2008/2009
Alachua County Government
Greenhouse Gas Emissions Inventory

Prepared by

Alachua County Environmental Protection Department

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1.0 Executive Summary

This document presents an inventory of calendar years 2008 and 2009 Greenhouse Gas (GHG) emissions for Alachua County government operations performed by the Alachua County Environmental Protection Department (ACEPD). The inventory includes best available GHG emissions estimates associated with departments under the authority of the Alachua County Board of County Commissioners (BoCC) as well as all Constitutional Officers (Sheriff, Tax Collector, Clerk of Court, Property Appraiser, Supervisor of Elections, State Attorney and Public Defender). GHG emissions are reported as tons of carbon dioxide equivalent emissions (CO_2e) consistent with the protocols of the Local Governments for Sustainability (ICLEI) Clean Air and Climate Protection Software (CACP).

In 1999, Alachua County joined the ICLEI - Local Governments for Sustainability, Cities for Climate Protection Campaign and established a goal to inventory GHG emissions, develop a local action plan for GHG reductions and to implement and monitor progress on reducing GHG emissions. In 2001, ACEPD completed an inventory of 1998 and estimated 1990 emissions as part of this ICLEI commitment and the County established a goal of a 20 percent reduction in GHG emissions from 1990 levels by the year 2010. In December 2008, the Alachua County Energy Conservation Strategies Commission (ECSC) recommended that the County "develop the capacity within Alachua County government to measure and evaluate Greenhouse Gas Emissions, emissions reductions and scoping of lands (public & private) for offset potential." The GHG inventory included in this report fulfills the County's ICLEI commitment to periodically measure progress toward achieving the County's GHG reduction goal and is consistent with the recommendations of the ECSC.

To assess the progress toward meeting the GHG reduction goal, results of the 2008 and 2009 inventories were compared to the previous GHG inventories for Alachua County government completed for calendar years 1998 and 1990. Alachua County Government total GHG emissions for calendar years 2008 and 2009 were 27,783 and 26,502 tons CO_2e respectively. In 2009, the Buildings and Facilities sector accounted for 15,004 tons CO_2e (57 percent) compared to 16,224 tons CO_2e (58 percent) in 2008. The 2009 Vehicle Fleet sector accounted for 8,676 tons CO_2e (33 percent) compared with 8,592 tons (31 percent) in 2008. Streetlights & Traffic Signals in 2009 accounted for 2,592 tons CO_2e (10 percent) compared with 2,735 tons (10 percent) in 2008. Solid Waste and Water Delivery Facilities combined accounted for less than 1 percent of the combined total CO_2e emissions in 2008 and 2009. Biogenic CO_2e emissions from renewable biodiesel fuel use in the Vehicle Fleet sector are not included in the 2008 (505 tons) and 2009 (519 tons) total GHG emissions for the County according to ICLEI protocols.

To allow an accurate comparison based on similar scopes, the total GHG emissions for Alachua County government operations from the 2008 and 2009 inventories were adjusted prior to comparison with the 1998 and estimated 1990 inventories. Adjusted 2009 GHG emissions were

5 percent lower than 2008 levels, 14 percent higher than 1998 levels and approximately 9 percent higher than 1990 levels. Significant reductions in building energy usage and GHG emissions were observed for several of the largest buildings/facilities during the 1998-2009 time period.

By comparing the adjusted inventories, it becomes evident that the increased total GHG emissions in the 2008 and 2009 inventories as compared to the previous 1998 and 1990 inventories, are primarily attributed to increases in electrical energy use from a larger number of County buildings/facilities and increases in fuel usage associated with County waste hauling operations and increased road paving operations since 1999. The 2009 inventory indicates continued progress toward lowering of GHG emissions from building/facility sources as compared to 2008 data and shows a decreasing rate of GHG emission growth from the vehicle fleet sector. A decrease of 7 percent in GHG emissions from building/facility sources is noted between 2008 and 2009 with only a 1 percent increase in vehicle fleet emissions. A 5 percent reduction in total GHG emissions from all sectors is shown from 2008-2009. Recommendations for continued reduction in GHG emissions for County operations are also provided in this report.

