

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

* 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

** 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 = 4.03×10^{-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