

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.

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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@cee1.org.

Table 1. US Electric and Gas Program Budgets by State, Including Demand Response, 2011 - 2017
(Millions USD)

	2011	2012	2013	2014	2015	2016	2017
Northeast	2,712.9	2,638.2	2,586.1	2,723.7	2,723.9	2,340.9	2,442.0
New England	706.3	917.0	924.7	1,083.5	1,140.9	1,169.4	1,191.0
Connecticut	120.2	137.5	109.6	202.8	188.1	217.3	214.1
Maine	14.0	23.1	21.0	24.1	45.7	38.1	44.9
Massachusetts	506.7	613.9	641.2	681.4	729.7	729.3	742.8
New Hampshire	25.1	26.9	22.0	24.0	24.3	25.4	23.5
Rhode Island	-	75.4	85.9	105.1	101.1	105.1	113.5
Vermont	40.2	40.1	45.0	46.0	52.0	54.1	52.3
Mid-Atlantic	2,006.7	1,721.2	1,661.4	1,640.2	1,583.0	1,171.6	1,250.9
New Jersey	499.4	483.6	603.7	466.9	422.0	404.0	496.0
New York	1,215.5	877.3	785.8	889.1	935.6	575.0	561.8
Pennsylvania	291.8	360.4	271.9	284.2	225.4	192.6	193.1
Midwest	1,071.2	1,461.0	1,583.7	1,499.6	1,543.1	1,596.2	1,677.1
Illinois	175.3	336.1	354.0	333.0	411.1	500.5	433.4
Indiana	94.4	135.4	171.2	203.3	113.8	90.6	124.1
Iowa	154.8	180.8	181.6	192.6	179.3	199.8	201.6
Kansas	17.6	13.5	14.8	1.5	-	-	-
Michigan	184.8	231.5	242.2	227.3	211.9	246.5	255.8
Minnesota	165.8	164.3	164.3	180.9	168.1	126.7	182.1
Missouri	61.3	40.8	58.2	66.3	101.2	59.1	63.5
Nebraska	4.9	11.9	15.1	5.2	5.4	-	-
North Dakota	0.7	1.0	1.1	0.9	1.3	0.1	0.1
Ohio	183.5	261.1	273.9	189.0	258.7	278.2	298.0
South Dakota	1.8	2.2	3.3	3.5	3.8	2.2	2.2
Wisconsin	26.5	82.4	104.1	96.0	88.4	92.4	116.4
South	1,254.5	1,256.3	1,455.3	1,699.6	1,292.7	1,307.8	1,577.7
South Central	495.9	485.1	556.8	589.1	561.6	509.3	570.0
Alabama	82.1	55.7	34.8	40.0	37.7	44.7	40.9
Arkansas	33.3	66.7	83.8	82.8	98.3	96.4	97.6
Kentucky	50.5	53.9	56.2	62.7	56.1	53.5	63.6
Louisiana	-	3.7	3.7	5.1	13.4	20.3	-
Mississippi	33.2	16.5	10.1	7.2	19.3	16.3	17.9
Oklahoma	44.3	45.7	84.7	90.0	87.9	82.3	90.5
Tennessee	116.8	80.3	59.3	64.4	52.1	54.0	56.6
Texas	135.7	162.6	224.4	236.8	196.8	162.1	202.9

	2011	2012	2013	2014	2015	2016	2017
South Atlantic	758.6	771.2	898.5	1,110.5	731.1	798.5	1,007.7
Delaware	-	-	-	-	-	-	-
District of Columbia	-	-	14.0	17.6	18.5	13.8	14.7
Florida	367.1	425.8	527.3	554.0	204.3	201.5	337.8
Georgia	31.7	48.5	71.5	60.5	56.8	56.8	56.5
Maryland	216.3	150.5	119.4	292.2	261.2	314.8	376.7
North Carolina	107.7	99.5	118.7	133.2	136.5	164.0	170.5
South Carolina	28.2	31.2	34.0	36.9	38.0	45.1	47.2
Virginia	7.6	5.7	3.7	4.1	3.7	2.4	4.2
West Virginia	-	9.9	9.9	12.1	12.1	-	-
West	2,869.0	2,902.0	2,814.9	2,820.9	2,746.2	2,541.8	2,751.3
Pacific Northwest	619.0	652.2	578.3	589.4	593.4	445.6	611.4
Idaho.....	50.5	62.2	30.8	39.3	45.4	38.8	42.4
Montana	10.1	16.5	10.6	0.5	0.6	0.2	2.7
Oregon	136.9	152.9	151.0	160.0	151.9	169.3	180.6
Washington.....	180.5	253.0	216.4	157.3	221.4	200.2	218.0
BPA and NEEA**.....	241.1	167.6	169.4	232.4	174.1	37.2	167.7
Pacific West	1,805.0	1,832.6	1,797.2	1,750.1	1,665.7	1,670.9	1,667.1
Alaska	-	-	-	-	-	-	-
California	1,805.0	1,799.3	1,763.7	1,710.4	1,628.4	1,644.2	1,637.9
Hawaii	-	33.3	33.5	39.7	37.4	26.7	29.2
Southwest	445.1	417.2	439.4	481.4	487.0	425.3	472.9
Arizona	144.7	143.2	170.1	157.6	132.0	109.4	129.8
Colorado.....	96.5	100.1	102.3	111.8	147.2	138.3	134.2
Nevada	79.3	56.4	57.3	66.2	68.6	43.3	43.4
New Mexico	34.2	36.6	36.8	47.3	42.9	42.1	71.0
Utah	84.7	75.4	66.6	93.2	88.6	92.0	87.7
Wyoming	5.7	5.6	6.3	5.2	7.7	0.2	6.7
Additional Gas Budgets*	-	-	-	-	-	-	-
Additional Aggregated Budgets***	94.0	-	-	-	-	292.3	216.5
Total	8,001.7	8,257.5	8,439.9	8,743.8	8,305.9	8,079.0	8,664.6

