

## Revenue Sources for the Clean Energy Progress Fund

### Clean Energy Progress

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**Objective:** Determine the distribution of revenue sources for the Clean Energy Progress Fund amongst residential, commercial, and industrial using the best available statistics.

**Energy usage.** The Energy Information Administration “Energy Consumption by Sector” report<sup>1</sup> shows that the following breakdown for usage of energy and natural gas by sector. Note that these are not Colorado-specific figures; however in almost all energy-use breakdowns, Colorado figures are quite close to national averages.

Sector	Electricity		Natural Gas	
	Quads <sup>1</sup>	%	Quads	%
Residential	4.62	37.0	4.48	29.1
Commercial	4.44	35.6	3.00	19.5
Industrial	3.42	27.4	7.94	51.4
<b>Total</b>	12.48	100.0	15.42	100.1

<sup>1</sup> 1 Quad = one quadrillion (10<sup>15</sup>) BTU

**Colorado global warming pollution generation.** The 2007 Greenhouse Gas Inventory<sup>2</sup> shows the following global warming pollution emissions by source for electricity and natural gas. These two sources account for 58% of the energy-related GW pollution emissions in the state.

Source	2005 emissions	
	mmtCO <sub>2</sub> e/yr <sup>1</sup>	%
Electricity	42.9	72.2
Natural gas	16.5	27.8
<b>Total</b>	59.4	100.0

<sup>1</sup> mmtCO<sub>2</sub>e = million metric tons of CO<sub>2</sub> equivalent

<sup>1</sup> [www.eia.doe.gov/emeu/aer/consump.html](http://www.eia.doe.gov/emeu/aer/consump.html)

<sup>2</sup> [www.coloradoclimate.org/ewebeditpro/items/O14F13894.pdf](http://www.coloradoclimate.org/ewebeditpro/items/O14F13894.pdf).

**Distribution of revenue raised at \$3/tonCO2**

<b>Sector</b>	<b>Electricity</b>		<b>Natural Gas</b>		<b>Total</b>	
	millions	%	millions	%	millions	%
Residential	\$47.6	37.0	\$14.4	29.1	62.0	34.8
Commercial	\$45.8	35.6	\$9.7	19.5	55.5	31.1
Industrial	\$35.3	27.4	\$25.4	51.4	60.7	34.1
<b>Total</b>	\$128.7	100.0	\$49.5	100.0	\$178.2	100.0

**Cost to an average household in Colorado.**

<b>Energy source</b>	<b>Average monthly residential use</b>	<b>Per energy unit fee</b>	<b>Monthly fee per avg. household</b>
Electricity	625 kWh <sup>1</sup>	\$0.0024/kWh <sup>2</sup>	\$1.50
Natural gas	46 therm <sup>3</sup>	\$0.0196/therm <sup>4</sup>	\$0.90
<b>Total</b>			<b>\$2.40</b>

<sup>1</sup> Xcel Energy

<sup>2</sup> Using the Denver grid average carbon intensity of 1.75 lbCO2/kWh.

<sup>3</sup> DOE Energy Information Agency figures.

<sup>3</sup> At 14.4 lbCO2/therm.