

APPENDIX A - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES AND BUDGETS BY STATE																
STATE	2018 Expenditures AND 2019 Budgets															
	A. RESIDENTIAL		B. LOW INCOME		C. MULTI FAMILY		D. COMMERCIAL		E. INDUSTRIAL		G. OTHER		PROGRAMS TOTAL (A + B + C + D + E + F)		Greenhouse Gas (GHG) Savings	
	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Energy Savings (Therms)	2018 GHG Saved (Metric Tons)
ALABAMA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
ALASKA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
ARIZONA	\$ 4,289,823	\$ 3,039,848	\$ 640,469	\$ 726,577	\$ -	\$ -	\$ 443,921	\$ 1,558,905	\$ -	\$ -	\$ -	\$ -	\$ 5,374,213	\$ 5,325,330	3,807,748	20,181
ARKANSAS	\$ 9,138,090	\$ 9,237,115	\$ -	\$ -	\$ -	\$ -	\$ 5,490,573	\$ 5,901,699	\$ -	\$ -	\$ 171,779	\$ 199,169	\$ 14,800,442	\$ 15,337,983	1,739,315	9,218
CALIFORNIA	\$ 61,214,475	\$ 36,633,051	\$ 150,329,810	\$ 229,476,413	\$ 10,039,462	\$ 10,817,389	\$ 33,254,409	\$ 23,957,218	\$ 10,700,095	\$ 13,419,310	\$ 36,507,802	\$ 28,682,188	\$ 302,046,053	\$ 342,985,569	116,180,364	615,756
COLORADO	\$ 10,762,687	\$ 6,903,027	\$ 5,197,953	\$ 4,639,517	\$ -	\$ -	\$ 3,700,702	\$ 2,924,560	\$ 32,198	\$ -	\$ 1,351,969	\$ 1,592,065	\$ 21,045,509	\$ 16,059,169	9,035,808	47,890
CONNECTICUT	\$ 14,886,539	\$ 18,564,053	\$ 9,595,831	\$ 8,793,802	\$ 2,680,422	\$ 2,220,260	\$ 10,569,482	\$ 14,915,844	\$ 2,226,013	\$ 3,070,421	\$ 5,499,752	\$ 5,338,858	\$ 45,458,039	\$ 52,903,238	3,718,852	19,710
DELAWARE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
DISTRICT OF COLUMBIA	\$ 394,509	\$ -	\$ 1,049,723	\$ -	\$ -	\$ -	\$ 2,298,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,742,265	\$ -	2,131,595	11,297
FLORIDA	\$ 20,633,250	\$ 16,537,478	\$ -	\$ -	\$ -	\$ -	\$ 3,659,245	\$ 2,808,292	\$ -	\$ -	\$ 3,162,243	\$ 3,137,711	\$ 27,454,738	\$ 22,483,481	-	-
GEORGIA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
IDAHO	\$ 2,008,980	\$ 1,425,072	\$ 323,785	\$ 275,853	\$ -	\$ -	\$ 188,098	\$ 202,678	\$ -	\$ -	\$ 205,290	\$ 185,285	\$ 2,726,153	\$ 2,088,888	530,823	2,813
ILLINOIS	\$ 16,034,291	\$ 1,301,352	\$ 20,408,949	\$ 5,367,414	\$ 4,032,007	\$ -	\$ 24,113,092	\$ 7,273,016	\$ -	\$ -	\$ 9,369,464	\$ 2,227,302	\$ 73,957,803	\$ 16,169,084	10,147,162	53,780
INDIANA	\$ 9,058,196	\$ 8,239,693	\$ 1,870,346	\$ 1,400,193	\$ 904,652	\$ 551,394	\$ 3,504,196	\$ 3,657,288	\$ -	\$ -	\$ 1,882,905	\$ 1,247,760	\$ 17,220,295	\$ 15,096,328	9,409,216	49,869
IOWA	\$ 23,593,362	\$ 13,043,490	\$ 6,287,172	\$ 5,130,060	\$ 1,993,690	\$ 43,117	\$ 5,077,226	\$ 976,644	\$ -	\$ -	\$ 4,341,545	\$ 4,718,577	\$ 41,292,995	\$ 23,911,888	10,122,284	53,648
KANSAS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
KENTUCKY	\$ 1,129,810	\$ 686,000	\$ 378,978	\$ 687,000	\$ -	\$ -	\$ 3,100	\$ 62,000	\$ -	\$ -	\$ 26,244	\$ -	\$ 1,538,132	\$ 1,435,000	546,195	2,895
LOUISIANA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
MAINE	\$ 418,324	\$ 851,453	\$ -	\$ -	\$ -	\$ -	\$ 1,288,278	\$ 2,837,968	\$ -	\$ -	\$ -	\$ -	\$ 1,706,602	\$ 3,689,421	465,130	2,465
MARYLAND	\$ 12,285,142	\$ 21,439,774	\$ 4,841,603	\$ 6,360,589	\$ -	\$ -	\$ 430,599	\$ 1,527,330	\$ -	\$ -	\$ 38,400	\$ -	\$ 17,595,744	\$ 29,327,693	1,612,311	8,545
MASSACHUSETTS	\$ 142,290,913	\$ 33,099,745	\$ 46,317,359	\$ 12,779,747	\$ 11,230,358	\$ -	\$ 49,913,453	\$ 17,224,142	\$ -	\$ -	\$ 103,578	\$ -	\$ 249,855,661	\$ 63,103,634	33,272,541	176,344
MICHIGAN	\$ 45,006,785	\$ 22,202,887	\$ 19,086,880	\$ 11,664,955	\$ 2,413,418	\$ 2,562,098	\$ 26,419,002	\$ 15,616,875	\$ -	\$ -	\$ 3,484,892	\$ 5,937,911	\$ 96,410,977	\$ 57,984,726	13,644,286	72,315
MINNESOTA	\$ 31,919,059	\$ 32,523,260	\$ 6,873,189	\$ 7,439,098	\$ 563,679	\$ 806,157	\$ 15,474,423	\$ 16,269,593	\$ 2,019,680	\$ 2,027,376	\$ 5,715,177	\$ 6,821,770	\$ 62,565,207	\$ 65,887,254	3,439,615	18,230
MISSISSIPPI	\$ 935,071	\$ 879,254	\$ -	\$ -	\$ 45,534	\$ 51,584	\$ 283,896	\$ 353,183	\$ 219,231	\$ 270,196	\$ -	\$ -	\$ 1,483,732	\$ 1,554,217	820,141	4,347
