

City of Fort Collins 2015 Community GHG Report

Scope 1 – Direct GHG Emissions	Usage	Metric tons of CO ₂ e
Natural Gas, Residential:	3,491,828 Dth	185,612
Natural Gas, Commercial:	1,357,683 Dth	72,169
Natural Gas, Industrial and Transportation:	2,878,210 Dth	152,994
<i>Natural Gas Subtotal</i>		<i>410,775</i>
Gas Car (assumes 23.2 mpg):	23,878,388 gal.	209,652
Gas Light Truck (assumes 17.1 mpg):	29,307,648 gal.	257,321
Gas Heavy Truck (assumes 13.9 mpg):	274,453 gal.	2,410
Diesel Car (assumes 19.378 mpg):	52,112 gal.	532
Diesel Light Truck (assumes 16.859 mpg):	918,440 gal.	9,377
Diesel Heavy Truck (assumes 5.634 mpg):	7,388,570 gal.	75,437
Water Reclamation Facility Emissions:	75,763 ft ³ /day	1,391
Scope 1 Subtotal		966,895
Scope 2 – Energy Indirect GHG Emissions	Usage	Metric tons of CO ₂ e
Electricity, Residential:	485,698,645 kWh	335,763
Electricity, Commercial:	519,588,503 kWh	359,192
Electricity, Industrial:	463,408,693 kWh	320,354
Electricity, Street Lights:	8,579,808 kWh	5,931
Electricity, Traffic Lights:	574,546 kWh	397
Elec., Distribution and Transmission Losses:	75,611,482 kWh	52,270
<i>Electricity Usage Subtotal:</i>		<i>1,073,907</i>
Scope 2 Subtotal		1,073,907
Scope 3 – Other Indirect GHG Emissions	Usage	Metric tons of CO ₂ e
Solid Waste:	148,588 tons	83,164
Water Reclamation Digester Gas:	75,763 ft ³ /day	1,212
Water Treatment and Distribution:	8,146,909,500 gal.	4,843
Scope 3 Subtotal		89,219
Total Metric Tons of CO₂e:		2,130,021
Benefit of RECs:		-31
Benefit of Known Offsets:		0
Revised Total Metric Tons of CO₂e:		2,129,990
Recyclable Waste Embodied Emissions:	47,251 tons	228,676
Community Air Travel:	8,758,375 gal.	84,404