Notes:

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

** "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 and 2017 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, 2017 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	874.7	305.5	1,077.0	121.4	63.4	2,442.0
New England	496.9	148.4	471.3	64.8	9.7	1,191.0
Connecticut	63.7	27.9	92.6	29.9	0.0	214.1
Maine	14.9	4.8	21.1	4.1	0.0	44.9
Massachusetts	347.1	94.4	270.8	20.8	9.7	742.8
New Hampshire	7.2	3.9	12.4	0.0	0.0	23.5
Rhode Island	42.4	17.2	47.5	6.4	0.0	113.5
Vermont	21.7	0.1	26.8	3.7	0.0	52.3
Mid-Atlantic	377.8	157.1	605.7	56.6	53.7	1,250.9
New Jersey	181.6	30.1	269.2	13.1	2.0	496.0
New York	133.0	92.4	278.3	17.7	40.5	561.8
Pennsylvania	63.3	34.6	58.2	25.8	11.2	193.1
Midwest	574.7	128.3	745.0	151.9	77.2	1,677.1
Illinois	121.1	30.7	246.8	26.9	7.9	433.4
Indiana	54.4	5.9	48.5	7.3	8.0	124.1
Iowa	70.6	8.8	65.8	17.8	38.7	201.6
Kansas	-	-	-	-	-	-
Michigan	102.0	26.6	88.5	38.7	0.0	255.8
Minnesota	61.9	12.2	76.7	17.2	14.1	182.1
Missouri	19.7	6.2	32.6	5.0	0.0	63.5
Nebraska	-	-	-	-	-	-
North Dakota	0.1	0.0	0.0	0.0	0.0	0.1
Ohio	106.7	37.1	133.5	12.5	8.3	298.0
South Dakota	1.2	0.0	0.6	0.1	0.2	2.2
Wisconsin	37.0	0.9	52.0	26.5	0.0	116.4
South	513.0	106.9	470.7	92.6	394.5	1,577.7
South Central	220.1	53.9	197.4	33.6	65.0	570.0
Alabama	7.8	0.0	3.0	4.6	25.4	40.9
Arkansas	38.6	0.0	47.2	3.7	8.1	97.6
Kentucky	32.6	1.5	12.5	9.6	7.3	63.6
Louisiana	-	-	-	-	-	-
Mississippi	6.0	0.0	10.1	1.0	0.8	17.9
Oklahoma	44.6	4.6	28.4	9.6	3.3	90.5
Tennessee	30.8	0.0	16.8	0.0	8.9	56.6
Texas	59.6	47.7	79.4	5.1	11.1	202.9
South Atlantic	293.0	53.0	273.3	59.0	329.5	1,007.7
Delaware	-	-	-	-	-	-
District of Columbia	3.3	1.1	10.2	0.1	0.0	14.7
Florida	73.5	8.1	29.7	5.6	221.0	337.8
Georgia	24.3	0.0	31.4	0.0	0.8	56.5
Maryland	105.2	30.9	126.6	53.0	61.1	376.7
North Carolina	67.8	9.2	56.8	0.2	36.6	170.5
South Carolina	16.6	3.1	17.5	0.0	9.9	47.2
Virginia	2.2	0.7	1.2	0.2	0.0	4.2
West Virginia	-	-	-	-	-	-
West	475.3	308.5	854.4	845.9	267.2	2,751.3
Pacific Northwest	158.4	12.0	247.4	184.0	9.6	611.4
Idaho	8.4	3.1	18.0	3.9	9.1	42.4
Montana	1.4	1.1	0.2	0.1	0.0	2.7
Oregon	57.7	0.7	121.3	0.3	0.6	180.6
Washington	81.4	1.7	89.8	45.1	0.0	218.0
BPA and NEEA****	9.4	5.4	18.2	134.7	0.0	167.7

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	182.9	286.5	421.9	607.3	168.5	1,667.1
Alaska	-	-	-	-	-	-
California	173.0	286.5	409.0	600.9	168.5	1,637.9
Hawaii	10.0	0.0	12.8	6.4	0.0	29.2
Southwest	134.0	10.1	185.1	54.6	89.1	472.9
Arizona	45.2	3.1	43.4	30.5	7.6	129.8
Colorado	24.2	4.6	46.4	9.3	49.9	134.2
Nevada	7.0	0.0	12.8	5.9	17.8	43.4
New Mexico	17.7	1.4	42.9	2.4	6.7	71.0
Utah	39.7	1.0	39.7	0.0	7.3	87.7
Wyoming	0.2	0.0	0.0	6.5	0.0	6.7
Additional Aggregated Budgets****	72.6	14.7	89.5	14.3	25.3	216.5
Total	2,510.3	864.0	3,236.6	1,226.1	827.6	8,664.6

Notes:

