2
South Dakota	0.8	0.0	0.2	0.6	0.2	1.9
Wisconsin	35.8	0.9	44.7	19.1	0.0	100.4
South	452.8	47.2	400.7	92.6	402.7	1,396.1
South Central	166.5	33.9	145.6	71.2	75.1	492.3
Alabama	15.9	0.0	5.7	0.0	27.1	48.7
Arkansas	33.6	0.0	44.1	2.6	5.2	85.5
Kentucky	41.8	0.7	16.5	0.0	14.0	73.0
Louisiana	-	-	-	-	-	-
Mississippi	2.3	0.0	15.1	2.8	0.6	20.8
Oklahoma	37.7	9.7	29.5	5.4	2.6	84.8
Tennessee	-	-	-	-	-	-
Texas	35.2	23.6	34.6	60.4	25.8	179.6
South Atlantic	286.4	13.3	255.2	21.4	327.6	903.8
Delaware	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-
Florida	67.7	3.9	21.9	11.3	223.7	328.4
Georgia	20.6	0.0	19.9	9.8	1.7	51.9
Maryland	90.0	1.7	92.5	0.0	58.3	242.6
North Carolina	84.1	5.8	89.7	0.2	34.9	214.8
South Carolina	22.6	1.8	31.0	0.0	9.0	64.4
Virginia	1.4	0.1	0.2	0.1	0.0	1.8
West Virginia	-	-	-	-	-	-
West	446.9	233.6	662.9	792.3	311.3	2,447.0
Pacific Northwest	127.7	20.9	175.2	217.4	8.8	550.1
Idaho	11.9	3.0	19.8	7.9	8.3	50.9
Montana	2.2	1.6	0.5	0.1	0.0	4.4
Oregon	32.1	0.6	48.6	76.7	0.5	158.5
Washington	78.4	10.4	93.3	27.6	0.0	209.8
BPA and NEEA ****	3.1	5.4	12.9	105.0	0.0	126.4
	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	184.9	198.3	324.4	532.4	260.3	1,500.3
Alaska	-	-	-	-	-	-
California	184.9	198.3	324.4	532.4	260.3	1,500.3
Hawaii	-	-	-	-	-	-
Southwest	134.3	14.4	163.3	42.4	42.1	396.6

Arizona	50.0	3.5	43.1	25.7	3.0	125.3
Colorado	29.1	7.7	46.4	7.5	13.2	103.9
Nevada	16.6	2.5	13.7	0.8	6.3	39.8
New Mexico	6.3	0.0	14.0	4.1	15.2	39.7
Utah	31.0	0.7	38.4	3.7	4.4	78.2
Wyoming	1.3	0.0	7.8	0.6	0.0	9.7
Additional Aggregated Expenditures****.	-	-	-	#REF!	14.5	273.9
Total	2,083.0	570.9	2,412.4	#REF!	883.7	7,622.1

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes expenditures in the multifamily customer class for natural gas programs.

** Includes (1) programs that span more than one customer class and (2) total dollar amounts where respondents did not break out expenditures by customer class.

*** CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as CAISO).

**** "BPA and NEEA" is defined as program activities carried out by the Bonneville Power Administration (BPA) and the Northwest Energy Efficiency Alliance (NEEA) in Idaho, Montana, Oregon, and Washington. Other energy efficiency programs in those states are reported separately by state.

***** In 2016, 2017, and 2018 this represents the sum attributed to smaller electric program administrators carried through as a part of the streamlined data