2.0 Inventory Results

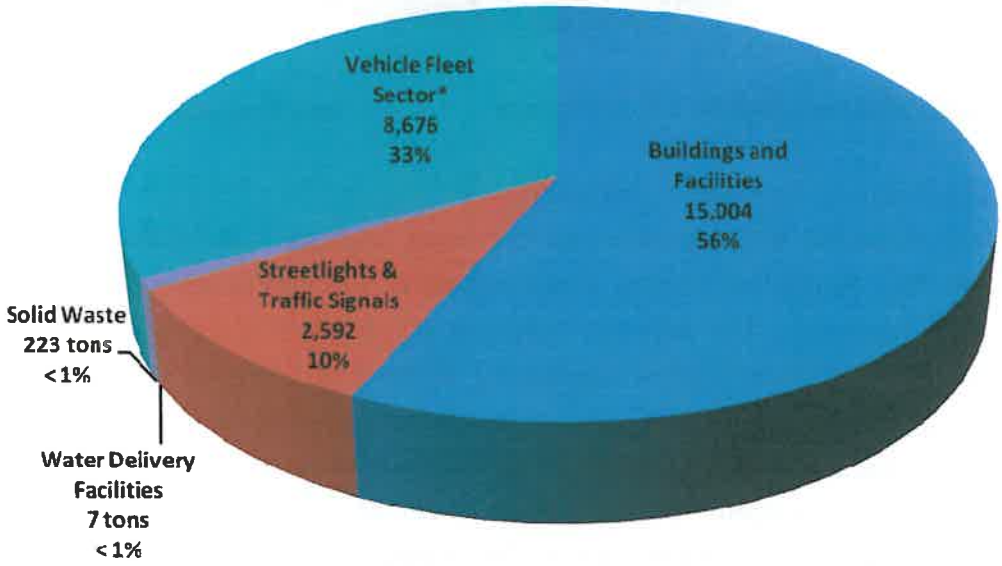
The individual buildings and facilities that were included in the 2009 inventory along with their total energy measured and GHG emissions in terms of CO_2e are listed in **Appendix A**. There were a total number of 76 building/facilities included in the full 2009 inventory. Appendix A also lists the GHG emissions from street lights in the County's unincorporated area and other signals, beacons and lights as a separate category. **Appendix B** provides a breakdown of the vehicle types and 2009 fuel consumption for vehicles assigned to each department or office along with their GHG emissions in terms of tons of carbon dioxide. The total gallons of biodiesel fuel use are documented in Appendix B. As per ICLEI inventory protocol, biogenic CO_2 emissions from renewable biodiesel fuel use is not included in the total CO_2 emissions as these are not representative of non-renewable fossil-fuel combustion. **Appendix C** provides data and graphs from the 2008 Alachua County Government inventory for comparison. In this inventory, emissions are aggregated and reported in terms of equivalent carbon dioxide units, or CO_2e. Converting all emissions to equivalent carbon dioxide units allows for the consideration of different greenhouse gases in comparable terms, while recognizing that carbon dioxide (CO_2) is the most pervasive greenhouse gas in the environment.

2.1 GHG Emissions by Sector

In calendar years 2008 and 2009, Alachua County's government operations emitted approximately 27,783 and 26,502 tons of CO_2e respectively. As shown by **Figure 1**, 57 percent of 2009 emissions were generated as a result of energy use in the Buildings and Facilities sector.

The County's Vehicle Fleet sector (inclusive of fuel used for small utility vehicles like lawn mowers, generators, and other powered equipment), was the second major contributor in 2009 accounting for 33 percent of the total CO_2e emissions. Streetlights and Traffic Signals contributed 10 percent and Solid Waste and Water Delivery Facilities contributed minimally (1 percent or less) to the overall CO_2e emissions. A small portion (4 percent) of the GHG emissions for the Streetlights and Traffic Signals sector is obtained from available direct meter measurement of electrical usage from traffic signals, street lights and beacons. The major percentage (96 percent) of the GHG emissions for the Streetlights and Traffic Signals sector is based on non-metered electrical usage values obtained from Gainesville Regional Utilities that are associated with an inter-local agreement with Alachua County for streetlights along roads in the unincorporated area of Alachua County. The electricity usage information obtained from GRU appears to be an estimate of average usage linked to the number of street lights. As indicated in Appendix C, Figure C-1, 2008 breakdowns by sector are not significantly different than those demonstrated in Figure 1.