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

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

**** "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, 2016 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	751.0	227.4	903.9	106.6	69.6	2,058.4
New England	420.6	130.5	419.9	70.5	1.0	1,042.5
Connecticut	60.6	29.6	89.7	34.0	0.0	214.0
Maine	11.5	1.9	12.6	2.4	0.0	28.4
Massachusetts	293.2	81.6	254.2	11.7	1.0	641.8
New Hampshire	6.4	3.3	10.4	0.0	0.0	20.1
Rhode Island	36.3	13.9	40.2	3.2	0.0	93.7
Vermont	12.6	0.1	12.7	19.2	0.0	44.5
Mid-Atlantic	330.4	96.9	484.0	36.0	68.6	1,015.9
New Jersey	109.5	17.5	109.8	3.4	2.1	242.2
New York	133.7	52.0	316.6	29.7	61.3	593.3
Pennsylvania	87.2	27.4	57.7	3.0	5.2	180.4
Midwest	522.3	96.6	624.6	104.9	79.2	1,427.4
Illinois	123.2	10.8	187.1	16.8	8.2	346.1
Indiana	45.1	3.7	55.2	3.7	5.9	113.5
Iowa	71.0	9.7	78.8	13.8	43.0	216.3
Kansas	-	-	-	-	-	-
Michigan	115.0	20.4	94.5	15.3	3.8	248.9
Minnesota	59.4	8.6	66.1	33.7	13.0	180.8
Missouri	19.0	3.7	10.1	4.1	0.0	36.9
Nebraska	-	0.0	0.0	0.0	0.0	0.0
North Dakota	0.1	0.0	0.0	0.0	0.0	0.1
Ohio	56.0	38.9	78.6	7.0	5.0	185.5
South Dakota	1.1	0.0	0.6	0.0	0.2	2.0
Wisconsin	32.4	0.8	53.5	10.5	0.0	97.2
South	511.6	91.6	422.5	50.8	401.2	1,477.7
South Central	223.1	51.3	185.3	19.2	79.8	558.6
Alabama	10.5	0.0	4.1	0.0	28.8	43.4
Arkansas	36.7	0.0	42.1	2.8	7.9	89.5
Kentucky	30.1	0.7	13.7	7.3	6.4	58.3
Louisiana	-	-	-	-	-	-
Mississippi	5.1	0.7	7.6	1.1	0.7	15.3
Oklahoma	41.9	4.1	26.8	3.9	3.1	79.8
Tennessee	32.0	0.0	12.8	0.0	8.0	52.8
Texas	66.8	45.7	78.2	4.0	24.9	219.6
South Atlantic	288.5	40.3	237.2	31.7	321.4	919.1
Delaware	-	-	-	-	-	-
District of Columbia	2.6	3.0	7.5	0.0	0.0	13.1
Florida	69.0	3.1	28.2	12.7	218.0	330.9
Georgia	28.4	0.0	21.9	0.0	10.0	60.3
Maryland	94.1	26.9	85.3	18.7	56.9	281.9
North Carolina	73.3	5.5	71.9	0.2	28.1	179.0
South Carolina	19.7	1.6	22.0	0.0	8.3	51.7
Virginia	1.3	0.2	0.4	0.2	0.0	2.2
West Virginia	-	-	-	-	-	-
West	470.2	193.6	827.4	723.0	352.1	2,566.3
Pacific Northwest	158.1	15.1	225.4	165.0	9.5	573.0
Idaho	8.7	3.2	19.3	6.0	9.0	46.2
Montana	1.5	1.8	0.1	0.1	0.0	3.6
Oregon	57.0	0.7	108.6	0.3	0.5	167.1
Washington	78.1	4.0	82.0	31.6	0.0	195.6
BPA and NEEA****	12.7	5.4	15.5	127.0	0.0	160.5

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	168.4	165.3	431.0	528.3	271.6	1,564.6
Alaska	-	-	-	-	-	-
California	159.7	165.3	416.0	522.9	271.6	1,535.5
Hawaii	8.7	0.0	15.0	5.4	0.0	29.1
Southwest	143.7	13.2	171.0	29.8	71.0	428.8
Arizona	52.4	3.0	53.0	8.4	5.8	122.6
Colorado	33.7	7.6	42.5	7.0	38.9	129.6
Nevada	8.9	0.0	12.9	3.3	13.9	38.9
New Mexico	14.5	1.9	13.9	7.6	7.4	45.3
Utah	33.3	0.8	41.5	3.1	5.0	83.7
Wyoming	0.9	0.0	7.2	0.5	0.0	8.6
Additional Aggregated Expenditures*****.	82.8	17.1	103.4	18.4	52.1	273.9
Total	2,337.8	626.2	2,881.8	1,003.7	954.2	7,803.8

Notes:

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

* 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 and 2017 this represents the sum attributed to smaller electric program administrators carried through due to this year's streamlined data collection process.