Table 4. US Electric Program Budgets by State, 2018 (Millions USD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Northeast	554.4	186.0	843.3	165.8	1,749.5	45.3	0.0	22.7	68.0	1,817.6
New England	316.1	90.1	394.2	43.2	843.5	2.2	0.0	0.0	2.2	845.7
Connecticut	22.9	12.2	44.4	13.1	92.5	0.0	0.0	0.0	0.0	92.5
Maine	221.9	59.1	259.2	20.6	560.8	2.2	0.0	0.0	2.2	563.0
Massachusetts	13.4	3.9	17.7	3.8	38.8	0.0	0.0	0.0	0.0	38.8
New Hampshire	7.0	4.1	12.8	0.0	23.9	0.0	0.0	0.0	0.0	23.9
Rhode Island	31.2	11.0	35.4	1.2	78.8	0.0	0.0	0.0	0.0	78.8
Vermont	19.7	0.0	24.6	4.5	48.7	0.0	0.0	0.0	0.0	48.7
Mid-Atlantic	238.3	95.9	449.2	122.6	906.0	43.1	0.0	22.7	65.8	971.8
New Jersey	32.5	11.4	168.3	5.3	217.5	0.0	0.0	1.7	1.7	219.2
New York	148.4	64.8	226.3	87.0	526.5	40.8	0.0	11.6	52.4	578.8
Pennsylvania	57.3	19.7	54.6	30.4	162.1	2.3	0.0	9.4	11.7	173.8
Midwest	455.5	66.5	759.6	152.2	1,433.9	55.1	1.5	30.6	87.2	1,521.1
Illinois	116.5	33.4	237.6	72.2	459.7	2.6	1.5	0.0	4.1	463.8
Indiana	45.1	6.9	46.3	3.4	101.7	9.5	0.0	0.0	9.5	111.2
Iowa	43.1	1.8	61.6	5.6	112.2	40.4	0.0	0.0	40.4	152.6
Kansas	-	-	-	-	-	-	-	-	-	-
Michigan	56.0	9.2	121.5	33.9	220.6	0.2	0.0	20.9	21.1	241.8
Minnesota	31.6	5.3	57.1	12.8	106.8	0.0	0.0	6.7	6.7	113.4
Missouri	18.5	6.8	40.2	10.4	76.0	0.0	0.0	0.0	0.0	76.0
Nebraska	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-
Ohio	91.9	3.0	127.9	13.8	236.7	2.1	0.0	3.0	5.1	241.9
South Dakota	0.2	0.0	0.4	0.0	0.6	0.2	0.0	0.0	0.2	0.8
Wisconsin	52.6	0.0	67.0	0.0	119.6	0.0	0.0	0.0	0.0	119.6
South	392.9	82.7	416.7	42.9	935.2	310.6	16.5	75.6	402.7	1,338.0
South Central	126.6	57.0	142.6	28.9	355.2	35.4	1.2	38.5	75.1	430.3
Alabama	9.9	0.0	2.2	4.6	16.7	2.7	0.0	24.3	27.1	43.7
Arkansas	27.5	0.0	42.7	3.8	74.0	5.2	0.0	0.0	5.2	79.2
Kentucky	16.1	6.0	8.4	6.1	36.6	3.0	0.0	11.0	14.0	50.5
Louisiana.....	-	-	-	-	-	-	-	-	-	-
Mississippi	3.2	0.0	10.1	1.0	14.2	0.6	0.0	0.0	0.6	14.8
Oklahoma	26.0	10.7	26.3	8.4	71.4	2.6	0.0	0.0	2.6	74.0
Tennessee	-	-	-	-	-	-	-	-	-	-
Texas	44.0	40.3	52.9	5.0	142.3	21.3	1.2	3.2	25.8	168.0
South Atlantic	266.3	25.7	274.1	14.0	580.0	275.2	15.3	37.0	327.6	907.6
Delaware	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	55.5	7.4	24.0	8.3	95.3	189.5	4.0	30.2	223.7	319.0
Georgia	24.5	0.0	31.2	5.4	61.1	1.2	0.0	0.4	1.7	62.8

Maryland	96.0	8.8	140.1	0.2	245.1	40.5	11.3	6.4	58.3	303.4
North Carolina	71.0	7.1	60.5	0.0	138.7	34.9	0.0	0.0	34.9	173.6
South Carolina	19.2	2.3	18.3	0.0	39.7	9.0	0.0	0.0	9.0	48.8
Virginia	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
West Virginia.....	-	-	-	-	-	-	-	-	-	-
West	331.3	191.3	764.3	544.7	1,831.6	78.3	21.4	211.1	310.8	2,142.4
Pacific Northwest	76.5	15.5	185.5	233.5	511.0	8.3	0.0	0.0	8.3	519.4
Idaho	9.5	0.3	20.0	6.0	35.8	8.3	0.0	0.0	8.3	44.1
Montana	-	-	-	-	-	-	-	-	-	-
Oregon	43.7	0.0	105.1	0.3	149.0	0.0	0.0	0.5	0.5	149.5
Washington	21.8	6.6	45.4	116.9	190.7	0.0	0.0	0.0	0.0	190.7
BPA and NEEA***	1.5	8.6	15.0	110.4	135.5	0.0	0.0	0.0	0.0	135.5
	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Pacific West	174.7	165.5	452.9	242.1	1,035.3	30.8	19.3	210.2	260.3	1,295.6
Alaska	-	-	-	-	-	-	-	-	-	-
California	174.7	165.5	452.9	242.1	1,035.3	30.8	19.3	210.2	260.3	1,295.6
Hawaii	-	-	-	-	-	-	-	-	-	-
Southwest	80.0	10.4	125.8	69.1	285.3	39.1	2.1	0.9	42.1	327.5
Arizona	16.1	3.6	15.4	54.6	89.7	0.0	2.1	0.9	3.0	92.7
Colorado	23.3	3.9	42.8	7.8	77.7	13.2	0.0	0.0	13.2	91.0
Nevada	12.7	2.6	12.2	1.2	28.7	6.3	0.0	0.0	6.3	35.0
New Mexico	7.0	0.0	12.8	5.0	24.8	15.2	0.0	0.0	15.2	40.0
Utah	20.3	0.1	35.0	0.0	55.3	4.4	0.0	0.0	4.4	59.7
Wyoming	0.7	0.1	7.7	0.5	9.1	0.0	0.0	0.0	0.0	9.1
Additional Aggregated Budgets****	-	-	-	191.2	191.2	-	-	14.5	14.5	216.5
Total	1,734.2	526.5	2,784.0	1,096.8	6,141.5	489.4	39.4	354.5	883.2	7,035.5

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes (1) programs that span more than one customer class or DR program type and (2) total dollar amounts where respondents did not break out expenditures by customer class or DR program type.