MISSOURI	\$ 3,380,157	\$ 105,500	\$ 2,421,562	\$ 71,500	\$ -	\$ -	\$ 917,342	\$ 44,775	\$ -	\$ 9,425	\$ 1,371,121	\$ -	\$ 8,090,182	\$ 231,200	584,816	3,100
MONTANA	\$ 1,431,488	\$ 119,579	\$ 1,393,000	\$ -	\$ -	\$ -	\$ 40,051	\$ 8,421	\$ 6,600	\$ 43,125	\$ -	\$ -	\$ 2,871,139	\$ 171,125	7,674	41
NEBRASKA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
NEVADA	\$ 142,645	\$ 583,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 546,923	\$ 1,335,421	\$ 689,568	\$ 1,918,671	-	-
NEW HAMPSHIRE	\$ 3,228,404	\$ 3,158,234	\$ 1,334,077	\$ 1,556,830	\$ -	\$ -	\$ 1,404,583	\$ 4,442,749	\$ -	\$ -	\$ -	\$ -	\$ 5,967,064	\$ 9,157,813	-	-
NEW JERSEY	\$ 62,966,852	\$ 165,922,295	\$ 14,193,423	\$ 18,765,000	\$ 4,910,854	\$ 8,688,366	\$ 27,485,920	\$ 57,284,157	\$ -	\$ -	\$ 4,302,829	\$ 2,885,115	\$ 113,859,878	\$ 253,544,932	10,920,911	57,881
NEW MEXICO	\$ 2,177,583	\$ 2,061,962	\$ 1,724,433	\$ 1,838,344	\$ 473,676	\$ 360,418	\$ 1,610,911	\$ 1,576,851	\$ -	\$ -	\$ 91,436	\$ 141,847	\$ 6,078,039	\$ 5,979,422	-	-
NEW YORK	\$ 23,391,443	\$ 26,492,321	\$ 8,398,843	\$ 5,740,000	\$ 15,948,126	\$ 19,593,879	\$ 13,026,682	\$ 21,750,409	\$ 1,919,832	\$ -	\$ 959,113	\$ 1,720,000	\$ 63,644,039	\$ 75,296,609	38,665,322	204,926
NORTH CAROLINA	\$ 900,000	\$ 875,000	\$ 225,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 1,275,000	\$ 1,275,000	282,614	4,98
NORTH DAKOTA	\$ 141,870	\$ 138,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 141,870	\$ 138,260	12,697	67
OHIO	\$ 20,868,963	\$ 22,283,804	\$ 21,960,787	\$ 22,850,717	\$ -	\$ -	\$ 2,316,720	\$ 2,428,031	\$ -	\$ -	\$ 903,030	\$ 1,016,473	\$ 46,049,500	\$ 48,579,025	2,527,027	13,393
OKLAHOMA	\$ 13,023,250	\$ 14,249,500	\$ 741,897	\$ 700,000	\$ -	\$ -	\$ 920,561	\$ 1,648,638	\$ 1,684,877	\$ 1,601,354	\$ -	\$ -	\$ 16,370,585	\$ 18,199,492	534,690	2,834
OREGON	\$ 13,001,468	\$ 15,627,298	\$ 572,504	\$ 1,061,717	\$ 877,870	\$ 1,415,966	\$ 7,393,148	\$ 9,210,436	\$ 2,560,527	\$ 2,964,638	\$ -	\$ -	\$ 24,405,517	\$ 30,280,055	8,128,014	43,078
PENNSYLVANIA	\$ 2,009,255	\$ 3,723,103	\$ 15,772,350	\$ 18,481,470	\$ -	\$ -	\$ 465,925	\$ 563,054	\$ -	\$ -	\$ 199,925	\$ -	\$ 18,447,455	\$ 22,767,627	123,254	653
RHODE ISLAND	\$ 10,981,666	\$ 11,929,325	\$ 6,644,721	\$ 7,945,536	\$ 1,035,977	\$ 2,595,894	\$ 8,008,160	\$ 7,121,779	\$ -	\$ -	\$ 560,047	\$ 539,694	\$ 27,230,571	\$ 30,132,228	-	-
SOUTH CAROLINA	\$ 260,650	\$ 220,000	\$ 60,000	\$ 115,000	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ 13,068	\$ 15,000	\$ 333,718	\$ 350,000	88,069	467
SOUTH DAKOTA	\$ 764,139	\$ 678,817	\$ -	\$ -	\$ -	\$ -	\$ 56,726	\$ 58,760	\$ -	\$ -	\$ 10,591	\$ 24,181	\$ 831,456	\$ 761,758	213,557	1,132
TENNESSEE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
TEXAS	\$ 3,345,980	\$ 4,087,685	\$ 907,220	\$ 936,000	\$ -	\$ -	\$ 202,978	\$ 248,500	\$ -	\$ -	\$ -	\$ -	\$ 4,456,178	\$ 5,272,185	174,703	926
UTAH	\$ 16,115,530	\$ 17,210,657	\$ 642,055	\$ 868,950	\$ 2,908,443	\$ 1,919,376	\$ 1,951,901	\$ 3,619,448	\$ -	\$ -	\$ 1,790,352	\$ 1,890,000	\$ 23,408,281	\$ 25,508,431	10,084,120	53,446
VERMONT	\$ 1,960,235	\$ 2,282,284	\$ 102,332	\$ 38,824	\$ -	\$ -	\$ 611,203	\$ 693,318	\$ -	\$ -	\$ -	\$ -	\$ 2,673,770	\$ 3,014,426	62,508	331
VIRGINIA	\$ 1,857,164	\$ 2,038,593	\$ 197,071	\$ 963,399	\$ -	\$ -	\$ 476,331	\$ 76,361	\$ -	\$ -	\$ 151,184	\$ 222,000	\$ 2,681,750	\$ 3,300,353	1,144,034	6,063
WASHINGTON	\$ 14,849,727	\$ 12,176,390	\$ 2,253,356	\$ 1,108,528	\$ 605,538	\$ 1,090,373	\$ 7,131,960	\$ 6,760,542	\$ 424,427	\$ 441,498	\$ 2,317,785	\$ 2,893,352	\$ 27,582,793	\$ 24,470,683	1,925,620	10,206
WEST VIRGINIA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
WISCONSIN	\$ 10,518,879	\$ 8,433,449	\$ 720,064	\$ 925,000	\$ 503,037	\$ 437,907	\$ 14,097,650	\$ 13,143,923	\$ -	\$ -	\$ 2,551,354	\$ 4,066,461	\$ 28,390,984	\$ 27,006,740	23,247,052	123,209

