

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, 2013 - 2019 (Millions USD)

	2013	2014	2015	2016	2017	2018	2019
Northeast	2,586.1	2,723.7	2,723.9	2,340.9	2,442.0	2,299.7	2,880.8
New England	924.7	1,083.5	1,140.9	1,169.4	1,191.0	1,117.1	1,230.6
Connecticut	109.6	202.8	188.1	217.3	214.1	136.1	238.3
Maine	21.0	24.1	45.7	38.1	44.9	748.1	64.2
Massachusetts	641.2	681.4	729.7	729.3	742.8	43.4	699.5
New Hampshire	22.0	24.0	24.3	25.4	23.5	31.0	44.1
Rhode Island	85.9	105.1	101.1	105.1	113.5	106.9	132.7
Vermont	45.0	46.0	52.0	54.1	52.3	51.6	51.8
Mid-Atlantic	1,661.4	1,640.2	1,583.0	1,171.6	1,250.9	1,182.5	1,650.2
New Jersey	603.7	466.9	422.0	404.0	496.0	352.0	490.8
New York	785.8	889.1	935.6	575.0	561.8	636.6	969.4
Pennsylvania	271.9	284.2	225.4	192.6	193.1	193.9	190.1
Midwest	1,583.7	1,499.6	1,543.1	1,596.2	1,677.1	1,916.1	1,708.3
Illinois	354.0	333.0	411.1	500.5	433.4	547.4	487.2
Indiana	171.2	203.3	113.8	90.6	124.1	128.4	132.7
Iowa	181.6	192.6	179.3	199.8	201.6	210.6	131.5
Kansas	14.8	1.5	-	-	-	-	-
Michigan	242.2	227.3	211.9	246.5	255.8	339.1	304.2
Minnesota	164.3	180.9	168.1	126.7	182.1	165.5	185.4
Missouri	58.2	66.3	101.2	59.1	63.5	83.9	52.1
Nebraska	15.1	5.2	5.4	-	-	-	-
North Dakota	1.1	0.9	1.3	0.1	0.1	-	0.1
Ohio	273.9	189.0	258.7	278.2	298.0	291.4	311.1
South Dakota	3.3	3.5	3.8	2.2	2.2	1.6	1.6
Wisconsin	104.1	96.0	88.4	92.4	116.4	148.3	102.3
South	1,455.3	1,699.6	1,292.7	1,307.8	1,577.7	1,463.3	1,489.7
South Central	556.8	589.1	561.6	509.3	570.0	522.6	455.7
Alabama	34.8	40.0	37.7	44.7	40.9	43.7	43.5
Arkansas	83.8	82.8	98.3	96.4	97.6	91.7	39.9
Kentucky	56.2	62.7	56.1	53.5	63.6	51.7	52.3
Louisiana	3.7	5.1	13.432031	-	-	-	-
Mississippi	10.1	7.2	19.3	16.3	17.9	16.4	14.9
Oklahoma	84.7	90.0	87.9	82.3	90.5	92.1	90.9
Tennessee	59.3	64.4	52.1	54.0	56.6	53.5	49.1
Texas	224.4	236.8	196.8	162.1	202.9	173.4	165.1

	2013	2014	2015	2016	2017	2018	2019
South Atlantic	898.5	1,110.5	731.1	798.5	1,007.7	940.8	1,033.9
Delaware	-	-	-	-	-	-	4.3
District of Columbia	14.0	17.6	18.5	13.8	14.7	-	18.3
Florida	527.3	554.0	204.3	201.5	337.8	340.9	336.0
Georgia	71.5	60.5	56.8	56.8	56.5	62.8	62.5
Maryland	119.4	292.2	261.2	314.8	376.7	309.2	375.1
North Carolina	118.7	133.2	136.5	164.0	170.5	174.9	183.4
South Carolina	34.0	36.9	38.0	45.1	47.2	49.1	51.9
Virginia	3.7	4.1	3.7	2.4	4.2	3.9	2.3
West Virginia	9.9	12.1	12.1	-	-	-	-
West	2,814.9	2,820.9	2,746.2	2,541.8	2,751.3	2,656.9	2,578.2
Pacific Northwest	578.3	589.4	593.4	445.6	611.4	576.5	458.1
Idaho.....	30.8	39.3	45.4	38.8	42.4	45.3	43.3
Montana	10.6	0.5	0.6	0.2	2.7	5.4	0.2
Oregon	151.0	160.0	151.9	169.3	180.6	177.8	181.2
Washington.....	216.4	157.3	221.4	200.2	218.0	212.5	198.9
BPA and NEEA**.....	169.4	232.4	174.1	37.2	167.7	135.5	34.6
Pacific West	1,797.2	1,750.1	1,665.7	1,670.9	1,667.1	1,701.9	1,708.4
Alaska	-	-	-	-	-	-	-
California	1,763.7	1,710.4	1,628.4	1,644.2	1637.9	1701.9	1672.5
Hawaii	33.5	39.7	37.4	26.7	29.2	-	35.9
Southwest	439.4	481.4	487.0	425.3	472.9	378.5	411.7
Arizona	170.1	157.6	132.0	109.4	129.8	97.9	94.5
Colorado.....	102.3	111.8	147.2	138.3	134.2	104.6	125.5
Nevada	57.3	66.2	68.6	43.3	43.4	40.8	51.7
New Mexico	36.8	47.3	42.9	42.1	71.0	40.7	41.0
Utah	66.6	93.2	88.6	92.0	87.7	84.2	88.1
Wyoming	6.3	5.2	7.7	0.2	6.7	10.2	10.8
Additional Gas Budgets*	-	-	-	-	-	136.2	82.3
Additional Aggregated Budgets*** ...	-	-	-	292.3	216.5	205.7	265.9
Total	8,439.9	8,743.8	8,305.9	8,079.0	8,664.6	8,677.8	9,005.1

Notes:

2018) those gas PAs for 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, 2019 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	929.6	288.4	1,474.9	146.2	41.7	2,880.8
New England	453.9	149.3	535.0	79.4	13.0	1,230.6
Connecticut	64.4	29.0	102.1	41.5	1.2	238.3
Maine	21.3	6.8	29.8	6.3	0.0	64.2
Massachusetts	273.4	82.0	310.8	24.1	9.2	699.5
New Hampshire	13.6	7.6	22.2	0.4	0.3	44.1
Rhode Island	59.8	23.8	44.5	2.4	2.3	132.7
Vermont	21.4	0.0	25.7	4.6	0.0	51.8
Mid-Atlantic	475.7	139.1	939.9	66.8	28.8	1,650.2
New Jersey	206.6	30.0	245.3	7.5	1.4	490.8
New York	199.9	69.3	630.8	57.9	11.5	969.4
Pennsylvania	69.2	39.8	63.8	1.4	15.9	190.1
Midwest	509.6	149.9	686.9	257.6	104.3	1,708.3
Illinois	80.1	61.6	193.8	136.0	15.7	487.2
Indiana	58.9	10.3	49.4	-0.5	14.6	132.7
Iowa	37.0	5.4	51.0	4.0	34.1	131.5
Kansas	0.0	0.0	0.0	0.0	0.0	-
Michigan	94.2	26.4	123.8	42.6	17.2	304.2
Minnesota	67.0	12.1	70.2	18.6	17.5	185.4
Missouri	26.4	7.7	17.8	0.2	0.0	52.1
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	110.0	25.5	125.6	45.1	5.0	311.1
South Dakota	0.8	0.0	0.5	0.0	0.2	1.6
Wisconsin	35.1	0.9	54.8	11.5	0.0	102.3
South	501.7	95.4	469.1	-22.7	446.2	1,489.6
South Central	187.4	60.9	169.7	-36.1	73.8	455.7
Alabama	9.9	0.0	2.2	4.6	26.9	43.5
Arkansas	37.4	0.0	51.9	-56.0	6.7	39.9
Kentucky	19.0	7.1	10.6	6.8	8.8	52.3
Louisiana	0.0	0.0	0.0	0.0	0.0	-
Mississippi	3.5	0.0	10.3	0.7	0.4	14.9
Oklahoma	40.0	9.8	32.6	3.0	5.5	90.9
Tennessee	29.5	0.0	13.3	0.0	6.3	49.1
Texas	48.1	43.9	49.0	4.8	19.3	165.1
South Atlantic	314.3	34.5	299.4	13.4	372.3	1,033.9
Delaware	-	-	-	-	4.3	4.3
District of Columbia	3.1	5.0	8.4	-	1.8	18.3
Florida	51.3	7.9	29.4	10.3	237.2	336.0
Georgia	24.4	0.0	34.5	2.8	0.8	62.5
Maryland	141.8	10.5	144.1	0.1	78.5	375.1
North Carolina	72.8	7.7	63.7	0.2	39.1	183.4
South Carolina	19.5	2.6	19.2	-	10.6	51.9
Virginia	1.4	0.9	-	-	-	2.2
West Virginia	-	-	-	-	-	-
West	519.8	535.5	737.3	448.4	337.2	2,578.2

Pacific Northwest	138.4	11.4	205.4	94.0	8.9	458.1
Idaho	12.3	2.0	14.0	6.5	8.4	43.3
Montana	0.1	-	0.1	-	-	0.2
Oregon	59.8	1.1	119.6	0.3	0.4	181.2
Washington	66.1	8.3	71.8	52.6	-	198.9
BPA and NEEA****	-	-	-	34.6	-	34.6

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	259.2	503.1	399.3	276.3	270.5	1,708.4
Alaska	-	-	-	-	-	0.0
California	247.8	503.1	384.1	267.0	270.5	1672.5
Hawaii	11.3	0.0	15.3	9.3	-	35.9
Southwest	122.3	20.9	132.5	78.1	57.9	411.7
Arizona	44.7	5.5	29.4	5.4	9.5	94.5
Colorado	30.5	8.8	60.7	8.5	17.1	125.5
Nevada	11.2	2.0	16.3	5.4	16.8	51.7
New Mexico	14.8	3.8	14.0	1.1	7.3	41.0
Utah	19.1	0.9	3.6	57.2	7.3	88.1
Wyoming	1.9	-	8.4	0.4	-	10.8
Additional Aggregated Budgets**:-	-	-		230.2	35.8	265.9
Total	2,460.7	1,069.1	3,368.2	1,059.5	965.2	8,922.7

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.

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.

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, 2018 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Northeast	822.6	281.0	1,096.2	83.4	97.2	2,380.5
New England	528.0	170.5	455.2	71.7	10.6	1,235.9
Connecticut	41.2	21.2	63.7	43.2	2.0	171.3
Maine	4.1	2.1	18.6	14.5	0.0	39.3
Massachusetts	401.6	121.2	286.8	13.2	8.6	831.4
New Hampshire	10.2	6.3	15.7	0.1	0.0	32.3
Rhode Island	49.8	19.6	45.2	0.7	0.0	115.4
Vermont	21.0	0.1	25.1	0.0	0.0	46.2
Mid-Atlantic	294.6	110.5	641.1	11.7	86.6	1,144.6
New Jersey	98.7	22.9	115.3	7.8	1.4	246.1
New York	142.5	54.4	475.7	3.0	69.6	745.2
Pennsylvania	53.4	33.2	50.1	0.9	15.7	153.3
Midwest	572.3	159.6	788.5	165.4	132.1	1,714.0
Illinois	129.3	81.5	250.2	71.9	14.2	522.6
Indiana	49.5	6.3	49.3	4.3	8.2	117.8
Iowa	50.9	3.6	70.6	5.9	39.8	200.6
Kansas	-	-	-	-	-	-
Michigan	125.0	33.0	149.4	17.5	30.4	323.2
Minnesota	64.1	9.2	89.8	24.0	15.2	167.9
Missouri	25.7	2.4	40.8	1.4	0.0	55.3
Nebraska	-	-	-	-	-	-
North Dakota	0.1	0.0	0.0	0.0	0.0	0.1
Ohio	79.9	22.8	76.8	27.5	24.0	224.2
South Dakota	0.9	0.0	0.5	0.0	0.2	1.9
Wisconsin	46.9	0.7	61.2	12.9	0.0	100.4
South	468.2	81.4	396.6	55.5	545.9	1,547.7
South Central	157.9	49.0	130.9	43.5	182.2	563.4
Alabama	5.7	0.0	3.3	0.0	52.7	61.7
Arkansas	23.5	0.0	22.7	37.6	6.0	89.8
Kentucky	24.7	0.9	10.1	0.0	15.9	51.6
Louisiana	-	-	-	-	-	-
Mississippi	4.1	0.0	3.9	0.0	21.1	29.0
Oklahoma	40.1	9.9	30.5	2.0	27.8	110.3
Tennessee	15.3	0.0	8.9	0.0	30.9	55.1
Texas	44.5	38.2	51.5	3.9	27.9	165.9
South Atlantic	310.3	32.4	265.8	12.0	363.8	984.2
Delaware	0.0	0.0	0.0	0.0	4.1	4.1
District of Columbia	2.4	7.4	11.2	-1.4	1.7	21.2
Florida	65.9	8.2	27.5	13.3	232.5	347.4
Georgia	19.5	0.0	25.6	0.0	3.0	48.2
Maryland	106.5	8.0	126.0	0.0	73.6	314.1
North Carolina	88.9	6.5	57.7	0.2	38.3	191.6
South Carolina	25.6	2.1	17.4	0.0	10.5	55.5
Virginia	1.4	0.1	0.5	0.0	0.0	2.0
West Virginia	-	-	-	-	-	-
West	440.7	301.3	592.2	698.2	149.1	2,181.5
Pacific Northwest	104.6	12.5	148.4	245.2	8.5	519.2
Idaho	13.4	1.6	21.5	3.1	8.2	47.8
Montana	1.4	1.4	0.0	0.0	0.0	2.9
Oregon	32.3	0.6	51.0	75.2	0.3	159.4
Washington	57.6	8.9	75.9	46.6	0.0	188.9
BPA and NEEA****	0.0	0.0	0.0	120.2	0.0	120.2