** A large number of program administrators reported that they did not administer any kind of demand response programs. CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as Alberta Electric System Operator).

*** "BPA and NEEA" is defined as program activities carried out by the Bonneville Power Administration (BPA) and the Northwest Energy Efficiency Alliance (NEEA) in Idaho, Montana, Oregon, and Washington. Other energy efficiency programs in those states are reported separately by state.

**** In 2016, 2017, and 2018 this represents the sum attributed to smaller electric program administrators carried through as a part of the streamlined data collection process instituted in 2016.

Table 5. US Electric Program Expenditures by State, 2017 (Millions USD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Northeast	378.4	122.6	480.4	322.8	1,304.1	45.3	0.0	22.7	68.0	1,372.1
New England	180.6	58.5	243.3	266.9	749.3	2.2	0.0	0.0	2.2	751.5
Connecticut	27.0	12.4	37.5	44.6	121.5	0.0	0.0	0.0	0.0	121.5
Maine	96.9	30.5	127.7	213.1	468.3	2.2	0.0	0.0	2.2	470.5
Massachusetts	2.5	2.5	6.8	8.2	20.0	0.0	0.0	0.0	0.0	20.0
New Hampshire	4.5	2.6	10.0	0.0	17.1	0.0	0.0	0.0	0.0	17.1
Rhode Island	27.3	10.4	36.0	1.1	74.8	0.0	0.0	0.0	0.0	74.8
Vermont	22.2	0.0	25.4	0.0	47.6	0.0	0.0	0.0	0.0	47.6
Mid-Atlantic	197.8	64.1	237.1	55.9	554.8	43.1	0.0	22.7	65.8	620.6
New Jersey	28.1	11.0	65.7	3.7	108.5	0.0	0.0	1.7	1.7	110.2
New York	69.7	42.0	121.6	50.9	284.1	40.8	0.0	11.6	52.4	336.5
Pennsylvania	100.0	11.2	49.9	1.2	162.3	2.3	0.0	9.4	11.7	174.0
Midwest	412.1	19.4	669.8	162.4	1,263.8	55.1	1.5	30.6	87.2	1,351.0
Illinois	150.0	5.0	237.9	32.3	425.2	2.6	1.5	0.0	4.1	429.3
Indiana	36.3	2.3	51.0	4.9	94.6	9.5	0.0	0.0	9.5	104.1
Iowa	36.5	2.1	67.3	6.4	112.3	40.4	0.0	0.0	40.4	152.7
Kansas	-	-	-	-	-	-	-	-	-	-
Michigan	74.2	7.2	110.3	19.3	210.9	0.2	0.0	20.9	21.1	232.0
Minnesota	31.6	0.0	83.9	0.0	115.6	0.0	0.0	6.7	6.7	122.2
Missouri	18.7	2.2	24.4	3.7	49.0	0.0	0.0	0.0	0.0	49.0
Nebraska	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-
Ohio	36.4	0.7	61.9	77.9	176.9	2.1	0.0	3.0	5.1	182.0
South Dakota	0.1	0.0	0.0	0.6	0.7	0.2	0.0	0.0	0.2	0.9
Wisconsin	28.2	0.0	33.1	17.3	78.6	0.0	0.0	0.0	0.0	78.6
South	409.8	44.9	389.4	89.8	934.0	310.6	16.5	75.6	402.7	1,336.7
South Central	142.0	32.1	137.4	71.2	382.7	35.4	1.2	38.5	75.1	457.8
Alabama	15.9	0.0	5.7	0.0	21.6	2.7	0.0	24.3	27.1	48.7
Arkansas	26.7	0.0	39.1	2.5	68.3	5.2	0.0	0.0	5.2	73.4
Kentucky	41.3	0.4	16.5	0.0	58.2	3.0	0.0	11.0	14.0	72.2
Louisiana.....	-	-	-	-	-	-	-	-	-	-
Mississippi	1.4	0.0	14.6	2.8	18.9	0.6	0.0	0.0	0.6	19.5
Oklahoma	24.5	9.0	27.1	5.4	66.0	2.6	0.0	0.0	2.6	68.6
Tennessee	-	-	-	-	-	-	-	-	-	-
Texas	32.2	22.7	34.4	60.4	149.7	21.3	1.2	3.2	25.8	175.4
South Atlantic	267.8	12.8	252.0	18.7	551.3	275.2	15.3	37.0	327.6	878.9
Delaware	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	53.4	3.9	19.5	8.9	85.7	189.5	4.0	30.2	223.7	309.3
Georgia	20.6	0.0	19.9	9.8	50.2	1.2	0.0	0.4	1.7	51.9