APPENDIX A - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES AND BUDGETS BY STATE																
STATE	2018 Expenditures AND 2019 Budgets															
	A. RESIDENTIAL		B. LOW INCOME		C. MULTI FAMILY		D. COMMERCIAL		E. INDUSTRIAL		G. OTHER		PROGRAMS TOTAL (A + B + C + D + E + F)		Greenhouse Gas (GHG) Savings	
	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Energy Savings (Therms)	2018 GHG Saved (Metric Tons)
WYOMING	\$ 424,941	\$ 817,323	\$ -	\$ -	\$ -	\$ 45,059	\$ 161,701	\$ 88,344	\$ -	\$ -	\$ 11,287	\$ 19,000	\$ 597,929	\$ 969,726	27,819	147
TOTAL	\$ 613,741,595	\$ 541,821,181	\$ 353,466,742	\$ 378,958,033	\$ 61,166,743	\$ 53,199,237	\$ 274,392,181	\$ 248,835,731	\$ 21,793,480	\$ 23,847,343	\$ 87,791,085	\$ 77,007,140	\$ 1,412,351,826	\$ 1,323,668,664	319,377,887	1,692,703
	\$ 613,741,595	\$ 541,821,181	\$ 353,466,742	\$ 378,958,033	\$ 61,166,743	\$ 53,199,237	\$ 274,392,181	\$ 248,835,731	\$ 21,793,480	\$ 23,847,343	\$ 87,791,085	\$ 77,007,140	\$ 1,412,351,826	\$ 1,323,668,664		