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Pacific West	214.4	272.3	296.5	430.9	95.3	1,309.4
Alaska	-	-	-	-	-	-
California	212.8	272.3	294.5	406.7	95.3	1,281.7
Hawaii	1.6	0.0	2.0	24.1	0.0	27.7
Southwest	121.7	16.6	147.3	22.2	45.3	352.9
Arizona	37.8	4.4	28.5	7.1	5.9	83.7
Colorado	33.0	9.2	51.4	6.9	12.4	113.0
Nevada	1.5	0.0	12.9	5.5	15.1	34.9
New Mexico	16.6	2.3	14.2	0.4	7.0	40.6
Utah	31.2	0.6	31.8	1.8	4.8	70.2
Wyoming	1.5	0.0	8.5	0.4	0.0	10.4
Additional Aggregated Expenditures***	-	-	-	225.5	14.5	260.7
Total	2,303.8	823.3	2,873.6	1,228.0	938.8	8,084.3

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 collection process instituted in 2016 and, in 2018, the gas PAs for whom data was carried through from the

Table 4. US Electric Program Budgets by State, 2019 (Millions USD)

	Residential	Low Income	Other or Not C&I Broken Out*	Total Efficiency	Total Incentive- Based**	Total Time- Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total	
Northeast	634.3	221.6	1,345.0	137.4	2,338.3	31.0	0.0	10.8	41.7	2,380.1
New England	379.2	118.1	484.7	73.5	1,055.6	5.6	0.0	7.4	13.0	1,068.6
Connecticut	43.6	20.2	84.1	36.2	184.2	1.2	0.0	0.0	1.2	185.4
Maine	20.4	6.8	26.9	6.3	60.5	0.0	0.0	0.0	0.0	60.5
Massachusetts	240.3	69.2	293.6	24.1	627.2	4.1	0.0	5.1	9.2	636.4
New Hampshire	10.5	6.0	17.7	0.4	34.6	0.3	0.0	0.0	0.3	34.9
Rhode Island	45.2	15.8	37.4	1.9	100.3	0.0	0.0	2.3	2.3	102.6
Vermont	19.1	0.0	25.0	4.6	48.7	0.0	0.0	0.0	0.0	48.7
Mid-Atlantic	255.1	103.5	860.3	63.9	1,282.8	25.4	0.0	3.4	28.8	1,311.5
New Jersey	33.3	11.4	188.0	4.6	237.3	1.4	0.0	0.0	1.4	238.7
New York	156.4	69.3	609.0	57.9	892.6	9.0	0.0	2.5	11.5	904.1
Pennsylvania	65.5	22.7	63.2	1.4	152.8	15.0	0.0	0.9	15.9	168.7
Midwest	406.9	98.3	625.5	235.7	1,366.3	73.2	7.1	24.0	104.3	1,470.6
Illinois	78.8	56.3	186.5	133.7	455.3	7.3	7.1	1.2	15.7	471.0
Indiana	50.1	8.9	45.7	-1.7	103.0	15.2	0.0	-0.6	14.6	117.6
Iowa	34.5	3.4	50.0	3.5	91.4	19.2	0.0	14.9	34.1	125.5
Kansas	-	-	-	-	-	-	-	-	-	-
Michigan	69.4	14.8	108.2	36.7	229.1	14.7	0.0	2.5	17.2	246.2
Minnesota	33.7	4.6	51.9	11.8	102.0	11.6	0.0	5.9	17.5	119.5
Missouri	26.4	7.7	17.8	0.2	52.1	0.0	0.0	0.0	0.0	52.1
Nebraska	-	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	5.0	0.0	0.0	-	-
Ohio	87.7	2.6	123.2	44.1	257.6	0.2	0.0	0.0	0.2	257.8
South Dakota	0.1	0.0	0.4	0.0	0.6	0.0	0.0	0.0	0.0	0.6
Wisconsin	26.2	0.0	41.7	7.4	75.3	0.0	0.0	0.0	0.0	75.3
South	435.5	85.5	455.7	-25.0	951.7	378.7	23.3	44.2	446.2	1,397.9
South Central	158.4	58.5	159.7	-36.3	340.3	34.5	2.1	37.3	73.8	414.1
Alabama	9.9	0.0	2.2	4.6	16.7	0.0	0.0	26.9	26.9	43.5
Arkansas	28.2	0.0	45.9	-56.2	17.9	6.7	0.0	0.0	6.7	24.6
Kentucky	18.5	6.5	10.5	6.8	42.2	1.6	0.0	7.3	8.8	51.1
Louisiana	-	-	-	-	-	-	-	-	-	-
Mississippi	2.6	0.0	9.7	0.7	13.0	0.0	0.0	0.4	0.4	13.3
Oklahoma	25.7	9.1	29.4	3.0	67.2	5.5	0.0	0.0	5.5	72.7
Tennessee	\$29.52	\$0.00	\$13.26	\$0.00	42.8	\$0.00	\$0.00	\$6.28	6.3	49.1
Texas	44.0	43.0	48.7	4.8	140.5	20.7	2.1	-3.5	19.3	159.8
South Atlantic	277.2	26.9	296.1	11.3	611.4	344.2	21.2	6.9	372.3	983.8
Delaware	-	-	-	-	-	1.7	2.7	-0.1	4.3	4.3
District of Columbia	3.1	5.0	8.4	0.0	16.5	1.8	0.0	0.0	1.8	18.3
Florida	38.0	7.9	27.6	8.3	81.8	227.7	2.5	7.0	237.2	319.0
Georgia	24.4	0.0	34.5	2.8	61.7	0.8	0.0	0.0	0.8	62.5
Maryland	120.4	4.1	142.6	0.1	267.2	62.5	16.0	0.0	78.5	345.8
North Carolina	71.9	7.5	63.7	0.0	143.0	39.1	0.0	0.0	39.1	182.1
South Carolina	19.3	2.4	19.2	0.0	41.0	10.6	0.0	0.0	10.6	51.6
Virginia	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
West Virginia	-	-	-	-	-	-	-	-	-	-
West	407.6	295.5	670.5	411.6	1,785.2	238.4	1.8	96.6	336.7	2,121.9
Pacific Northwest	106.5	8.9	185.8	90.9	392.2	8.4	0.0	0.0	8.4	400.6
Idaho	10.9	1.7	13.8	6.3	32.8	-	-	-	-	32.8
Montana	-	-	-	-	-	0.3	0.0	0.2	0.4	0.4
Oregon	42.7	0.0	107.4	0.3	150.4	0.0	0.0	0.0	0.0	150.4
Washington	52.9	7.2	64.6	49.7	174.4	0.0	0.0	0.0	0.0	174.4
BPA and NEEA***	0.0	0.0	0.0	34.6	34.6	0.0	0.0	0.0	0.0	34.6