Figure 1: 2009 GHG Emissions by Sector (tons CO_2e) Alachua County Government



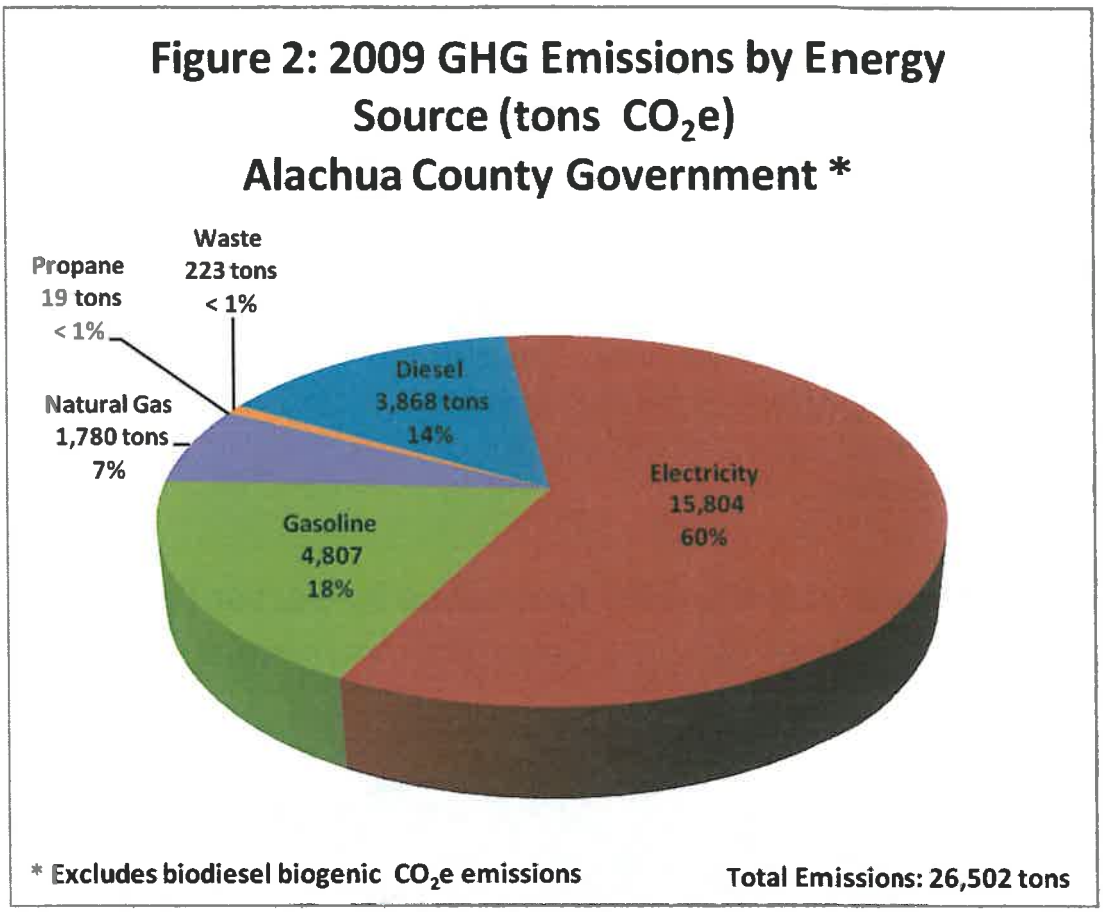
* Excludes biodiesel biogenic CO2 emissions