*This data stems from Natural Gas utility members that participated in the energy efficiency survey within a given state; not all utility EE programs that may be offered within the state.

** States without 3 or more participating utilities were not included in this appendix as per the participation agreement to keep individual company data confidential.

*** Utilities that were unable to participate in the 2018 survey but had participated in 2017, had prior year data incorporated for consistency.

**** GHG savings and equivalencies were calculated using the EPA Greenhouse Gas Equivalencies Calculator <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

- Therms of natural gas saved to Tons of GHG saved= 0.0053 metric tons CO2/therm

- X Miles driven by the average vehicle = 4.03 x 10⁻⁴ metric tons CO2E/mile

-X vehicles off the road per year = 4.63 metric tons CO2E/vehicle /year

***** G. Other includes combined C&I programs that were not able to get broken out.

REGION	APPENDIX B - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES AND BUDGETS BY REGION													
	2018 EXPENDITURES AND 2019 BUDGETS													
	A. RESIDENTIAL		B. LOW INCOME		C. MULTI FAMILY		D. COMMERCIAL		E. INDUSTRIAL		G. OTHER		PROGRAMS TOTAL (A + B + C + D + E + F)	
	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget	2018 Expenditures	2019 Budget
NORTHEAST	\$ 262,133,631	\$ 266,022,813	\$ 102,358,936	\$ 74,101,209	\$ 35,805,737	\$ 33,098,399	\$ 112,773,686	\$ 126,833,420	\$ 4,145,845	\$ 3,070,421	\$ 11,625,244	\$ 10,483,667	\$ 528,843,079	\$ 513,609,928
MIDWEST	\$ 161,285,701	\$ 108,950,512	\$ 79,628,949	\$ 54,848,937	\$ 10,410,483	\$ 4,400,673	\$ 91,976,377	\$ 59,468,905	\$ 2,019,680	\$ 2,036,801	\$ 29,630,079	\$ 26,060,435	\$ 374,951,269	\$ 255,766,263
SOUTH	\$ 63,902,916	\$ 70,250,399	\$ 8,401,492	\$ 10,011,988	\$ 45,534	\$ 51,584	\$ 13,765,316	\$ 12,626,003	\$ 1,904,108	\$ 1,871,550	\$ 3,712,918	\$ 3,723,880	\$ 91,732,284	\$ 98,535,404
WEST	\$ 126,419,347	\$ 96,597,457	\$ 163,077,365	\$ 239,995,899	\$ 14,904,989	\$ 15,648,581	\$ 55,876,802	\$ 49,907,403	\$ 13,723,847	\$ 16,868,571	\$ 42,822,844	\$ 36,739,158	\$ 416,825,194	\$ 455,757,069
UNITED STATES TOTAL	\$ 613,741,595	\$ 541,821,181	\$ 353,466,742	\$ 378,958,033	\$ 61,166,743	\$ 53,199,237	\$ 274,392,181	\$ 248,835,731	\$ 21,793,480	\$ 23,847,343	\$ 87,791,085	\$ 77,007,140	\$ 1,412,351,826	\$ 1,323,668,664
CANADA	\$ 10,385,264	\$ 11,363,413	\$ 11,876,343	\$ 13,690,990	\$ 773,808	\$ 1,804,532	\$ 29,989,196	\$ 37,595,369	\$ 3,084,468	\$ 3,367,309	\$ 2,877,715	\$ 5,375,709	\$ 58,986,793	\$ 73,197,323
NORTH AMERICA	\$ 624,126,859	\$ 553,184,594	\$ 365,343,085	\$ 392,649,023	\$ 61,940,551	\$ 55,003,769	\$ 304,381,377	\$ 286,431,099	\$ 24,877,948	\$ 27,214,652	\$ 90,668,800	\$ 82,382,849	\$ 1,471,338,619	\$ 1,396,865,988

* This data stems from Natural Gas utility members that participated in the energy efficiency survey within a given state/region; not all utility EE programs that may be offered within the state/region.