Table 4. US Electric Program Budgets 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	553.7	197.8	885.8	99.2	1,736.5	59.7	0.0	3.7	63.4	1,799.9
New England	322.1	92.1	398.5	53.3	866.0	9.7	0.0	0.0	9.7	875.7
Connecticut	43.1	17.9	77.5	23.5	161.9	0.0	0.0	0.0	0.0	161.9
Maine	14.2	4.3	18.5	3.9	41.0	0.0	0.0	0.0	0.0	41.0
Massachusetts	209.5	55.6	229.0	16.6	510.6	9.7	0.0	0.0	9.7	520.3
New Hampshire	5.1	3.0	9.7	0.0	17.9	0.0	0.0	0.0	0.0	17.9
Rhode Island	30.1	11.3	37.9	5.8	85.1	0.0	0.0	0.0	0.0	85.1
Vermont	20.0	0.0	25.9	3.7	49.5	0.0	0.0	0.0	0.0	49.5
Mid-Atlantic	231.6	105.7	487.3	45.9	870.4	50.0	0.0	3.7	53.7	924.1
New Jersey	81.0	22.5	194.4	10.2	308.1	2.0	0.0	0.0	2.0	310.1
New York	93.1	64.5	236.2	10.8	404.5	38.2	0.0	2.2	40.5	445.0
Pennsylvania	57.6	18.7	56.7	24.9	157.8	9.7	0.0	1.5	11.2	169.0
Midwest	421.1	60.5	637.7	121.7	1,240.9	65.6	2.1	9.5	77.2	1,318.2
Illinois	109.4	17.7	211.3	18.7	357.1	2.9	1.4	3.6	7.9	365.0
Indiana	45.7	4.8	45.2	6.0	101.7	7.3	0.7	0.0	8.0	109.7
Iowa	36.7	1.9	49.5	15.3	103.5	38.7	0.0	0.0	38.7	142.1
Kansas	-	-	-	-	-	-	-	-	-	-
Michigan	65.6	12.8	70.6	29.7	178.7	0.0	0.0	0.0	0.0	178.7
Minnesota	31.4	5.2	57.0	12.8	106.4	8.3	0.0	5.9	14.1	120.5
Missouri	15.8	3.3	31.4	5.0	55.5	0.0	0.0	0.0	0.0	55.5
Nebraska	-	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-
Ohio	86.1	14.7	130.4	11.5	242.7	8.3	0.0	0.0	8.3	250.9
South Dakota	0.2	0.0	0.4	0.0	0.7	0.2	0.0	0.0	0.2	0.9
Wisconsin	30.3	0.0	41.9	22.7	94.9	0.0	0.0	0.0	0.0	94.9
South	451.4	98.9	455.0	89.8	1,095.0	321.7	11.2	61.6	394.5	1,489.5
South Central	191.7	51.8	187.4	33.4	464.2	37.8	4.7	22.6	65.0	529.2
Alabama	7.8	0.0	3.0	4.6	15.5	2.8	0.0	22.6	25.4	40.9
Arkansas	30.2	0.0	40.9	3.4	74.6	8.1	0.0	0.0	8.1	82.7
Kentucky	31.9	0.9	12.4	9.6	54.9	3.1	4.3	0.0	7.3	62.2
Louisiana	-	-	-	-	-	-	-	-	-	-
Mississippi	5.2	0.0	9.6	1.0	15.8	0.8	0.0	0.0	0.8	16.6
Oklahoma	30.3	3.9	25.4	9.6	69.2	3.3	0.0	0.0	3.3	72.5
Tennessee	30.8	0.0	16.8	0.0	47.7	8.9	0.0	0.0	8.9	56.6
Texas	55.4	46.9	79.2	5.1	186.6	10.7	0.4	0.0	11.1	197.7
South Atlantic	259.7	47.1	267.6	56.4	630.8	283.9	6.5	39.1	329.5	960.3
Delaware	-	-	-	-	-	-	-	-	-	-
District of Columbia	3.3	1.1	10.2	0.1	14.7	0.0	0.0	0.0	0.0	14.7
Florida	55.3	8.1	25.5	3.4	92.3	175.4	6.5	39.1	221.0	313.3
Georgia	24.3	0.0	31.4	0.0	55.7	0.8	0.0	0.0	0.8	56.5
Maryland	93.4	26.0	125.7	53.0	298.0	61.1	0.0	0.0	61.1	359.1
North Carolina	66.9	9.0	56.8	0.0	132.7	36.6	0.0	0.0	36.6	169.2
South Carolina	16.4	3.0	17.5	0.0	37.0	9.9	0.0	0.0	9.9	46.9
Virginia	0.1	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.6
West Virginia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West	377.6	97.7	764.0	783.7	2,022.9	91.8	9.2	166.2	267.2	2,290.2
Pacific Northwest	132.9	9.4	224.3	180.4	547.0	9.6	0.0	0.0	9.6	556.7
Idaho	7.9	3.0	17.8	3.4	32.2	9.1	0.0	0.0	9.1	41.3
Montana	-	-	-	-	-	-	-	-	-	-
Oregon	44.8	0.0	105.8	0.3	150.9	0.6	0.0	0.0	0.6	151.5
Washington	70.8	0.9	82.5	42.0	196.3	0.0	0.0	0.0	0.0	196.3
BPA and NEEA***	9.4	5.4	18.2	134.7	167.7	0.0	0.0	0.0	0.0	167.7

	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	137.7	81.9	363.4	550.0	1,132.9	29.4	5.2	133.9	168.5	1,301.4
Alaska	-	-	-	-	-	-	-	-	-	-
California	127.7	81.9	350.5	543.6	1,103.7	29.4	5.2	133.9	168.5	1,272.2
Hawaii	10.0	0.0	12.8	6.4	29.2	0.0	0.0	0.0	0.0	29.2
Southwest	107.0	6.4	176.3	53.3	343.0	52.8	4.0	32.3	89.1	432.1
Arizona	42.2	2.5	41.9	30.5	117.1	2.1	3.8	1.6	7.6	124.6
Colorado	22.7	3.8	45.4	8.6	80.4	19.0	0.1	30.7	49.9	130.3
Nevada	7.0	0.0	12.8	5.5	25.3	17.8	0.0	0.0	17.8	43.0
New Mexico	14.9	0.0	41.3	2.2	58.4	6.7	0.0	0.0	6.7	65.1
Utah	20.2	0.1	35.0	0.0	55.3	7.3	0.0	0.0	7.3	62.6
Wyoming	0.0	0.0	0.0	6.5	6.5	0.0	0.0	0.0	0.0	6.5
Additional Aggregated Budgets****	72.6	14.7	89.5	14.3	191.2	18.7	0.0	6.6	25.3	216.5
Total	1,876.3	469.5	2,832.0	1,108.7	6,286.5	557.5	22.5	247.6	827.6	7,114.1

Notes:

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

* 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 this represents the sum attributed to smaller electric program administrators carried through due to this year's streamlined data collection process.