Total Emissions: 26,502 tons

2.2 GHG Emissions by Energy Source

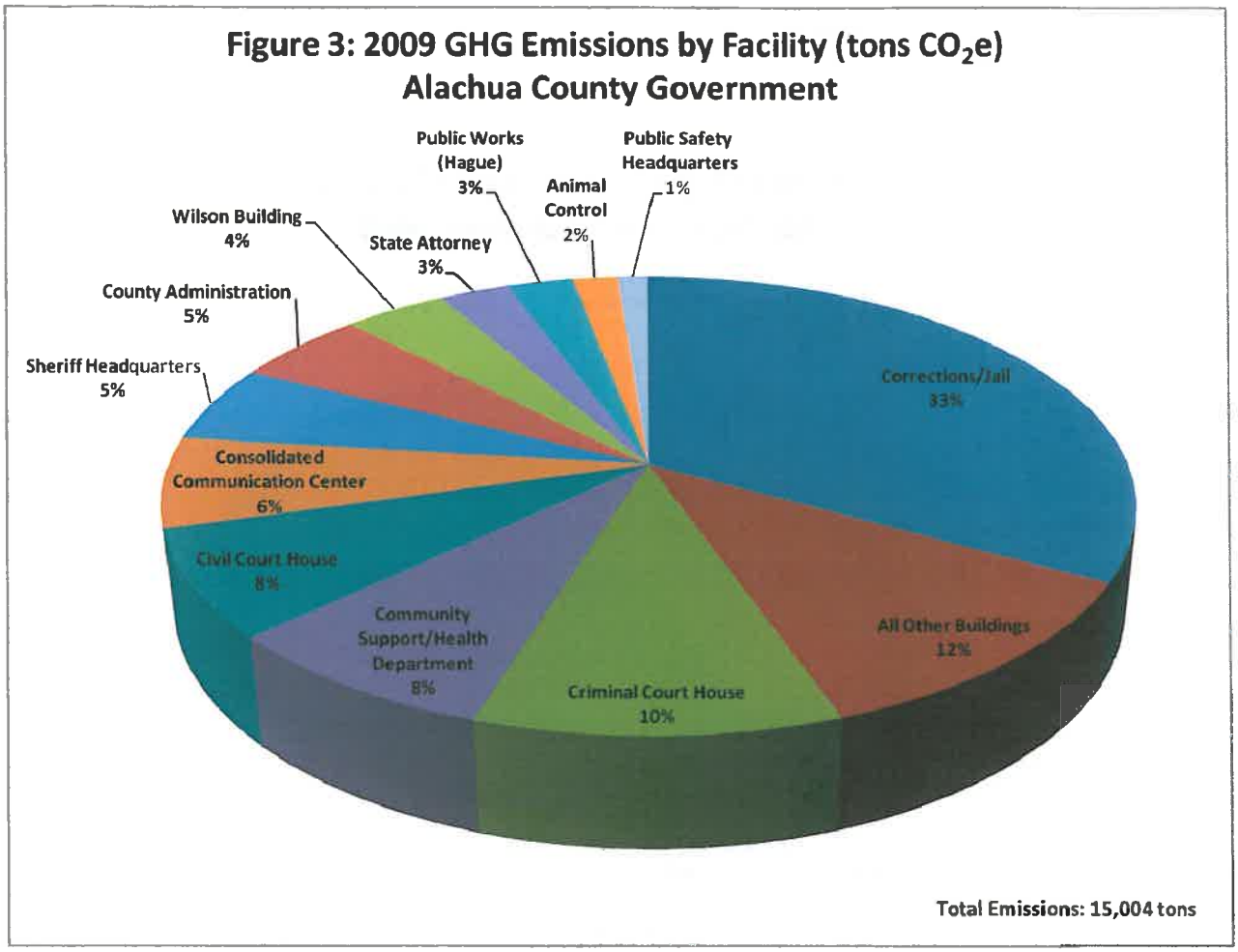
Figure 2 displays the breakdown of Alachua County Government GHG emissions by energy source in 2009. Consumption of electricity is the largest source of CO_2e emissions (60 percent), followed by gasoline (18 percent), diesel fuel (15 percent), natural gas (7 percent), propane

(less than 1 percent) and waste (less than 1 percent). As indicated in Appendix C, Figure C-2, 2008 breakdowns by source are not significantly different than those shown in Figure 2.