** Utilities that were unable to participate in the 2018 survey but had participated in 2017, had prior year data incorporated for consistency.

*** G. Other includes combined C&I programs that were not able to get broken out.

APPENDIX C - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES BY ACTIVITY AND STATE
2018 State Efficiency Expenditures by Activity

STATE	A. ADMINISTRATIVE, MARKETING, OTHER IMPLEMENTATION COSTS	B. CUSTOMER INCENTIVES (Rebates, Loans & Other Financial Incentives)	C. EM&V AND SUPPORTING RESEARCH STUDIES	D. OTHER COSTS	PROGRAMS TOTAL (A+B+C+D)
ALABAMA	\$ -	\$ -	\$ -	\$ -	\$ -
ALASKA	\$ -	\$ -	\$ -	\$ -	\$ -
ARIZONA	\$ 344,527	\$ 5,029,686	\$ -	\$ -	\$ 5,374,213
ARKANSAS	\$ 5,389,747	\$ 8,592,147	\$ 661,777	\$ 156,771	\$ 14,800,442
CALIFORNIA	\$ 234,539,165	\$ 61,264,292	\$ 2,424,478	\$ 3,818,118	\$ 302,046,053
COLORADO	\$ 7,678,330	\$ 11,286,581	\$ 1,928,481	\$ 152,117	\$ 21,045,509
CONNECTICUT	\$ 7,021,429	\$ 34,591,163	\$ 690,393	\$ 3,155,054	\$ 45,458,039
DELAWARE	\$ -	\$ -	\$ -	\$ -	\$ -
DISTRICT OF COLUMBIA	\$ 1,345,167	\$ 1,722,691	\$ -	\$ 674,407	\$ 3,742,265
FLORIDA	\$ 4,799,771	\$ 22,590,604	\$ 508	\$ 63,855	\$ 27,454,738
GEORGIA	\$ -	\$ -	\$ -	\$ -	\$ -
IDAHO	\$ 430,951	\$ 2,152,634	\$ 93,579	\$ 48,989	\$ 2,726,153
ILLINOIS	\$ 33,404,206	\$ 37,991,793	\$ 2,504,540	\$ 57,264	\$ 73,957,803
INDIANA	\$ 6,963,363	\$ 8,403,450	\$ 506,294	\$ 1,347,188	\$ 17,220,295
IOWA	\$ 7,510,633	\$ 33,000,095	\$ 503,738	\$ 278,529	\$ 41,292,995
KANSAS	\$ -	\$ -	\$ -	\$ -	\$ -
KENTUCKY	\$ 425,985	\$ 1,085,120	\$ 15,627	\$ 11,400	\$ 1,538,132
LOUISIANA	\$ -	\$ -	\$ -	\$ -	\$ -
MAINE	\$ 564,750	\$ 1,141,852	\$ -	\$ -	\$ 1,706,602
MARYLAND	\$ 8,626,490	\$ 8,786,111	\$ 144,743	\$ 38,400	\$ 17,595,744
MASSACHUSETTS	\$ 29,755,029	\$ 182,150,894	\$ 6,013,258	\$ 31,936,480	\$ 249,855,661
MICHIGAN	\$ 31,455,509	\$ 56,986,179	\$ 3,282,387	\$ 4,686,902	\$ 96,410,977
MINNESOTA	\$ 29,209,694	\$ 29,941,855	\$ 1,437,090	\$ 1,976,568	\$ 62,565,207
MISSISSIPPI	\$ 703,695	\$ 750,376	\$ 29,661	\$ -	\$ 1,483,732
MISSOURI	\$ 632,355	\$ 7,123,823	\$ 71,004	\$ 263,000	\$ 8,090,182
MONTANA	\$ 2,397,617	\$ 466,922	\$ -	\$ 6,600	\$ 2,871,139
NEBRASKA	\$ -	\$ -	\$ -	\$ -	\$ -
NEVADA	\$ 137,930	\$ -	\$ 4,715	\$ 546,923	\$ 689,568
NEW HAMPSHIRE	\$ 1,071,728	\$ 4,579,909	\$ 315,427	\$ -	\$ 5,967,064
NEW JERSEY	\$ 29,350,928	\$ 82,103,479	\$ 1,667,878	\$ 737,593	\$ 113,859,878
NEW MEXICO	\$ 2,593,150	\$ 3,281,919	\$ 111,534	\$ 91,436	\$ 6,078,039
NEW YORK	\$ 17,163,369	\$ 43,084,413	\$ 2,253,313	\$ 1,142,944	\$ 63,644,039