	Residential	Low Income	Other or Not C&I Broken Out*	Total Efficiency	Total Incentive- Based**	Total Time- Based**	Other DR or DR Not Broken Out*	Total Demand Response	Grand Total
Pacific West	211.7	273.6	362.0	247.6	1,094.9	197.6	0.0	72.8	1,365.4
Alaska	-	-	-	-	-	-	-	0.0	0.0
California	200.4	273.6	346.7	238.3	1,059.0	197.6	0.0	72.8	1,329.5
Hawaii	11.3	0.0	15.3	9.3	35.9	-	-	0.0	35.9
Southwest	89.4	12.9	122.7	73.1	298.0	32.3	1.8	23.7	355.9
Arizona	41.7	4.8	27.9	5.4	79.7	7.0	0.0	2.5	89.2
Colorado	23.6	4.2	57.8	6.9	92.4	1.3	1.8	14.0	109.5
Nevada	10.6	2.0	16.3	4.1	33.0	16.8	0.0	0.0	49.8
New Mexico	12.4	1.9	12.5	0.9	27.7	7.2	0.0	0.0	35.0
Utah	0.0	0.0	0.0	55.3	55.3	0.0	0.0	7.3	62.6
Wyoming	1.1	0.0	8.3	0.4	9.8	0.0	0.0	0.0	9.8
Additional Aggregated Budgets****.....-	-	-	-	230.2	230.2	-	-	35.8	265.9
Total	1,884.3	700.8	3,096.7	989.8	6,671.7	721.2	32.2	211.3	7,636.4

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.