Table 5. US Electric Program Expenditures by State, 2016 (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	488.7	119.5	812.2	73.0	1,493.5	69.0	0.0	0.7	69.6	1,563.2
New England	262.2	82.6	355.9	61.4	762.1	1.0	0.0	0.0	1.0	763.1
Connecticut	42.2	21.4	76.7	28.3	168.7	0.0	0.0	0.0	0.0	168.7
Maine	11.2	1.9	11.9	2.4	27.4	0.0	0.0	0.0	0.0	27.4
Massachusetts	168.1	47.8	213.9	8.7	438.5	1.0	0.0	0.0	1.0	439.5
New Hampshire	4.6	2.3	8.2	0.0	15.1	0.0	0.0	0.0	0.0	15.1
Rhode Island	25.5	9.2	33.2	2.7	70.6	0.0	0.0	0.0	0.0	70.6
Vermont	10.6	0.0	12.0	19.2	41.8	0.0	0.0	0.0	0.0	41.8
Mid-Atlantic	226.6	36.9	456.3	11.7	731.5	68.0	0.0	0.7	68.6	800.1
New Jersey	46.2	0.0	97.0	1.0	144.1	2.1	0.0	0.0	2.1	146.2
New York	97.2	26.4	301.9	8.3	433.8	61.0	0.0	0.3	61.3	495.1
Pennsylvania	83.2	10.5	57.4	2.4	153.6	4.8	0.0	0.3	5.2	158.8
Midwest	351.2	34.9	539.2	81.3	1,006.6	63.6	1.9	13.7	79.2	1,085.7
Illinois	97.7	5.5	165.6	4.0	272.8	3.4	1.3	3.4	8.2	280.9
Indiana	33.5	2.6	52.6	2.9	91.6	5.4	0.6	0.0	5.9	97.5
Iowa	36.5	2.1	68.6	11.9	119.2	43.0	0.0	0.0	43.0	162.2
Kansas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Michigan	72.1	6.7	74.4	12.0	165.2	0.0	0.0	3.8	3.8	169.0
Minnesota	30.4	3.0	52.2	31.4	117.0	6.5	0.0	6.5	13.0	130.0
Missouri	16.9	1.5	9.1	4.1	31.6	0.0	0.0	0.0	0.0	31.6
Nebraska	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Dakota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ohio	38.9	13.4	75.0	6.1	133.5	5.0	0.0	0.0	5.0	138.4
South Dakota	0.2	0.0	0.5	0.0	0.7	0.2	0.0	0.0	0.2	1.0
Wisconsin	25.0	0.0	41.2	8.8	75.0	0.0	0.0	0.0	0.0	75.0
South	456.4	85.4	410.3	47.8	999.8	335.5	7.8	57.9	401.2	1,400.9
South Central	198.9	49.7	177.9	19.0	445.5	49.0	4.5	26.3	79.8	525.2
Alabama	10.5	0.0	4.1	0.0	14.6	2.5	0.0	26.3	28.8	43.4
Arkansas	28.8	0.0	37.0	2.7	68.5	7.9	0.0	0.0	7.9	76.3
Kentucky	29.3	0.5	13.6	7.3	50.8	2.4	4.1	0.0	6.4	57.2
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mississippi	4.3	0.7	7.3	1.1	13.4	0.7	0.0	0.0	0.7	14.1
Oklahoma	30.2	3.9	25.1	3.9	63.0	3.1	0.0	0.0	3.1	66.1
Tennessee	32.0	0.0	12.8	0.0	44.8	8.0	0.0	0.0	8.0	52.8
Texas	63.9	44.6	78.1	4.0	190.5	24.4	0.4	0.0	24.9	215.4
South Atlantic	257.4	35.7	232.4	28.8	554.3	286.4	3.3	31.7	321.4	875.7
Delaware	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
District of Columbia	2.6	3.0	7.5	0.0	13.1	0.0	0.0	0.0	0.0	13.1
Florida	52.1	3.1	24.2	10.1	89.5	186.4	3.3	28.3	218.0	307.5
Georgia	28.4	0.0	21.9	0.0	50.3	10.0	0.0	0.0	10.0	60.3
Maryland	82.4	22.8	84.5	18.7	208.3	53.6	0.0	3.3	56.9	265.2
North Carolina	72.4	5.3	71.9	0.0	149.6	28.1	0.0	0.0	28.1	177.7
South Carolina	19.4	1.6	22.0	0.0	43.1	8.3	0.0	0.0	8.3	51.3
Virginia	0.1	0.0	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.5
West Virginia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West	359.2	74.3	733.6	660.8	1,927.9	221.4	9.5	121.2	352.1	2,180.0
Pacific Northwest	131.3	10.9	207.2	162.6	512.0	9.5	0.0	0.0	9.5	521.5
Idaho	8.2	3.0	19.1	5.9	36.1	9.0	0.0	0.0	9.0	45.1
Montana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	43.7	0.0	97.2	0.3	141.2	0.5	0.0	0.0	0.5	141.7
Washington	66.7	2.5	75.4	29.5	174.2	0.0	0.0	0.0	0.0	174.2
BPA and NEEA***	12.7	5.4	15.5	127.0	160.5	0.0	0.0	0.0	0.0	160.5