Maryland	88.2	1.7	91.9	0.0	181.8	40.5	11.3	6.4	58.3	240.1
North Carolina	83.2	5.6	89.7	0.0	178.6	34.9	0.0	0.0	34.9	213.5
South Carolina	22.3	1.7	31.0	0.0	55.0	9.0	0.0	0.0	9.0	64.1
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Virginia.....	-	-	-	-	-	-	-	-	-	-
West	338.7	87.8	596.8	744.8	1,768.0	78.3	21.4	211.6	311.3	2,079.3
Pacific Northwest	98.5	17.1	157.4	215.8	488.8	8.3	0.0	0.5	8.8	497.7
Idaho	11.4	2.8	19.6	7.7	41.5	8.3	0.0	0.0	8.3	49.8
Montana	-	-	-	-	-	-	-	-	-	-
Oregon	19.7	0.0	37.9	76.7	134.4	0.0	0.0	0.5	0.5	134.9
Washington	64.3	8.9	87.0	26.3	186.5	0.0	0.0	0.0	0.0	186.5
BPA and NEEA***	3.1	5.4	12.9	105.0	126.4	0.0	0.0	0.0	0.0	126.4
	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Pacific West	137.0	63.1	284.8	490.0	974.9	30.8	19.3	210.2	260.3	1,235.2
Alaska	-	-	-	-	-	-	-	-	-	-
California	137.0	63.1	284.8	490.0	974.9	30.8	19.3	210.2	260.3	1,235.2
Hawaii	-	-	-	-	-	-	-	-	-	-
Southwest	103.2	7.5	154.5	39.0	304.2	39.1	2.1	0.9	42.1	346.4
Arizona	46.0	2.6	42.6	25.7	116.9	0.0	2.1	0.9	3.0	119.9
Colorado	21.8	3.8	43.5	6.0	75.0	13.2	0.0	0.0	13.2	88.3
Nevada	13.6	1.1	12.3	0.7	27.7	6.3	0.0	0.0	6.3	34.0
New Mexico	6.2	0.0	14.0	3.9	24.2	15.2	0.0	0.0	15.2	39.4
Utah	14.9	0.1	34.4	2.1	51.4	4.4	0.0	0.0	4.4	55.8
Wyoming	0.8	0.0	7.7	0.5	9.1	0.0	0.0	0.0	0.0	9.1
Additional Aggregated Expenditures****.....	-	-	-	112.18	112.18	-	-	14.48	14.48	126.66
Total	1,538.9	274.7	2,136.4	1,432.0	5,382.1	489.4	39.4	355.0	883.7	6,265.8

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes (1) programs that span more than one customer class or DR program type and (2) total dollar amounts where respondents did not break out expenditures by customer class or DR program type.

** A large number of program administrators reported that they did not administer any kind of demand response programs. CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as Albers Electric Systems Operator).

*** "BPA and NEEA" is defined as program activities carried out by the Bonneville Power Administration (BPA) and the Northwest Energy Efficiency Alliance (NEEA) in Idaho, Montana, Oregon, and Washington. Other energy efficiency programs in those states are reported separately by state.

**** In 2016, 2017, and 2018 this represents the sum attributed to smaller electric program administrators carried through as a part of the streamlined data collection process instituted in 2016.

Table 6. US Gas Program Budgets by State, 2018 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Northeast	222.7	85.7	37.1	128.9	7.7	482.1
New England	137.6	47.9	14.7	65.7	5.5	271.4
Connecticut	15.4	8.1	1.9	13.3	5.0	43.5
Maine	105.0	31.2	11.5	37.4	0.0	185.1
Massachusetts	0.8	0.7	0.0	3.2	0.0	4.6
New Hampshire	2.4	1.2	0.0	3.6	0.0	7.2
Rhode Island	11.9	6.7	1.3	7.7	0.6	28.1
Vermont	2.2	0.0	0.0	0.7	0.0	2.9
Mid-Atlantic	85.1	37.9	22.4	63.2	2.1	210.7
New Jersey	60.9	18.6	7.3	45.9	0.0	132.8
New York	19.3	5.7	15.1	16.6	1.1	57.8
Pennsylvania	4.9	13.5	0.0	0.7	1.1	20.1
Midwest	163.5	83.0	7.3	105.7	35.4	395.0
Illinois	18.2	24.2	0.1	29.5	11.6	83.6
Indiana	9.1	1.8	0.7	4.3	1.3	17.1
Iowa	31.3	7.1	2.5	15.1	2.1	58.0
Kansas	-	-	-	-	-	-
Michigan	42.3	17.5	3.0	25.3	9.3	97.3
Minnesota	26.0	5.3	0.4	14.3	6.0	52.0
Missouri	3.4	2.7	0.0	1.2	0.6	7.9
Nebraska	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
Ohio	22.3	23.7	0.0	2.6	1.0	49.5
South Dakota	0.7	0.0	0.0	0.1	0.0	0.8
Wisconsin	10.2	0.9	0.6	13.4	3.6	28.7
South	49.3	4.4	0.1	14.5	3.7	71.9
South Central	26.8	2.2	0.1	9.5	0.1	38.8
Alabama	-	-	-	-	-	-
Arkansas	7.0	0.0	0.0	5.5	0.1	12.6
Kentucky	0.6	0.5	0.0	0.1	0.0	1.2
Louisiana	-	-	-	-	-	-
Mississippi	0.9	0.0	0.1	0.5	0.0	1.5
Oklahoma	14.2	0.7	0.0	3.2	0.0	18.1
Tennessee	-	-	-	-	-	-
Texas	4.1	1.0	0.0	0.3	0.0	5.4
South Atlantic	22.5	2.1	0.0	4.9	3.6	33.1
Delaware	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-
Florida	15.9	0.0	0.0	3.2	2.9	22.0
Georgia	-	-	-	-	-	-
Maryland	3.3	1.1	0.0	1.1	0.3	5.8
North Carolina	0.9	0.3	0.0	0.0	0.2	1.3
South Carolina	0.2	0.1	0.0	0.0	0.0	0.4
Virginia	2.2	0.7	0.0	0.7	0.2	3.7
West Virginia	-	-	-	-	-	-