2.3 GHG Emissions by County Facility

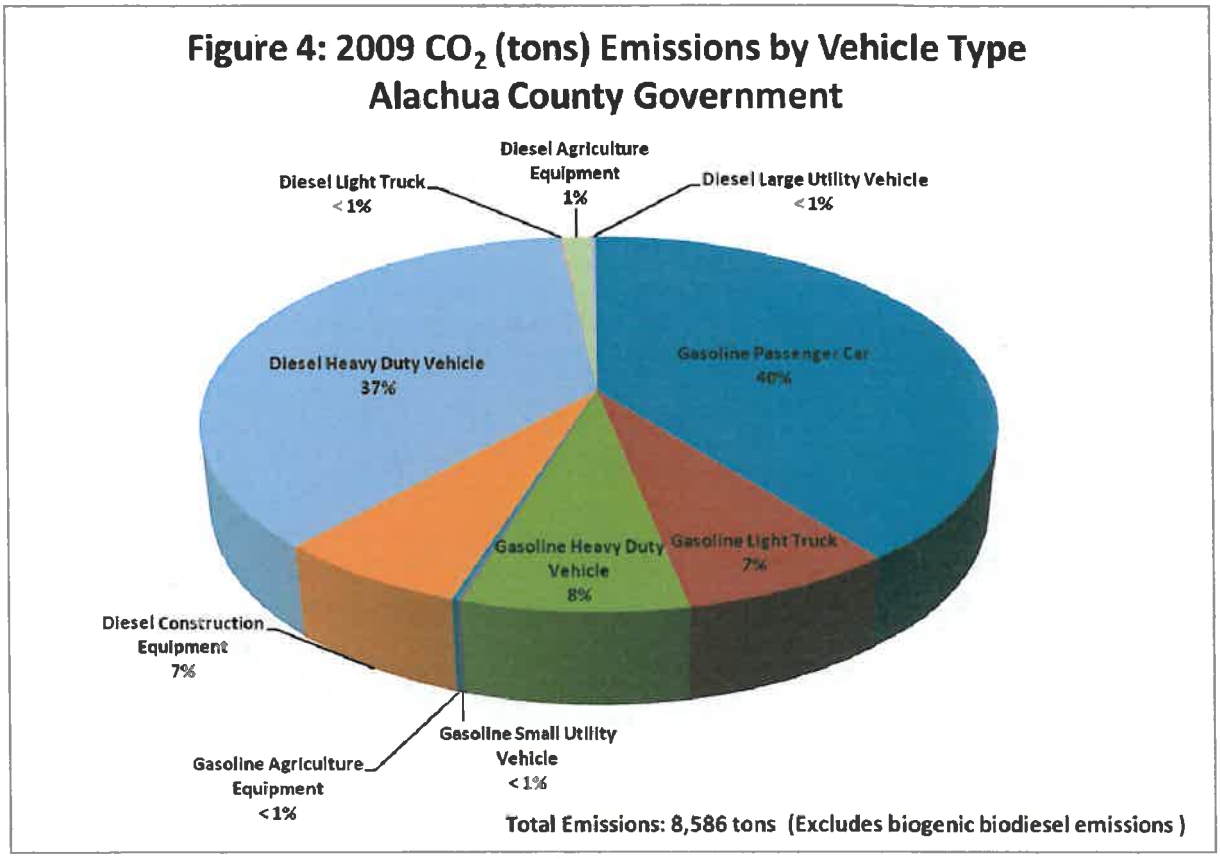
Figure 3 below shows the GHG emissions for the major sources in the Building and Facilities sector in 2009. The Corrections Facility (Alachua County Jail) was responsible for the largest amount of CO_2e emissions (33 percent) followed by, Criminal Courthouse (10 percent), combined Community Support/Health Department Building (8 percent), Civil Court House (8 percent), Consolidated Communication Center (6 percent), Sheriff Headquarters (5 percent), County Administration Building (5 percent), Wilson Building (4 percent)(includes Court Services and ITS), Public Works (3 percent), State Attorney (3 percent), Animal Control (2 percent) and Public Safety Headquarters (1 percent) and All Other Buildings (12 percent). A breakdown of emissions by all inventoried buildings and facilities is provided in **Appendix A**. As indicated in Appendix C, Figure C-3, 2008 breakdowns by Facility are not significantly different than those shown in Figure 3.