APPENDIX C - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES BY ACTIVITY AND STATE
2018 State Efficiency Expenditures by Activity

STATE	A. ADMINISTRATIVE, MARKETING, OTHER IMPLEMENTATION COSTS	B. CUSTOMER INCENTIVES (Rebates, Loans & Other Financial Incentives)	C. EM&V AND SUPPORTING RESEARCH STUDIES	D. OTHER COSTS	PROGRAMS TOTAL (A+B+C+D)
NORTH CAROLINA	\$ 545,374	\$ 684,525	\$ 45,101	\$ -	\$ 1,275,000
NORTH DAKOTA	\$ 81,575	\$ 60,295	\$ -	\$ -	\$ 141,870
OHIO	\$ 26,162,926	\$ 19,154,000	\$ 335,259	\$ 397,315	\$ 46,049,500
OKLAHOMA	\$ 1,624,452	\$ 14,245,903	\$ 500,230	\$ -	\$ 16,370,585
OREGON	\$ 10,527,835	\$ 13,877,682	\$ -	\$ -	\$ 24,405,517
PENNSYLVANIA	\$ 6,529,494	\$ 11,730,411	\$ 187,550	\$ -	\$ 18,447,455
RHODE ISLAND	\$ 5,460,915	\$ 16,150,165	\$ 5,059,444	\$ 560,047	\$ 27,230,571
SOUTH CAROLINA	\$ 92,243	\$ 237,825	\$ 3,650	\$ -	\$ 333,718
SOUTH DAKOTA	\$ 166,589	\$ 650,450	\$ 3,773	\$ 10,644	\$ 831,456
TENNESSEE	\$ -	\$ -	\$ -	\$ -	\$ -
TEXAS	\$ 931,913	\$ 3,497,420	\$ 26,845	\$ -	\$ 4,456,178
UTAH	\$ 6,457,269	\$ 16,951,012	\$ -	\$ -	\$ 23,408,281
VERMONT	\$ 837,952	\$ 1,835,818	\$ -	\$ -	\$ 2,673,770
VIRGINIA	\$ 1,267,495	\$ 836,472	\$ 169,430	\$ 408,353	\$ 2,681,750
WASHINGTON	\$ 9,158,571	\$ 17,545,402	\$ 582,355	\$ 296,465	\$ 27,582,793
WEST VIRGINIA	\$ -	\$ -	\$ -	\$ -	\$ -
WISCONSIN	\$ 12,416,177	\$ 15,467,036	\$ 507,771	\$ -	\$ 28,390,984
WYOMING	\$ 121,209	\$ 443,880	\$ 32,840	\$ -	\$ 597,929
TOTAL	\$ 545,897,507	\$ 781,476,284	\$ 32,114,673	\$ 52,863,362	\$ 1,412,351,826

* This data stems from Natural Gas utility members that participated in the energy efficiency survey within a given state; not all utility EE programs that may be offered within the state.

** States without 3 or more participating utilities were not included in this appendix as per the participation agreement to keep individual company data confidential.

*** Utilities that were unable to participate in the 2018 survey but had participated in 2017, had prior year data incorporated for consistency.

**** D. Other includes combined C&I programs that were not able to get broken out.

APPENDIX D - NATURAL GAS EFFICIENCY PROGRAM EXPENDITURES BY ACTIVITY AND REGION

2018 Regional Efficiency Expenditures by Activity

REGION	A. ADMINISTRATIVE, MARKETING, OTHER IMPLEMENTATION COSTS	B. CUSTOMER INCENTIVES (Rebates, Loans & Other Financial Incentives)	C. EM&V AND SUPPORTING RESEARCH STUDIES	D. OTHER COSTS	PROGRAMS TOTAL (A+B+C+D)
NORTHEAST	\$97,755,594	\$377,368,104	\$16,187,263	\$37,532,118	\$528,843,079
MIDWEST	\$148,003,027	\$208,778,976	\$9,151,856	\$9,017,410	\$374,951,269
SOUTH	\$25,752,332	\$63,029,194	\$1,597,572	\$1,353,186	\$91,732,284
WEST	\$274,386,554	\$132,300,010	\$5,177,982	\$4,960,648	\$416,825,194
UNITED STATES	\$545,897,507	\$781,476,284	\$32,114,673	\$52,863,362	\$1,412,351,826
CANADA	\$13,445,241	\$41,264,034	\$2,143,075	\$2,134,444	\$58,986,793
NORTH AMERICA	\$559,342,748	\$822,740,318	\$34,257,748	\$54,997,806	\$1,471,338,619

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*** D. Other includes combined C&I programs that were not able to get broken out.