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
West	104.1	237.3	11.2	95.0	66.4	514.0
Pacific Northwest	27.5	4.9	2.2	17.4	4.6	56.7
Idaho	0.4	0.1	0.0	0.2	0.4	1.1
Montana	2.4	2.8	0.0	0.2	0.0	5.4
Oregon	15.0	1.1	1.1	11.1	0.0	28.3
Washington	9.7	1.0	1.1	5.9	4.1	21.8
Pacific West	48.4	225.8	6.1	68.1	57.9	406.3
Alaska	-	-	-	-	-	-
California	48.4	225.8	6.1	68.1	57.9	406.3
Hawaii	-	-	-	-	-	-
Southwest	28.2	6.5	2.9	9.4	3.9	51.0
Arizona	3.0	0.7	0.0	1.5	0.0	5.2
Colorado	6.0	3.7	0.0	2.7	1.3	13.7
Nevada	2.2	1.4	0.8	1.4	0.1	5.8
New Mexico	0.1	0.0	0.0	0.1	0.6	0.7
Utah	16.1	0.8	2.1	3.6	1.9	24.5
Wyoming	0.8	0.0	0.0	0.2	0.0	1.1
Additional Aggregated Budgets*...	-	-	-	-	136.2	136.2
Total	539.6	410.4	55.7	344.2	249.3	1,599.1

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

*In 2018, represents the gas organizations for whom data was carried through from the previous year.

Table 7. US Gas Program Expenditures by State, 2017 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Northeast	220.0	42.2	107.8	91.6	33.5	495.2
New England	135.1	23.3	47.9	64.0	9.2	279.4
Connecticut	13.9	4.5	8.2	13.0	5.7	45.3
Maine	0.3	0.0	0.1	0.7	0.0	1.1
Massachusetts	107.7	17.4	33.8	40.4	3.0	202.2
New Hampshire	1.8	0.0	1.0	2.2	0.0	5.0
Rhode Island	9.4	1.4	4.8	7.1	0.5	23.1
Vermont	2.0	0.0	0.1	0.6	0.0	2.7
Mid-Atlantic	84.9	18.9	60.0	27.7	24.4	215.8
New Jersey	58.4	5.0	17.5	12.8	2.4	96.0
New York	22.6	13.9	25.6	14.7	21.4	98.2
Pennsylvania	4.0	0.0	16.9	0.2	0.6	21.6
Midwest	160.0	11.0	61.7	85.4	23.6	341.7
Illinois	19.6	5.9	5.3	21.5	12.8	65.2
Indiana	11.0	0.6	1.1	2.6	0.8	16.0
Iowa	32.1	2.3	7.5	10.2	1.9	54.1
Kansas	-	-	-	-	-	-
Michigan	41.2	1.7	13.7	20.1	3.3	79.9
Minnesota	28.8	0.1	5.6	14.0	2.3	50.7
Missouri	2.1	0.0	2.2	1.0	0.0	5.3
Nebraska	-	-	-	-	-	-
North Dakota	0.1	0.0	0.0	0.0	0.0	0.1
Ohio	16.9	0.3	25.5	3.6	0.9	47.1
South Dakota	0.9	0.0	0.0	0.1	0.0	1.1
Wisconsin	7.4	0.0	0.8	12.4	1.7	22.2
South	55.2	0.0	6.2	12.3	3.1	76.8
South Central	24.2	0.0	1.6	7.4	0.2	33.4
Alabama	-	-	-	-	-	-
Arkansas	7.9	0.0	0.0	5.1	0.2	13.2
Kentucky	0.8	0.0	0.2	0.0	0.0	1.1
Louisiana	-	-	-	-	-	-
Mississippi	0.7	0.0	0.0	0.4	0.0	1.1
Oklahoma	11.8	0.0	0.3	1.7	0.0	13.8
Tennessee	-	-	-	-	-	-
Texas	2.9	0.0	1.1	0.1	0.0	4.2
South Atlantic	31.1	0.0	4.6	4.8	2.9	43.4
Delaware	-	-	-	-	-	-
District of Columbia ...	-	-	-	-	-	-
Florida	17.0	0.0	0.0	3.9	2.6	23.4
Georgia	-	-	-	-	-	-
Maryland	11.7	0.0	4.1	0.9	0.0	16.7
North Carolina	0.9	0.0	0.3	0.0	0.2	1.3
South Carolina	0.2	0.0	0.1	0.0	0.0	0.3
Virginia	1.2	0.0	0.2	0.1	0.2	1.7
West Virginia	-	-	-	-	-	-