**** 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, 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	527.3	184.0	979.5	72.7	1,763.6	30.9	0.0	66.3	97.2	1,860.8
New England	339.3	106.5	381.1	65.5	892.4	7.2	0.0	3.3	10.6	903.0
Connecticut	23.6	11.6	50.9	37.7	123.8	2.0	0.0	0.0	2.0	125.8
Maine	3.7	2.1	17.3	14.5	37.6	0.0	0.0	0.0	0.0	37.6
Massachusetts	248.1	74.9	236.9	13.1	573.0	5.2	0.0	3.3	8.6	581.6
New Hampshire	7.0	4.9	14.3	0.1	26.4	0.0	0.0	0.0	0.0	26.4
Rhode Island	37.8	13.0	37.2	0.1	88.1	0.0	0.0	0.0	0.0	88.1
Vermont	19.1	0.0	24.5	0.0	43.6	0.0	0.0	0.0	0.0	43.6
Mid-Atlantic	188.0	77.5	598.4	7.2	871.1	23.7	0.0	62.9	86.6	957.8
New Jersey	31.4	8.7	87.8	3.5	131.4	1.4	0.0	0.0	1.4	132.8
New York	105.2	50.2	460.9	3.0	619.3	7.0	0.0	62.7	69.6	688.9
Pennsylvania	51.4	18.6	49.7	0.7	120.4	15.4	0.0	0.3	15.7	136.1
Midwest	409.1	84.1	694.5	139.7	1,327.4	60.5	6.8	64.9	132.1	1,459.5
Illinois	109.2	61.1	226.1	62.5	458.8	6.3	6.8	1.1	14.2	473.0
Indiana	40.8	4.7	45.8	2.9	94.1	8.2	0.0	0.0	8.2	102.4
Iowa	32.5	1.2	65.5	5.0	104.1	24.9	0.0	14.9	39.8	144.0
Kansas	-	-	-	-	0.0	-	-	-	0.0	0.0
Michigan	77.5	13.9	123.0	14.0	228.5	8.8	0.0	21.7	30.4	258.9
Minnesota	31.6	2.4	72.3	18.3	124.6	9.3	0.0	5.9	15.2	139.8
Missouri	22.4	0.0	39.9	0.0	62.3	0.0	0.0	0.0	0.0	62.3
Nebraska	-	-	-	-	0.0	-	-	-	0.0	0.0
North Dakota	-	-	-	-	0.0	-	-	-	0.0	0.0
Ohio	59.0	0.9	74.5	26.6	161.0	2.8	0.0	21.2	24.0	185.0
South Dakota	0.2	0.0	0.4	0.0	0.6	0.2	0.0	0.0	0.2	0.8
Wisconsin	35.9	0.0	47.1	10.4	93.4	0.0	0.0	0.0	0.0	93.4
South	407.9	73.1	381.9	53.1	916.0	366.7	25.5	153.8	546.0	1,461.9
South Central	130.5	47.0	122.1	43.3	342.8	35.3	1.8	145.1	182.2	525.0
Alabama	5.7	0.0	3.3	0.0	9.1	0.6	0.0	52.1	52.7	61.7
Arkansas	14.4	0.0	17.2	37.4	68.9	5.8	0.0	0.2	6.0	75.0
Kentucky	23.7	0.6	10.1	0.0	34.4	1.2	0.0	14.6	15.9	50.3
Louisiana	-	-	-	-	0.0	-	-	-	0.0	0.0
Mississippi	3.1	0.0	3.4	0.0	6.5	0.0	0.0	21.1	21.1	27.5
Oklahoma	27.1	9.1	27.9	2.0	66.1	2.8	0.0	25.0	27.8	93.9
Tennessee	15.3	0.0	8.9	0.0	24.2	0.0	0.0	30.9	30.9	55.1
Texas	41.1	37.3	51.3	3.9	133.5	24.9	1.8	1.3	27.9	161.5
South Atlantic	277.4	26.1	259.9	9.8	573.2	331.4	23.8	8.7	363.8	937.0
Delaware	-	-	-	-	0.0	1.5	2.6	0.0	4.1	4.1
District of Columbia	2.0	6.4	8.9	-1.4	15.8	1.7	0.0	0.0	1.7	17.5
Florida	48.3	8.2	24.7	11.3	92.5	222.7	2.8	7.0	232.5	325.0
Georgia	19.5	0.0	25.6	0.0	45.2	1.4	0.0	1.6	3.0	48.2
Maryland	94.2	3.1	125.5	0.0	222.9	55.3	18.4	0.0	73.6	296.5
North Carolina	88.0	6.3	57.7	0.0	152.0	38.3	0.0	0.0	38.3	190.3
South Carolina	25.4	2.0	17.4	0.0	44.8	10.5	0.0	0.0	10.5	55.2
Virginia	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
West Virginia	-	-	-	-	0.0	-	-	-	0.0	0.0
West	299.4	138.2	522.6	655.4	1,615.6	94.1	1.9	53.1	149.1	1,764.7
Pacific Northwest	71.8	7.9	130.7	242.7	453.1	8.5	0.0	0.0	8.5	461.6
Idaho	11.4	1.3	21.3	2.9	36.9	8.2	0.0	0.0	8.2	45.0
Montana	-	-	-	-	0.0	-	-	-	0.0	0.0
Oregon	18.4	0.0	41.1	75.2	134.7	0.3	0.0	0.0	0.3	135.0
Washington	42.1	6.6	68.3	44.3	161.4	0.0	0.0	0.0	0.0	161.4
BPA and NEEA***	0.0	0.0	0.0	120.2	120.2	0.0	0.0	0.0	0.0	120.2

	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	143.1	121.9	252.6	394.3	912.0	38.9	1.1	55.4	95.3	1,007.3
Alaska	-	-	-	-	0.0	-	-	-	0.0	0.0
California	141.6	121.9	250.6	370.2	884.3	38.9	1.1	55.4	95.3	979.6
Hawaii	1.6	0.0	2.0	24.1	27.7	-	-	-	0.0	27.7
Southwest	84.4	8.3	139.4	18.4	250.4	46.8	0.8	-2.3	45.3	295.7
Arizona	33.5	3.7	28.0	7.1	72.4	5.2	0.0	0.8	5.9	78.3
Colorado	22.3	4.0	47.7	5.6	79.5	11.7	0.8	0.0	12.4	92.0
Nevada	1.4	0.0	12.9	5.0	19.2	15.1	0.0	0.0	15.1	34.3
New Mexico	14.0	0.6	12.6	0.3	27.5	7.0	0.0	0.0	7.0	34.6
Utah	12.2	0.0	29.8	0.0	42.0	7.8	0.0	-3.0	4.8	46.8
Wyoming	1.0	0.0	8.3	0.4	9.8	0.0	0.0	0.0	0.0	9.8
Additional Aggregated Expenditures***	-	-	-	225.47	225.47	-	-	35.24	35.2	260.7
Total	1,643.6	479.4	2,578.6	1,146.4	5,848.0	552.2	34.2	373.3	959.6	6,807.6

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.

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, 2019 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Northeast	266.0	74.1	33.1	129.9	10.5	513.6
New England	69.9	31.1	4.8	50.3	5.9	162.0
Connecticut	18.6	8.8	2.2	18.0	5.3	52.9
Maine	0.9	0.0	0.0	2.8	0.0	3.7
Massachusetts	33.1	12.8	0.0	17.2	0.0	63.1
New Hampshire	3.2	1.6	0.0	4.4	0.0	9.2
Rhode Island	11.9	7.9	2.6	7.1	0.5	30.1
Vermont	2.3	0.0	0.0	0.7	0.0	3.0
Mid-Atlantic	196.1	43.0	28.3	79.6	4.6	351.6
New Jersey	165.9	18.8	8.7	57.3	2.9	253.5
New York	26.5	5.7	19.6	21.8	1.7	75.3
Pennsylvania	3.7	18.5	0.0	0.6	0.0	22.8
Midwest	109.0	54.8	4.4	61.5	26.1	255.8
Illinois	1.3	5.4	0.0	7.3	2.2	16.2
Indiana	8.2	1.4	0.6	3.7	1.2	15.1
Iowa	13.0	5.1	0.0	1.0	4.7	23.9
Kansas	0.0	0.0	0.0	0.0	0.0	0.0
Michigan	22.2	11.7	2.6	15.6	5.9	58.0
Minnesota	32.5	7.4	0.8	18.3	6.8	65.9
Missouri	0.1	0.1	0.0	0.1	0.0	0.2
Nebraska	0.0	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	22.3	22.9	0.0	2.4	1.0	48.6
South Dakota	0.7	0.0	0.0	0.1	0.0	0.8
Wisconsin	8.4	0.9	0.4	13.1	4.1	27.0
South	70.3	10.0	0.1	14.5	3.7	98.5
South Central	29.1	2.3	0.1	10.1	0.2	41.8
Alabama	0.0	0.0	0.0	0.0	0.0	0.0
Arkansas	9.2	0.0	0.0	5.9	0.2	15.3
Kentucky	0.7	0.7	0.0	0.1	0.0	1.4
Louisiana	-	-	-	-	-	-
Mississippi	0.9	0.0	0.1	0.6	0.0	1.6
Oklahoma	14.2	0.7	0.0	3.2	0.0	18.2
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0
Texas	4.1	0.9	0.0	0.2	0.0	5.3
South Atlantic	41.1	7.7	0.0	4.4	3.5	56.7
Delaware	-	-	-	-	-	-
District of Columbi	-	-	-	-	-	-
Florida	16.5	0.0	0.0	2.8	3.1	22.5
Georgia	-	-	-	-	-	-
Maryland	21.4	6.4	0.0	1.5	0.0	29.3
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	2.0	1.0	0.0	0.1	0.2	3.3
West Virginia	-	-	-	-	-	-