APPENDIX E - AGGREGATE NATURAL GAS EFFICIENCY PROGRAM GROSS ENERGY SAVINGS BY REGION

2013 - 2018 Energy Savings and Emissions by Region (Therms and Btu)

REGION	RESIDENTIAL	LOW INCOME	MULTI FAMILY	COMMERCIAL and INDUSTRIAL	OTHER	TOTAL ENERGY SAVINGS (THERM)	TOTAL ENERGY SAVINGS (TRILLION BTU)	CO2 EMISSIONS AVOIDED (METRIC TONS)	Emissions Saved From X Miles Driven by an Average Vehicle	Emissions Saved From Keeping X Vehicles off the Road for One Year	X HOMES' ENERGY USE FOR ONE YEAR
NORTHEAST	197,193,912	51,010,171	30,185,950	223,865,822	13,272,664	515,528,518	51.6	2,732,301	6,779,903,593	590,130	315,144
MIDWEST	354,356,433	31,682,105	44,856,586	523,612,771	20,969,817	975,477,712	97.5	5,170,032	12,828,863,205	1,116,638	596,313
SOUTH	42,254,623	3,119,446	116,404	41,173,194	-	86,663,667	8.7	459,317	1,139,745,493	99,205	52,978
WEST	153,037,464	30,033,692	13,229,971	225,069,529	235,211,626	656,582,282	65.7	3,479,886	8,634,953,088	751,595	401,371
CANADA	16,798,968	8,916,486	6,080,000	410,391,652	234,116,320	676,303,426	67.6	3,584,408	8,894,313,044	774,170	413,427
UNITED STATES	746,842,433	115,845,414	88,388,911	1,013,721,315	269,454,107	2,234,252,179	223.4	11,841,537	29,383,465,379	2,557,567	1,365,806
NORTH AMERICA	763,641,401	124,761,899	94,468,911	1,424,112,967	503,570,427	2,910,555,605	291.1	15,425,945	38,277,778,423	3,331,738	1,779,232

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*** Utilities that were unable to participate in the 2018 survey but had participated in 2017, had prior year data incorporated for consistency.

**** GHG savings and equivalencies were calculated using the EPA Greenhouse Gas Equivalencies Calculator <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

- Therms of natural gas saved to Tons of GHG saved= 0.0053 metric tons CO2/therm

- X Miles driven by the average vehicle = 4.03×10^{-4} metric tons CO2E/mile

- X Vehicles off the road per year = 4.63 metric tons CO2E/vehicle /year

- X Homes energy use for one year = 8.67 metric tons CO2 per home per year

APPENDIX F - NATURAL GAS EFFICIENCY PROGRAM GROSS ENERGY SAVINGS BY REGION

2018 Energy Savings and Emissions by Region (Therms and Btu)

REGION	RESIDENTIAL	LOW INCOME	MULTI FAMILY	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL ENERGY SAVINGS (THERM)	TOTAL ENERGY SAVINGS (TRILLION BTU)	CO2 EMISSIONS AVOIDED (METRIC TONS)	Emissions Saved From X Miles Driven by an Average Vehicle	Emissions Saved From Keeping X Vehicles off the Road for One Year	X HOMES' ENERGY USE FOR ONE YEAR
NORTHEAST	33,463,912	7,940,171	2,415,950	32,160,745	10,715,077	532,664	87,228,518	8.72	462,311	1,147,174,064	99,851	53,323
MIDWEST	25,266,433	2,792,105	1,156,586	43,244,156	148,615	739,817	73,347,712	7.33	388,743	964,622,510	83,962	44,838
SOUTH	4,884,623	179,446	16,404	3,388,177	605,017	-	9,073,667	0.91	48,090	119,331,101	10,387	5,547
WEST	33,397,464	4,773,692	1,599,971	18,901,806	8,197,723	73,781,626	140,652,282	14.07	745,457	1,849,769,466	161,006	85,981
CANADA	2,748,968	1,396,486	-	82,389,766	27,871,886	16,320	114,423,426	11.44	606,444	1,504,824,210	130,981	69,947
UNITED STATES	97,012,433	15,685,414	5,188,911	97,694,883	19,666,432	75,054,107	310,302,179	31.03	1,644,602	4,080,897,141	355,206	189,689
NORTH AMERICA	99,761,401	17,081,899	5,188,911	180,084,648	47,538,318	75,070,427	424,725,605	42.47	2,251,046	5,585,721,351	486,187	259,636

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*** Utilities that were unable to participate in the 2018 survey but had participated in 2017, had prior year data incorporated for consistency.