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
West	102.7	8.3	119.3	93.8	62.2	386.3
Pacific Northwest	25.5	1.2	4.1	18.2	2.4	51.4
Idaho	0.5	0.0	0.2	0.1	0.2	1.1
Montana	1.5	0.0	1.8	0.1	0.1	3.6
Oregon	13.3	0.0	0.7	11.4	0.0	25.4
Washington	10.2	1.2	1.4	6.5	2.1	21.4
Pacific West	48.3	4.5	107.9	67.4	55.3	283.5
Alaska	-	-	-	-	-	-
California	48.3	4.5	107.9	67.4	55.3	283.5
Hawaii	-	-	-	-	-	-
Southwest	28.9	2.5	7.3	8.2	4.5	51.4
Arizona	3.9	0.0	0.4	0.2	0.0	4.6
Colorado	8.4	0.0	4.5	3.0	2.5	18.4
Nevada	0.1	0.0	0.0	0.3	0.3	0.6
New Mexico	1.5	0.0	1.7	1.0	0.1	4.3
Utah	14.9	2.5	0.7	3.7	1.5	23.3
Wyoming	0.1	0.0	0.0	0.0	0.0	0.2
Additional Aggregated Expendit	-	-	-	-	102.7	102.7
Total	538.0	61.5	295.0	283.1	225.1	1402.8

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

*In 2018, represents the gas organizations for whom data was carried through from the previous year.

Table 8. Canadian Electric and Gas Program Budgets by Province, Including Demand Response, 2012 - 2018 (Millions USD)

	2012	2013	2014	2015	2016	2017	2018
Alberta	-	-	-	-	-	-	-
British Columbia	239.1	239.1	239.3	141.6	115.8	282.6	99.3
Manitoba	0.0	0.0	39.1	12.6	55.0	107.5	58.4
New Brunswick*	-	-	-	-	14.8	31.4	-
Newfoundland and Labrador	0.0	0.0	5.2	6.1	6.9	15.8	7.7
Nova Scotia	0.0	0.0	43.6	31.6	23.9	51.8	26.2
Ontario	437.6	437.6	482.5	452.2	409.5	668.3	573.9
Prince Edward Island	-	-	-	-	-	-	-
Québec	0.0	0.0	197.4	104.5	116.4	170.0	77.2
Saskatchewan	27.1	27.1	26.9	15.2	14.3	22.8	15.0
Additional Canadian Gas Budgets**	61.7	61.7	30.6	-	-	-	-
Additional Aggregated Budgets***	377.7	377.7	-	-	-	-	-
Total	940.3	1,143.2	1,143.2	1,064.7	763.7	1,350.3	857.5

Canadian Electric and Gas Program Budgets by Province, Including Demand Response, 2011 - 2017 (Millions CAD)

	2012	2013	2014	2015	2016	2017	2018
Alberta	-	-	-	-	-	-	-
British Columbia	230.6	230.6	240.4	174.9	154.3	188.7	128.6
Manitoba	0.0	0.0	39.3	15.6	73.3	71.8	75.6
New Brunswick*	-	-	-	-	19.8	22.1	-
Newfoundland and Labrador	0.0	0.0	5.2	7.5	9.2	10.6	10.0
Nova Scotia	0.0	0.0	43.8	39.0	31.9	34.6	-
Ontario	421.968	422.0	484.7	558.9	545.7	448.6	743.5
Prince Edward Island	-	-	-	-	-	-	-
Québec	0.0	0.0	198.3	129.2	155.1	126.0	100.0
Saskatchewan	26.1	26.1	27.1	18.7	19.1	18.0	19.4
Additional Canadian Gas Budgets**	59.5	59.5	30.7	-	-	-	-
Additional Aggregated Budgets***	364.2	364.2	-	-	-	-	-
Total	1,102.4	1,102.4	1,069.6	943.8	1,008.4	920.5	1,077.1

Notes:

Between 2009 and 2011, CEE aggregated provincial level data in cases where we received information from only one program administrator in a province. Provinces marked with the symbol " - " indicate either (1) no organization responded with data in this province or (2) only one organization responded with data in this province. CEE aggregates these totals in "Additional Aggregated Budgets." In budgets in cases where only one program administrator responded with data in a province.

* Efficiency programs are not funded by ratepayers.