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
West	96.6	240.0	15.6	66.8	36.7	455.8
Pacific Northwest ...	29.3	2.4	2.5	19.6	3.1	57.0
Idaho	1.4	0.3	0.0	0.2	0.2	2.1
Montana	0.1	0.0	0.0	0.1	0.0	0.2
Oregon	15.6	1.1	1.4	12.2	0.0	30.3
Washington	12.2	1.1	1.1	7.2	2.9	24.5
Pacific West	36.6	229.5	10.8	37.4	28.7	343.0
Alaska	-	-	-	-	-	-
California	36.6	229.5	10.8	37.4	28.7	343.0
Hawaii	-	-	-	-	-	-
Southwest	30.6	8.1	2.3	9.8	5.0	55.8
Arizona	3.0	0.7	0.0	1.6	0.0	5.3
Colorado	6.9	4.6	0.0	2.9	1.6	16.1
Nevada	0.6	0.0	0.0	0.0	1.3	1.9
New Mexico	2.1	1.8	0.4	1.6	0.1	6.0
Utah	17.2	0.9	1.9	3.6	1.9	25.5
Wyoming	0.8	0.0	0.0	0.1	0.0	1.0
Total	541.8	379.0	53.2	272.7	77.0	1,323.7

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, 2018 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Northeast	262.1	102.4	35.8	116.9	11.6	528.8
New England	173.8	64.0	14.9	74.0	6.2	332.9
Connecticut	14.9	9.6	2.7	12.8	5.5	45.5
Maine	0.4	0.0	0.0	1.3	0.0	1.7
Massachusetts	142.3	46.3	11.2	49.9	0.1	249.9
New Hampshire	3.2	1.3	0.0	1.4	0.0	6.0
Rhode Island	11.0	6.6	1.0	8.0	0.6	27.2
Vermont	2.0	0.1	0.0	0.6	0.0	2.7
Mid-Atlantic	88.4	38.4	20.9	42.9	5.5	196.0
New Jersey	63.0	14.2	4.9	27.5	4.3	113.9
New York	23.4	8.4	15.9	14.9	1.0	63.6
Pennsylvania	2.0	15.8	0.0	0.5	0.2	18.4
Midwest	161.3	79.6	10.4	94.0	29.6	375.0
Illinois	16.0	20.4	4.0	24.1	9.4	74.0
Indiana	9.1	1.9	0.9	3.5	1.9	17.2
Iowa	23.6	6.3	2.0	5.1	4.3	41.3
Kansas	0.0	0.0	0.0	0.0	0.0	0.0
Michigan	45.0	19.1	2.4	26.4	3.5	96.4
Minnesota	31.9	6.9	0.6	17.5	5.7	62.6
Missouri	3.4	2.4	0.0	0.9	1.4	8.1
Nebraska	0.0	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	20.9	22.0	0.0	2.3	0.9	46.0
South Dakota	0.8	0.0	0.0	0.1	0.0	0.8
Wisconsin	10.5	0.7	0.5	14.1	2.6	28.4
South	63.9	8.4	0.0	15.7	3.7	91.7
South Central	27.6	2.0	0.0	8.8	0.2	38.6
Alabama	0.0	0.0	0.0	0.0	0.0	0.0
Arkansas	9.1	0.0	0.0	5.5	0.2	14.8
Kentucky	1.1	0.4	0.0	0.0	0.0	1.5
Louisiana	-	-	-	-	-	-
Mississippi	0.9	0.0	0.0	0.5	0.0	1.5
Oklahoma	13.0	0.7	0.0	2.6	0.0	16.4
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0
Texas	3.3	0.9	0.0	0.2	0.0	4.5
South Atlantic	36.3	6.4	0.0	6.9	3.5	53.1
Delaware	-	-	-	-	-	-
District of Columbia	0.4	1.0	0.0	2.3	0.0	3.7
Florida	20.6	0.0	0.0	3.7	3.2	27.5
Georgia	0.0	0.0	0.0	0.0	0.0	0.0
Maryland	12.3	4.8	0.0	0.4	0.0	17.6
North Carolina	0.9	0.2	0.0	0.0	0.2	1.3
South Carolina	0.3	0.1	0.0	0.0	0.0	0.3
Virginia	1.9	0.2	0.0	0.5	0.2	2.7
West Virginia	-	-	-	-	-	-

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
West	126.4	163.1	14.9	69.6	42.8	416.8
Pacific Northwest ..	31.3	4.5	1.5	17.7	2.5	57.6
Idaho	2.0	0.3	0.0	0.2	0.2	2.7
Montana	1.4	1.4	0.0	0.0	0.0	2.9
Oregon	13.0	0.6	0.9	10.0	0.0	24.4
Washington	14.8	2.3	0.6	7.6	2.3	27.6
Pacific West	61.2	150.3	10.0	44.0	36.5	302.0
Alaska	-	-	-	-	-	-
California	61.2	150.3	10.0	44.0	36.5	302.0
Hawaii	-	-	-	-	-	-
Southwest	33.9	8.2	3.4	7.9	3.8	57.2
Arizona	4.3	0.6	0.0	0.4	0.0	5.4
Colorado	10.8	5.2	0.0	3.7	1.4	21.0
Nevada	0.1	0.0	0.0	0.0	0.5	0.7
New Mexico	2.2	1.7	0.5	1.6	0.1	6.1
Utah	16.1	0.6	2.9	2.0	1.8	23.4
Wyoming	0.4	0.0	0.0	0.2	0.0	0.6
Total	613.7	353.5	61.2	296.2	87.8	1412.4