	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	115.6	57.4	363.6	472.9	1,009.5	171.2	5.8	94.6	271.6	1,281.1
Alaska	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
California	106.9	57.4	348.6	467.6	980.4	171.2	5.8	94.6	271.6	1,252.0
Hawaii	8.7	0.0	15.0	5.4	29.1	0.0	0.0	0.0	0.0	29.1
Southwest	112.3	5.9	162.8	25.3	306.3	40.7	3.7	26.6	71.0	377.4
Arizona	48.5	2.6	52.8	8.4	112.3	1.8	3.4	0.6	5.8	118.1
Colorado	25.2	3.1	39.5	4.4	72.2	12.6	0.4	26.0	38.9	111.2
Nevada	13.0	0.2	12.9	7.5	33.5	7.4	0.0	0.0	7.4	40.9
New Mexico	8.8	0.0	12.6	3.0	24.5	13.9	0.0	0.0	13.9	38.3
Utah	15.9	0.1	37.8	1.6	55.4	5.0	0.0	0.0	5.0	60.4
Wyoming	0.8	0.0	7.2	0.5	8.5	0.0	0.0	0.0	0.0	8.5
Additional Aggregated Expenditures****	82.8	17.1	103.4	18.4	221.8	52.1	0.0	52.1	52.1	273.9
Total	1,738.3	331.2	2,598.7	881.3	5,549.5	741.5	19.2	245.6	954.2	6,503.7

Notes:

No organization responded with data in states marked with " - "

* 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 this represents the sum attributed to smaller electric program administrators carried through due to this year's streamlined data collection process.

Table 6. US Gas Program Budgets by State, 2017 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Northeast	279.0	107.7	42.1	191.2	22.2	642.1
New England	153.4	56.3	21.4	72.7	11.5	315.3
Connecticut	16.8	10.1	3.8	15.1	6.4	52.2
Maine	0.7	0.5	0.0	2.6	0.2	4.0
Massachusetts	121.8	38.9	15.8	41.8	4.2	222.5
New Hampshire	2.0	0.9	0.0	2.7	0.0	5.6
Rhode Island	10.5	5.9	1.8	9.6	0.6	28.4
Vermont	1.7	0.1	0.0	0.9	0.0	2.7
Mid-Atlantic	125.6	51.4	20.7	118.4	10.7	326.8
New Jersey	92.9	7.6	7.6	74.8	2.9	185.9
New York	26.9	27.9	13.0	42.1	7.0	116.8
Pennsylvania	5.7	15.9	0.0	1.5	0.9	24.1
Midwest	144.5	67.9	9.1	107.3	30.1	359.0
Illinois	7.8	13.0	3.9	35.5	8.2	68.4
Indiana	8.4	1.1	0.3	3.4	1.3	14.4
Iowa	31.6	6.9	2.2	16.2	2.5	59.5
Kansas	-	-	-	-	-	-
Michigan	34.5	13.8	2.0	17.9	9.0	77.1
Minnesota	30.3	7.0	0.2	19.7	4.4	61.6
Missouri	3.4	2.9	0.5	1.2	0.0	8.0
Nebraska	-	-	-	-	-	-
North Dakota	0.1	0.0	0.0	0.0	0.0	0.1
Ohio	20.6	22.4	0.0	3.1	0.9	47.0
South Dakota	1.0	0.0	0.0	0.2	0.0	1.3
Wisconsin	6.7	0.9	0.0	10.1	3.8	21.6
South	61.6	8.0	0.1	15.7	2.8	88.2
South Central	28.4	2.1	0.1	10.0	0.3	40.8
Alabama	-	-	-	-	-	-
Arkansas	8.4	0.0	0.0	6.3	0.3	14.9
Kentucky	0.7	0.6	0.0	0.1	0.0	1.4
Louisiana	-	-	-	-	-	-
Mississippi	0.8	0.0	0.1	0.5	0.0	1.3
Oklahoma	14.3	0.7	0.0	3.0	0.0	18.0
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0
Texas	4.2	0.8	0.0	0.1	0.0	5.1
South Atlantic	33.2	5.9	0.0	5.7	2.6	47.4
Delaware	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-
Florida	18.2	0.0	0.0	4.2	2.2	24.6
Georgia	-	-	-	-	-	-
Maryland	11.8	4.9	0.0	0.9	0.0	17.6
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	2.1	0.7	0.0	0.7	0.2	3.6
West Virginia	-	-	-	-	-	-

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
West	86.8	210.9	10.8	90.4	62.2	461.1
Pacific Northwest	24.6	2.6	0.8	23.1	3.6	54.7
Idaho	0.5	0.0	0.0	0.1	0.5	1.1
Montana	1.4	1.1	0.0	0.2	0.1	2.7
Oregon	12.9	0.7	0.0	15.5	0.0	29.2
Washington	9.8	0.8	0.8	7.2	3.1	21.7
Pacific West	39.0	204.6	6.3	58.5	57.3	365.7
Alaska	-	-	-	-	-	-
California	39.0	204.6	6.3	58.5	57.3	365.7
Hawaii	-	-	-	-	-	-
Southwest	23.2	3.7	3.7	8.8	1.3	40.7
Arizona	3.0	0.7	0.0	1.5	0.0	5.2
Colorado	1.5	0.8	0.0	1.0	0.7	3.9
Nevada	0.0	0.0	0.0	0.0	0.4	0.4
New Mexico	2.1	1.4	0.8	1.6	0.1	5.9
Utah	16.5	0.9	3.0	4.7	0.0	25.1
Wyoming	0.2	0.0	0.0	0.0	0.0	0.2
Total	571.9	394.5	62.1	404.6	117.4	1,550.5

Notes:

No organizations responded with data in states marked with " - ."

Table 7. US Gas Program Expenditures by State, 2016 (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
Total	538.0	61.5	295.0	283.1	122.4	1300.0

Notes:

No organizations responded with data in states marked with " - ."