** Total gas budgets from respondents that did not grant permission to release their data at the provincial level.

*** Total budgets in cases where only one program administrator responded with data in a province.

Table 9. Canadian Electric and Gas Program Budgets by Province, 2018 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	17.6	4.7	52.1	24.9	0.0	99.3
Manitoba	13.4	4.9	39.6	0.5	0.0	58.4
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	4.4	0.0	1.8	1.1	0.3	7.7
Nova Scotia	-	-	-	-	-	-
Ontario	181.0	33.9	312.3	46.6	0.0	573.9
Prince Edward Island	-	-	-	-	-	-
Québec	6.9	5.6	51.2	11.9	1.6	77.2
Saskatchewan	2.5	0.2	4.6	2.9	4.8	15.0
Total	225.9	49.2	461.6	87.9	6.8	831.3

Canadian Electric and Gas Program Budgets by Province, 2018 (Millions CAD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	22.8	6.0	67.6	32.2	0.0	128.6
Manitoba	17.4	6.4	51.3	0.6	0.0	75.6
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	5.7	0.0	2.3	1.4	0.4	10.0
Nova Scotia	-	-	-	-	-	-
Ontario	234.6	43.9	404.6	60.4	0.0	743.5
Prince Edward Island	-	-	-	-	-	-
Québec	8.9	7.2	66.3	15.4	2.1	100.0
Saskatchewan	3.2	0.2	6.0	3.8	6.2	19.4
Total	292.7	63.7	598.1	113.9	8.7	1,077.1

Notes:

No organization responded with data in provinces marked with " - ."

* Includes expenditures in the multifamily customer class for natural gas programs.

class. programs that were administered by program administrators, as opposed to those administered by an ISO (such as ISO New England).

Table 10. Canadian Electric and Gas Program Expenditures by Province, 2017 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	14.9	4.6	43.5	26.2	0.0	89.2
Manitoba	12.2	5.9	41.4	0.2	0.0	59.8
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	4.3	0.0	1.9	0.5	0.3	7.0
Nova Scotia	-	-	-	-	-	-
Ontario	106.9	17.8	232.7	30.3	0.0	387.6
Prince Edward Island	-	-	-	-	-	-
Québec	7.0	2.6	43.0	10.8	1.5	65.0
Saskatchewan	3.7	0.0	6.0	3.0	4.7	17.4
Total	148.9	31.0	368.5	71.1	6.5	626.0

Canadian Electric and Gas Program Expenditures by Province, 2017 (Millions CAD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	19.3	6.0	56.5	34.0	0.0	115.8
Manitoba	15.8	7.7	53.8	0.3	0.0	77.6
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	5.6	0.0	2.5	0.7	0.4	9.1
Nova Scotia	-	-	-	-	-	-
Ontario	138.8	23.1	302.1	39.3	0.0	503.3
Prince Edward Island	-	-	-	-	-	-
Québec	9.3	3.4	56.9	14.4	2.0	86.0
Saskatchewan	4.9	0.0	7.9	4.0	6.2	23.0
Total	193.6	40.3	479.7	92.6	8.7	814.9

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes expenditures in the multifamily customer class for natural gas programs.

** Includes (1) programs that span more than one customer class and (2) total dollar amounts where respondents did not break out expenditures by customer class.

*** CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as Alberta Electric System Operator).

Table 11. Canadian Electric Program Budgets by Province, 2018 (Millions USD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Alberta	-	-	-	-	-	-	-	-	-	-
British Columbia	9.2	2.1	42.5	19.0	72.7	0.0	0.0	0.0	0.0	72.7
Manitoba	11.5	1.3	36.2	0.2	49.2	0.0	0.0	0.0	0.0	49.2
New Brunswick	-	-	-	-	-	-	-	-	-	-
Newfoundland and Labrador ...	4.4	0.0	1.8	1.1	7.4	0.3	0.0	0.0	0.3	7.7
Nova Scotia	10.5	0.0	13.1	2.6	26.2	0.0	0.0	0.0	0.0	26.2
Ontario	170.5	24.4	292.2	0.0	487.0	0.0	0.0	0.0	0.0	487.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	5.9	5.3	36.3	11.9	59.4	1.2	0.0	0.5	1.6	61.0
Saskatchewan	2.4	0.1	4.3	2.9	9.6	6.1	0.0	-1.3	4.8	14.4
Total	214.4	33.1	426.4	37.6	711.5	7.6	0.0	-0.8	6.8	718.3

Canadian Electric Program Budgets by Province, 2018 (Millions CAD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out	Total Demand Response	Grand Total
Alberta	-	-	-	-	-	-	-	-	-	-
British Columbia	11.9	2.7	55.1	24.6	94.2	0.0	0.0	0.0	0.0	94.2
Manitoba	14.9	1.7	47.0	0.3	63.8	0.0	0.0	0.0	0.0	63.8
New Brunswick	-	-	-	-	-	-	-	-	-	-
Newfoundland and Labrador ...	5.7	0.0	2.3	1.4	9.5	0.4	0.0	0.0	0.4	10.0
Nova Scotia	13.6	0.0	17.0	3.3	33.9	0.0	0.0	0.0	0.0	33.9
Ontario	220.8	31.5	378.6	0.0	631.0	0.0	0.0	0.0	0.0	631.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	7.7	6.9	47.0	15.4	77.0	1.5	0.0	0.6	2.1	79.1
Saskatchewan	3.1	0.1	5.5	3.8	12.4	7.9	0.0	-1.7	6.2	18.6
Total	277.8	42.9	552.4	48.8	921.9	9.8	0.0	-1.1	8.7	930.7

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes (1) programs that span more than one customer class or DR program type and (2) total dollar amounts where respondents did not break out expenditures by customer class or DR program type.