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 - 2019 (Millions USD)

	2013	2014	2015	2016	2017	2018	2019
Alberta	-	-	-	-	-	-	-
British Columbia	239.1	239.3	141.6	115.8	282.6	99.3	78.9
Manitoba	0.0	39.1	12.6	55.0	107.5	58.4	56.7
New Brunswick*	-	-	-	14.8	31.4	-	21.2
Newfoundland and Labrador	0.0	5.2	6.1	6.9	15.8	7.7	7.3
Nova Scotia	0.0	43.6	31.6	23.9	51.8	26.2	26.3
Ontario	437.6	482.5	452.2	409.5	668.3	573.9	230.0
Prince Edward Island	-	-	-	-	-	-	-
Québec	0.0	197.4	104.5	116.4	170.0	77.2	82.1
Saskatchewan	27.1	26.9	15.2	14.3	22.8	15.0	7.4
Additional Canadian Gas Budgets**..	61.7	30.6	-	-	-	-	-
Additional Aggregated Budgets***.....	377.7	-	-	-	-	-	-
Total	1,143.2	1,143.2	1,064.7	763.7	1,350.3	857.6	509.9

Canadian Electric and Gas Program Budgets by Province, Including Demand Response, 2013 - 2019 (Millions CAD)

	2013	2014	2015	2016	2017	2018	2019
Alberta	-	-	-	-	-	-	-
British Columbia	230.6	240.4	174.9	154.3	188.7	128.6	105.3
Manitoba	0.0	39.3	15.6	73.3	71.8	75.6	75.7
New Brunswick*	-	-	-	19.8	22.1	-	28.3
Newfoundland and Labrador	0.0	5.2	7.5	9.2	10.6	10.0	9.7
Nova Scotia	0.0	43.8	39.0	31.9	34.6	-	35.1
Ontario	422.0	484.7	558.9	545.7	448.6	743.5	307.0
Prince Edward Island	-	-	-	-	-	-	-
Québec	0.0	198.3	129.2	155.1	126.0	100.0	109.7
Saskatchewan	26.1	27.1	18.7	19.1	18.0	19.4	9.9
Additional Canadian Gas Budgets**..	59.5	30.7	-	-	-	-	-
Additional Aggregated Budgets***.....	364.2	-	-	-	-	-	-
Total	1,102.4	1,102.4	1,069.6	943.8	1,008.4	920.5	1,077.1

Notes:

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, 2019 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	10.9	5.1	31.8	30.7	0.4	78.9
Manitoba	13.4	4.7	38.2	0.4	0.0	56.7
New Brunswick	7.6	3.1	7.0	1.5	2.0	21.2
Newfoundland and Labrador	4.5	0.0	1.9	0.9	0.0	7.3
Nova Scotia	10.5	0.2	12.5	3.0	0.0	26.3
Ontario	0.0	19.0	41.4	169.6	0.0	230.0
Prince Edward Island	-	-	-	-	-	-
Québec	6.9	5.5	54.0	12.6	3.1	82.1
Saskatchewan	0.1	0.1	3.9	0.1	3.3	7.4
Total	53.9	37.7	190.8	218.7	8.8	509.9

Canadian Electric and Gas Program Budgets by Province, 2019 (Millions CAD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	14.5	6.8	42.5	41.0	0.5	105.3
Manitoba	17.9	6.3	51.0	0.5	0.0	75.7
New Brunswick	10.2	4.1	9.4	2.0	2.7	28.3
Newfoundland and Labrador	6.0	0.0	2.5	1.2	0.0	9.7
Nova Scotia	14.1	0.3	16.7	3.9	0.0	35.1
Ontario	0.0	25.4	55.3	226.4	0.0	307.0
Prince Edward Island	-	-	-	-	-	-
Québec	9.2	7.4	72.0	16.9	4.1	109.7
Saskatchewan	0.1	0.1	5.2	0.1	4.5	9.9
Total	72.0	50.4	254.7	292.0	11.8	680.8

Notes:

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

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

on demand response programs that were administered by program administrators, as opposed to those administered by an ISO (such as ISO

Table 10. Canadian Electric and Gas Program Expenditures by Province, 2018 (Millions USD)

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	10.9	5.1	31.8	30.7	0.4	78.9
Manitoba	13.4	4.7	38.2	0.4	0.0	56.7
New Brunswick	7.6	3.1	7.0	1.5	2.0	21.2
Newfoundland and Labrador	4.5	0.0	1.9	0.9	0.0	7.3
Nova Scotia	10.5	0.2	12.5	3.0	0.0	26.3
Ontario	10.6	28.5	61.5	173.9	0.0	274.6
Prince Edward Island	-	-	-	-	-	-
Québec	6.9	5.5	54.0	12.6	3.1	82.1
Saskatchewan	0.1	0.1	3.9	0.1	3.3	7.4
Total	64.5	47.3	210.9	223.1	8.8	554.5

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

	Residential*	Low Income	Commercial & Industrial	Other or Not Broken Out**	Demand Response***	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	14.5	6.8	42.5	41.0	0.5	105.3
Manitoba	17.9	6.3	51.0	0.5	0.0	75.7
New Brunswick	10.2	4.1	9.4	2.0	2.7	28.3
Newfoundland and Labrador	6.0	0.0	2.5	1.2	0.0	9.7
Nova Scotia	14.1	0.3	16.7	3.9	0.0	35.1
Ontario	13.5	37.5	80.9	231.9	0.0	363.8
Prince Edward Island	-	-	-	-	-	-
Québec	9.2	7.4	72.0	16.9	4.1	109.7
Saskatchewan	0.1	0.1	5.2	0.1	4.5	9.9
Total	85.5	62.5	280.3	297.5	11.8	737.5

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.