2.4 Carbon Dioxide Emissions by Vehicle Type

Figure 4 depicts the carbon dioxide emissions based on the breakdown of fuel used by vehicle type (Gasoline Passenger Car, Diesel Light Truck, Gasoline Light Truck, etc.) as reported by Alachua County's Fleet Management and Constitutional Officers. Total vehicle fleet emissions amounted to 8,586 tons of CO_2 for the year 2009. This does not include the biogenic emissions from renewable biodiesel fuel use (519 tons CO_2). Gasoline Passenger Cars were the largest contributor (40 percent), followed by Diesel Heavy Duty Vehicle (37 percent), Gasoline Heavy Duty Vehicle (8 percent), Gasoline Light Truck (7 percent), Diesel Construction Equipment (7 percent), Diesel Agriculture Equipment (1 percent), Diesel Large Utility Vehicle (<1 percent), Diesel Light Truck (<1 percent), Gasoline Agricultural Equipment (<1 percent) and Gasoline Small Utility Vehicle (<1 percent). The Diesel Heavy Duty Vehicle category includes the emissions from the waste hauling diesel trucks taking waste from the County's Transfer Station to the out-of-county New River Landfill and emissions from the Public Safety's Fire/Rescue trucks and ambulances. Because data was not available on the types of vehicles in use by Alachua County's Sheriff's Office, all of the gasoline fuel consumed by this entity was assigned

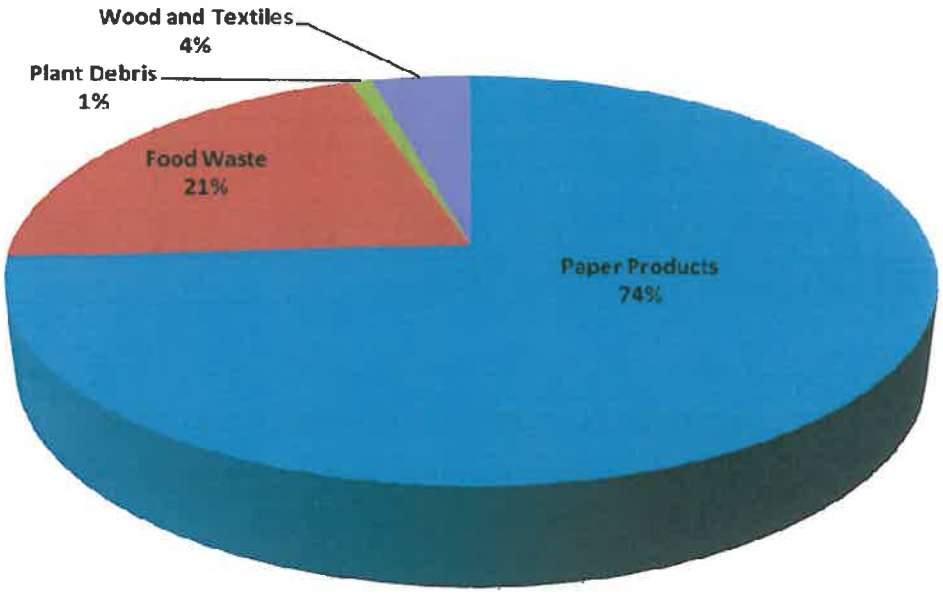
to the "Gasoline Passenger Car" category as per standard ICLEI protocol. As indicated in Appendix C, Figure C-4, 2008 breakdowns by vehicle type are not significantly different than those shown in Figure 4.



2.5 GHG Emissions by Solid Waste Type

Figure 5 shows the breakdown of the CO_2e emissions generated from the estimated tons of solid waste generated from Alachua County government's operations. The total GHG emissions of 223 tons CO_2e shown in Figure 5 is calculated from the estimated solid waste tonnage from County government operations only. The specific composition of County government's waste stream was not available. For the purpose of this inventory the specific composition was based on the available data for the entire Alachua County solid waste stream. The paper products category in Figure 5 was the largest contributor (74 percent), followed by food waste (21 percent), plant debris (1 percent), and wood/furniture/textiles (4 percent). Other waste, such as metal, plastic, glass, etc. was not included in the inventory. As indicated in Appendix C, Figure C-5, 2008 breakdowns by Solid Waste are not significantly different than those shown in Figure 5.