** A large number of program administrators reported that they did not administer any kind of demand response programs. CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as Alberta Electric System Operator).

Table 12. Canadian Electric Program Expenditures by Province, 2017 (Millions USD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Alberta	-	-	-	-	-	-	-	-	-	-
British Columbia	5.9	2.7	34.0	21.6	64.1	0.0	0.0	0.0	0.0	64.1
Manitoba	10.4	2.0	37.2	0.0	49.6	0.0	0.0	0.0	0.0	49.6
New Brunswick	-	-	-	-	-	-	-	-	-	-
Newfoundland and Labrador	4.3	0.0	1.9	0.5	6.7	0.3	0.0	0.0	0.3	7.0
Nova Scotia	9.8	0.0	11.4	2.2	23.4	0.0	0.0	0.0	0.0	23.4
Ontario	97.5	9.8	217.8	0.0	325.0	0.0	0.0	0.0	0.0	325.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	4.9	0.9	29.5	9.4	44.7	1.2	0.0	0.5	1.6	46.3
Saskatchewan	3.6	0.0	5.8	2.9	12.3	6.1	0.0	-1.3	4.8	17.1
Total	136.3	15.3	337.5	36.6	525.7	7.6	0.0	-0.8	6.8	532.5

Canadian Electric Program Expenditures by Province, 2017 (Millions CAD)

	Residential	Low Income	C&I	Other or Not Broken Out*	Total Efficiency	Total Incentive-Based**	Total Time-Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Alberta	-	-	-	-	-	-	-	-	-	-
British Columbia	7.6	3.5	44.1	28.0	83.2	0.0	0.0	0.0	0.0	83.2
Manitoba	13.5	2.6	48.3	0.0	64.4	0.0	0.0	0.0	0.0	64.4
New Brunswick	-	-	-	-	-	-	-	-	-	-
Newfoundland and Labrador	5.6	0.0	2.5	0.7	8.7	0.4	0.0	0.0	0.4	9.1
Nova Scotia	12.7	0.0	14.8	2.9	30.3	0.0	0.0	0.0	0.0	30.3
Ontario	126.6	12.7	282.7	0.0	422.0	0.0	0.0	0.0	0.0	422.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	6.4	1.2	38.3	12.2	58.0	1.5	0.0	0.6	2.1	60.1
Saskatchewan	4.7	0.0	7.6	3.7	16.0	7.9	0.0	-1.7	6.2	22.2
Total	177.0	19.9	438.2	47.5	682.6	9.8	0.0	-1.1	8.8	691.4

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

* Includes (1) programs that span more than one customer class or DR program type and (2) total dollar amounts where respondents did not break out expenditures by customer class or DR program type.

** A large number of program administrators reported that they did not administer any kind of demand response programs. CEE made an effort to convey to respondents that we only wanted information on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as Alberta Electric System Operator).

Table 13. Canadian Gas Program Budgets by Province, 2018 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	8.4	2.6	0.0	9.6	5.9	26.5
Manitoba	1.9	3.6	0.0	3.3	0.3	9.1
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	8.8	9.5	1.8	20.1	46.6	86.8
Prince Edward Island	-	-	-	-	-	-
Québec	1.0	0.2	0.0	14.9	0.0	16.1
Saskatchewan	0.1	0.1	0.0	0.4	0.0	0.6
Total	20.2	16.1	1.8	48.4	52.8	139.2

Canadian Gas Program Budgets by Province, 2018 (Millions CAD)

	Residential	Low Income	Multifamily	C & I	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	10.9	3.3	12.5	0.0	7.6	34.4
Manitoba	2.5	4.7	4.3	0.0	0.3	11.8
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	11.4	12.3	26.0	2.3	60.4	112.5
Prince Edward Island	-	-	-	-	-	-
Québec	1.2	0.3	19.3	0.0	0.0	20.9
Saskatchewan	0.2	0.1	0.5	0.0	0.0	0.8
Total	26.2	20.8	62.7	2.3	68.4	180.4

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.

Table 14. Canadian Gas Program Expenditures by Province, 2017 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	9.0	2.0	0.0	9.5	4.6	25.1
Manitoba	1.8	3.9	0.0	4.2	0.2	10.2
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	8.6	8.0	0.8	14.9	30.3	62.6
Prince Edward Island	-	-	-	-	-	-
Québec	1.9	0.1	0.0	12.1	0.1	14.2
Saskatchewan	0.1	0.1	0.0	0.3	0.1	0.7
Total	21.4	14.1	0.8	41.1	35.4	112.8

Canadian Gas Program Expenditures by Province, 2017 (Millions CAD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	11.7	2.5	0.0	12.4	6.0	32.6
Manitoba	2.3	5.1	0.0	5.5	0.3	13.2
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	11.2	10.4	1.0	19.4	39.3	81.3
Prince Edward Island	-	-	-	-	-	-
Québec	2.5	0.2	0.0	15.7	0.1	18.5
Saskatchewan	0.2	0.1	0.0	0.4	0.2	0.9
Total	27.8	18.3	1.0	53.4	45.9	146.4

Notes:

In states marked with " - ", one or less program administrators responded to the survey in 2018.