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, 2019 (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	10.9	5.1	31.8	30.7	78.5	0.4	0.0	0.0	0.4	78.9
Manitoba	11.8	0.8	35.3	0.2	48.1	0.0	0.0	0.0	0.0	48.1
New Brunswick	7.6	3.1	7.0	1.5	19.2	0.0	0.0	2.0	2.0	21.2
Newfoundland and Labrador	4.5	0.0	1.9	0.9	7.3	0.0	0.0	0.0	0.0	7.3
Nova Scotia	10.5	0.2	12.5	3.0	26.3	0.0	0.0	0.0	0.0	26.3
Ontario	0.0	19.0	41.4	169.6	230.0	0.0	0.0	0.0	0.0	230.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	5.9	5.3	36.3	11.9	59.4	0.8	0.0	2.2	3.1	62.5
Saskatchewan	0.0	0.0	3.7	0.0	3.7	3.3	0.0	0.0	3.3	7.0
Total	51.3	33.6	169.9	217.7	472.5	4.6	0.0	4.2	8.8	481.3

Canadian Electric Program Budgets by Province, 2019 (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	14.5	6.8	42.5	41.0	104.8	0.5	0.0	0.0	0.5	105.3
Manitoba	15.8	1.1	47.1	0.3	64.2	0.0	0.0	0.0	0.0	64.2
New Brunswick	10.2	4.1	9.4	2.0	25.7	0.0	0.0	2.7	2.7	28.3
Newfoundland and Labrador	6.0	0.0	2.5	1.2	9.7	0.0	0.0	0.0	0.0	9.7
Nova Scotia	14.1	0.3	16.7	3.9	35.1	0.0	0.0	0.0	0.0	35.1
Ontario	0.0	25.4	55.3	226.4	307.0	0.0	0.0	0.0	0.0	307.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	7.9	7.1	48.4	15.9	79.3	1.1	0.0	3.0	4.1	83.5
Saskatchewan	0.0	0.0	4.9	0.0	4.9	4.5	0.0	0.0	4.5	9.4
Total	68.5	44.8	226.8	290.6	630.8	6.1	0.0	5.7	11.8	642.5

Notes:
 In states marked with " - ", one or less program administrators responded to the survey in 2018.
 (1) Programs that span more than one customer class or DR program type and (2) total demand response programs are not broken out 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. CES 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, 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	6.7	3.1	53.9	22.1	85.8	0.0	0.0	0.0	0.0	85.8
Manitoba	9.7	1.4	39.4	0.0	50.6	0.0	0.0	0.0	0.0	50.6
New Brunswick	6.7	3.1	5.6	1.2	16.6	0.0	0.0	1.2	1.2	17.9
Newfoundland and Labrador	4.0	0.0	1.7	0.0	5.6	0.0	0.0	0.0	0.0	5.6
Nova Scotia	10.0	0.0	13.6	2.5	26.1	0.0	0.0	0.0	0.0	26.1
Ontario	55.4	3.5	204.4	83.2	346.5	0.0	0.0	0.0	0.0	346.5
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	3.7	0.0	5.1	-2.2	6.6	0.0	0.0	0.0	0.0	6.6
Total	101.2	11.9	353.3	116.2	582.6	1.2	0.0	1.7	2.8	585.5

Canadian Electric Program Expenditures 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	8.7	4.0	69.9	28.6	111.2	0.0	0.0	0.0	0.0	111.2
Manitoba	12.6	1.8	51.1	0.0	65.5	0.0	0.0	0.0	0.0	65.5
New Brunswick	8.7	4.0	7.3	1.6	21.6	0.0	0.0	1.6	1.6	23.2
Newfoundland and Labrador	5.2	0.0	2.1	0.0	7.3	0.0	0.0	0.0	0.0	7.3
Nova Scotia	13.0	0.0	17.6	3.3	33.9	0.0	0.0	0.0	0.0	33.9
Ontario	71.8	4.5	264.9	107.8	449.0	0.0	0.0	0.0	0.0	449.0
Prince Edward Island	-	-	-	-	-	-	-	-	-	-
Québec	6.4	1.2	38.2	12.2	57.9	1.5	0.0	0.6	2.1	60.0
Saskatchewan	4.8	0.0	6.6	-2.8	8.6	0.0	0.0	0.0	0.0	8.6
Total	131.2	15.5	457.7	150.5	754.9	1.5	0.0	2.2	3.7	758.6

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.

..... 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, 2019 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0
Manitoba	1.6	3.9	0.0	2.9	0.2	8.6
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	8.8	9.5	1.8	20.1	4.4	44.6
Prince Edward Island	-	-	-	-	-	-
Québec	1.0	0.2	0.0	17.7	0.8	19.6
Saskatchewan	0.1	0.1	0.0	0.2	0.1	0.4
Total	11.4	13.7	1.8	41.0	5.4	73.2

Canadian Gas Program Budgets by Province, 2019 (Millions CAD)

	Residential	Low Income	Multifamily	C & I	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	0.02	0.02	0.02	0.02	0.02	0.1
Manitoba	2.1	2.1	2.1	3.9	0.2	10.4
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	11.2	11.2	11.2	25.6	5.5	64.7
Prince Edward Island	-	-	-	-	-	-
Québec	1.3	1.3	1.3	23.7	1.0	28.5
Saskatchewan	0.1	0.1	0.1	0.3	0.1	0.6
Total	14.6	14.6	14.6	53.5	6.9	104.3

Notes:

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

Table 14. Canadian Gas Program Expenditures by Province, 2018 (Millions USD)

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0
Manitoba	0.7	3.7	0.0	5.3	0.0	9.7
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	8.6	8.0	0.8	14.9	2.3	34.7
Prince Edward Island	-	-	-	-	-	-
Québec	1.0	0.1	0.0	12.6	0.5	14.2
Saskatchewan	0.1	0.1	0.0	0.2	0.1	0.4
Total	10.4	11.9	0.8	33.1	2.9	59.0

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

	Residential	Low Income	Multifamily	Commercial & Industrial	Other	Grand Total
Alberta	-	-	-	-	-	-
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0
Manitoba	0.9	4.8	0.0	6.9	0.0	12.6
New Brunswick	-	-	-	-	-	-
Newfoundland and Labrador	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
Ontario	11.2	10.4	1.0	19.4	2.3	44.3
Prince Edward Island	-	-	-	-	-	-
Québec	1.3	0.1	0.0	16.4	0.5	18.3
Saskatchewan	0.1	0.1	0.0	0.3	0.1	0.5
Total	13.5	15.4	1.0	42.9	2.9	75.7

Notes:

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