Table 8. Canadian Electric and Gas Program Budgets by Province, Including Demand Response, 2011 - 2017 (Millions USD)

	2011	2012	2013	2014	2015	2016	2017
Alberta	-	-	-	-	-	-	-
British Columbia	207.1	239.1	239.1	239.3	141.6	115.8	282.6
Manitoba	65.0	0.0	0.0	39.1	12.6	55.0	107.5
New Brunswick*	-	-	-	-	-	14.8	31.4
Newfoundland and Labrador	1.2	0.0	0.0	5.2	6.1	6.9	15.8
Nova Scotia	21.5	0.0	0.0	43.6	31.6	23.9	51.8
Ontario	393.1	437.6	437.6	482.5	452.2	409.5	668.3
Prince Edward Island	-	-	-	-	-	-	-
Québec	238.0	0.0	0.0	197.4	104.5	116.4	170.0
Saskatchewan	0.0	27.1	27.1	26.9	15.2	14.3	22.8
Additional Canadian Gas Budgets**	-	61.7	61.7	30.6	-	-	-
Additional Aggregated Budgets***	14.4	377.7	377.7	-	-	-	-
Total	940.3	1,143.2	1,143.2	1,064.7	763.7	756.7	1,350.3

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

	2011	2012	2013	2014	2015	2016	2017
Alberta	-	-	-	-	-	-	-
British Columbia	217.0	230.6	230.6	240.4	174.9	154.3	188.7
Manitoba	0.0	0.0	0.0	39.3	15.6	73.3	71.8
New Brunswick*	-	-	-	-	-	19.8	22.1
Newfoundland and Labrador	1.2	0.0	0.0	5.2	7.5	9.2	10.6
Nova Scotia	22.6	0.0	0.0	43.8	39.0	31.9	34.6
Ontario	0.0	421.968	422.0	484.7	558.9	545.7	448.6
Prince Edward Island	-	-	-	-	-	-	-
Québec	0.0	0.0	0.0	198.3	129.2	155.1	126.0
Saskatchewan	0.0	26.1	26.1	27.1	18.7	19.1	18.0
Additional Canadian Gas Budgets**	-	59.5	59.5	30.7	-	-	-
Additional Aggregated Budgets***	15.0	364.2	364.2	-	-	-	-
Total	255.8	1,102.4	1,102.4	1,069.6	943.8	1,008.4	920.5

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, 2017 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	5.4	96.7	24.1	141.3	15.1	282.6
Manitoba	5.6	36.5	0.8	53.8	10.8	107.5
New Brunswick	0.0	7.9	0.0	16.5	6.9	31.4
Newfoundland and Labrador	0.0	1.8	0.6	7.9	5.5	15.8
Nova Scotia	0.0	12.0	2.5	25.9	11.5	51.8
Ontario	10.0	265.9	0.0	335.9	56.5	668.3
Prince Edward Island	-	-	-	-	-	-
Québec	5.7	43.7	17.6	94.4	8.7	170.0
Saskatchewan	0.1	4.1	2.8	13.5	2.3	22.8
Total	26.7	468.6	48.4	689.3	117.3	1,350.3

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

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	7.1	129.2	32.2	188.7	20.1	154.3
Manitoba	7.5	48.8	1.0	71.8	14.5	73.3
New Brunswick	0.0	10.6	0.0	22.1	9.2	19.8
Newfoundland and Labrador	0.0	2.3	0.9	10.6	7.4	9.2
Nova Scotia	0.0	16.0	3.3	34.6	15.4	31.9
Ontario	13.3	355.1	0.0	448.6	75.5	545.7
Prince Edward Island	-	-	-	-	-	-
Québec	7.6	58.4	23.4	126.0	11.7	155.1
Saskatchewan	0.1	5.5	3.8	18.0	3.1	19.1
Total	35.6	625.8	64.6	920.5	156.7	1,803.2

Notes:

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

* 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 demand response categories in the survey are caveated by 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 ISO New England).

Table 10. Canadian Electric and Gas Program Expenditures by Province, 2016 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	17.1	4.8	53.3	21.2	0.0	96.4
Manitoba	10.1	5.7	33.0	0.0	0.0	48.8
New Brunswick	5.1	0.0	6.7	0.0	0.5	12.3
Newfoundland and Labrador	5.1	0.0	1.3	0.0	0.0	6.4
Nova Scotia	11.1	0.0	9.9	2.3	0.0	23.3
Ontario	98.6	10.4	150.5	0.0	5.3	264.8
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	157.8	23.5	303.7	37.4	11.9	534.3

Canadian Electric and Gas Program Expenditures by Province, 2016 (Millions CAD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	22.6	6.4	70.5	28.1	0.0	127.7
Manitoba	13.4	7.5	43.7	0.0	0.0	64.6
New Brunswick	6.8	0.0	8.9	0.0	0.6	16.3
Newfoundland and Labrador	6.7	0.0	1.7	0.0	0.0	8.5
Nova Scotia	14.6	0.0	13.1	3.0	0.0	30.8
Ontario	130.6	13.7	199.3	0.0	7.0	350.6
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	208.9	31.2	402.2	49.5	15.8	707.6

Notes:

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

* 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, 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	7.2	3.0	86.9	18.2	115.3	0.0	0.0	0.0	0.0	230.6
Manitoba	8.7	1.7	32.7	0.4	43.7	0.0	0.0	0.0	0.0	87.3
New Brunswick	6.9	0.0	7.9	0.0	14.8	1.6	0.1	0.0	1.7	33.1
Newfoundland and Labrador ...	5.5	0.0	1.8	0.6	7.9	0.0	0.0	0.0	0.0	15.8
Nova Scotia	11.5	0.0	12.0	2.5	25.9	0.0	0.0	0.0	0.0	51.8
Ontario	56.5	10.0	265.9	0.0	332.4	0.0	0.0	3.6	3.6	671.9
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	7.8	5.4	29.4	17.4	59.9	0.0	0.0	18.7	18.7	157.2
Saskatchewan	2.3	0.1	4.1	2.8	9.3	4.2	0.0	0.0	4.2	27.0
Total	106.4	20.1	440.7	41.9	609.2	5.8	0.1	22.3	28.2	637.4

Canadian Electric Program Budgets 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	9.7	4.0	116.0	24.4	154.0	0.0	0.0	0.0	0.0	308.0
Manitoba	11.7	2.3	43.7	0.6	58.3	0.0	0.0	0.0	0.0	116.6
New Brunswick	9.2	0.0	10.6	0.0	19.8	2.1	0.2	0.0	2.3	44.2
Newfoundland and Labrador ...	7.4	0.0	2.3	0.9	10.6	0.0	0.0	0.0	0.0	21.1
Nova Scotia	15.4	0.0	16.0	3.3	34.6	0.0	0.0	0.0	0.0	69.2
Ontario	75.5	13.3	355.1	0.0	443.8	0.0	0.0	4.8	4.8	897.3
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	10.4	7.2	39.2	23.2	80.0	0.0	0.0	25.0	25.0	210.0
Saskatchewan	3.1	0.1	5.5	3.8	12.4	5.6	0.0	0.0	5.6	36.0
Total	142.1	26.9	588.5	56.0	813.5	7.7	0.2	29.8	37.7	851.3

Notes:

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

* 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, 2016 (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	7.8	3.1	44.7	16.5	72.1	0.0	0.0	0.0	0.0	72.1
Manitoba	8.2	1.9	28.7	0.0	38.8	0.0	0.0	0.0	0.0	38.8
New Brunswick	5.1	0.0	6.7	0.0	11.9	0.5	0.0	0.0	0.5	12.3
Newfoundland and Labrador	5.1	0.0	1.3	0.0	6.4	0.0	0.0	0.0	0.0	6.4
Nova Scotia	11.1	0.0	9.9	2.3	23.3	0.0	0.0	0.0	0.0	23.3
Ontario	98.6	10.4	150.5	0.0	259.5	5.3	0.0	0.0	5.3	264.8
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	5.9	2.5	29.9	10.8	49.1	1.5	0.0	0.0	1.5	50.6
Saskatchewan	3.5	0.0	5.7	2.8	12.1	6.0	0.0	0.0	4.7	16.8
Total	145.3	17.9	277.5	32.4	473.2	13.2	0.0	0.0	13.2	486.4

Canadian Electric Program Expenditures by Province, 2016 (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	10.4	4.1	59.1	21.9	95.5	0.0	0.0	0.0	0.0	95.5
Manitoba	10.8	2.6	38.1	0.0	51.4	0.0	0.0	0.0	0.0	51.4
New Brunswick	6.8	0.0	8.9	0.0	15.7	0.6	0.0	0.0	0.6	16.3
Newfoundland and Labrador	6.7	0.0	1.7	0.0	8.5	0.0	0.0	0.0	0.0	8.5
Nova Scotia	14.6	0.0	13.1	3.0	30.8	0.0	0.0	0.0	0.0	30.8
Ontario	130.6	13.7	199.3	0.0	343.7	7.0	0.0	0.0	7.0	350.6
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	7.8	3.2	39.6	14.3	65.0	2.0	0.0	0.0	2.0	67.0
Saskatchewan	4.7	0.0	7.6	3.7	16.0	7.9	0.0	0.0	6.2	22.2
Total	192.4	23.7	367.5	42.9	626.6	17.5	0.0	0.0	17.5	644.1

Notes:

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

* 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, 2017 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	7.9	2.4	0.0	9.8	5.9	26.0
Manitoba	2.1	3.9	0.0	3.8	0.3	10.1
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Québec	0.9	0.3	0.0	14.3	0.2	15.8
Saskatchewan	0.0	0.0	0.0	0.0	0.0	0.0
Total	10.9	6.5	0.0	28.0	6.4	51.8

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

	Residential	Low Income	Multifamily	C & I	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	10.5	3.2	13.1	0.0	7.9	34.7
Manitoba	2.8	5.2	5.1	0.0	0.4	13.5
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Québec	1.3	0.4	19.2	0.0	0.2	21.0
Saskatchewan	0.0	0.0	0.0	0.0	0.0	0.0
Total	14.5	8.7	37.4	0.0	8.6	69.2

Notes:

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

Table 14. Canadian Gas Program Expenditures by Province, 2016 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	9.3	0.0	1.7	8.6	4.7	24.3
Manitoba	1.9	0.0	3.8	4.3	0.0	10.0
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Québec	1.1	0.0	0.1	13.1	0.0	14.4
Saskatchewan	0.2	0.0	0.0	0.2	0.2	0.6
Total	12.5	0.0	5.6	26.2	4.9	49.2

Canadian Gas Program Expenditures by Province, 2016 (Millions CAD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	12.3	0.0	2.2	11.4	6.2	32.2
Manitoba	2.6	0.0	5.0	5.6	0.0	13.2
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Québec	1.5	0.0	0.2	17.3	0.1	19.0
Saskatchewan	0.2	0.0	0.0	0.3	0.2	0.8
Total	16.5	0.0	7.4	34.6	6.6	65.2

Notes:

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