**** GHG savings and equivalencies were calculated using the EPA Greenhouse Gas Equivalencies Calculator <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

- Therms of natural gas saved to Tons of GHG saved= 0.0053 metric tons CO2/therm

- X Miles driven by the average vehicle = 4.03×10^{-4} metric tons CO2E/mile

- X Vehicles off the road per year = 4.63 metric tons CO2E/vehicle /year

- X Homes energy use for one year = 8.67 metric tons CO2 per home per year

***** Other includes combined C&I programs that were not able to get broken out.

APPENDIX G - NATURAL GAS EFFICIENCY PROGRAM ENERGY AND EMISSIONS SAVINGS BY STATE

2018 Greenhouse Gas (GHG) Savings

STATE	2018 Energy Savings (Therms)	2018 GHG Saved (Metric Tons)	Emissions Saved From X Miles Driven by an Average Vehicle	Emissions Saved From Keeping X Vehicles off the Road for One Year
ALABAMA	-	-	-	-
ALASKA	-	-	-	-
ARIZONA	3,807,748	20,181	50,077,083	4,359
ARKANSAS	1,739,315	9,218	22,874,366	1,991
CALIFORNIA	116,180,364	615,756	1,527,930,345	132,993
COLORADO	9,035,808	47,890	118,833,207	10,343
CONNECTICUT	3,718,852	19,710	48,907,979	4,257
DELAWARE	-	-	-	-
DISTRICT OF COLUMBIA	2,131,595	11,297	28,033,386	2,440
FLORIDA	-	-	-	-
GEORGIA	-	-	-	-
IDAHO	530,823	2,813	6,981,047	608
ILLINOIS	10,147,162	53,780	133,449,029	11,616
INDIANA	9,409,216	49,869	123,744,032	10,771
IOWA	10,122,284	53,648	133,121,849	11,587
KANSAS	-	-	-	-
KENTUCKY	546,195	2,895	7,183,204	625
LOUISIANA	-	-	-	-
MAINE	465,130	2,465	6,117,094	532
MARYLAND	1,612,311	8,545	21,204,090	1,846
MASSACHUSETTS	33,272,541	176,344	437,579,323	38,087
MICHIGAN	13,644,286	72,315	179,440,982	15,619
MINNESOTA	3,439,615	18,230	45,235,632	3,937
MISSISSIPPI	820,141	4,347	10,785,973	939
MISSOURI	584,816	3,100	7,691,123	669
MONTANA	7,674	41	100,924	9
NEBRASKA	-	-	-	-
NEVADA	-	-	-	-
NEW HAMPSHIRE	-	-	-	-
NEW JERSEY	10,920,911	57,881	143,624,884	12,501
NEW MEXICO	-	-	-	-
NEW YORK	38,665,322	204,926	508,501,760	44,261
NORTH CAROLINA	282,614	1,498	3,716,760	324
NORTH DAKOTA	12,697	67	166,983	15
OHIO	2,527,027	13,393	33,233,854	2,893
OKLAHOMA	534,690	2,834	7,031,903	612
OREGON	8,128,014	43,078	106,894,477	9,304
PENNSYLVANIA	123,254	653	1,620,958	141
RHODE ISLAND	-	-	-	-
SOUTH CAROLINA	88,069	467	1,158,228	101
SOUTH DAKOTA	213,557	1,132	2,808,566	244
TENNESSEE	-	-	-	-
TEXAS	174,703	926	2,297,583	200
UTAH	10,084,120	53,446	132,619,940	11,543
VERMONT	62,508	331	822,066	72
VIRGINIA	1,144,034	6,063	15,045,608	1,310

APPENDIX G - NATURAL GAS EFFICIENCY PROGRAM ENERGY AND EMISSIONS SAVINGS BY STATE

2018 Greenhouse Gas (GHG) Savings

STATE	2018 Energy Savings (Therms)	2018 GHG Saved (Metric Tons)	Emissions Saved From X Miles Driven by an Average Vehicle	Emissions Saved From Keeping X Vehicles off the Road for One Year
WASHINGTON	1,925,620	10,206	25,324,531	2,204
WEST VIRGINIA	-	-	-	-
WISCONSIN	23,247,052	123,209	305,730,461	26,611
WYOMING	27,819	147	365,858	32
TOTAL	319,377,887	1,692,703	4,200,255,087	365,595

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- Therms of natural gas saved to Tons of GHG saved= 0.0053 metric tons CO2/therm

- X Miles driven by the average vehicle = 4.03×10^{-4} metric tons CO2E/mile

- X vehicles off the road per year = 4.63 metric tons CO2E/vehicle /year

Update 09/2020