Figure 5: 2009 GHG Emissions from Solid Waste (tons CO_2e) Alachua County Government



*Other waste such as metals, plastics, glass, etc. are not included

Total Emissions: 223 tons

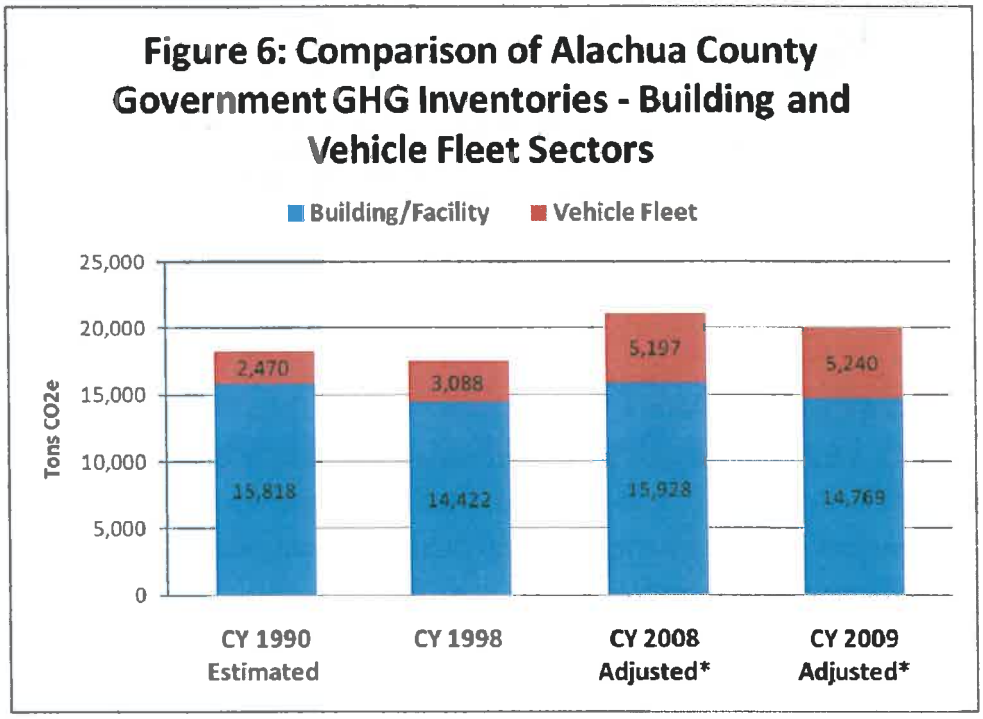
3.0 Inventory Comparison

In 2001, the BoCC established a goal for Alachua County to reduce GHG emissions by 20 percent from 1990 levels by the year 2010. Also in 2001, ACEPD completed a GHG Inventory for Alachua County governmental operations and the entire Alachua County Community, for the year 1998 including an estimated 1990 inventory.

To assess the progress that Alachua County government operations have made toward reducing GHG emissions and achieving the 20 percent reduction goal from 1990 levels, 2008 and 2009 GHG emissions from the Building/Facilities sector and the Vehicle Fleet Sector were compared to the equivalent sector emission values from the 1998 and estimated 1990 inventories. Emissions from the Solid Waste sector are small and could not be accurately compared from 2008 and 2009 inventories to earlier inventories due to differences in data procedures with the earlier inventories. Adjustments were necessary in the 2008 and 2009 inventories to allow a more accurate comparison to the earlier inventories due to differences related to what buildings/facilities and energy sectors were or were not included in each inventory. The adjustments and assumptions made for this comparison are summarized in **Appendix D.** The comparison of total GHG inventories from 1990 estimated, 1998, 2008 adjusted, and 2009 adjusted is provided in **Table 1** and depicted graphically in **Figure 6**.

Table 1: Comparison of Alachua County Government GHG Inventory for Building and Vehicle Fleet Sectors (Estimated 1990, 1998, 2008 and Estimated 2009)

Sectors	CY 1990 Estimate	CY 1998	CY 2008 Adjusted*	CY 2009 Adjusted*	% Change 1990-2008	% Change 1990-2009	% Change 1998-2008	% Change 1998-2009	% Change 2008-2009
Building/Facility	15,818	14,422	15,928	14,769	0.7%	-6.6%	10%	2%	-7%
Vehicle Fleet	2,470	3,088	5,197	5,240	110%	112%	68%	70%	1%
TOTAL	18,288	17,510	21,125	20,009	15.5%	9.4%	20.6%	14.3%	-5%
* 2008 and 2009 data adjusted for comparison with 1998 data.									



As indicated in **Table 1**, there is a 9.4 percent increase in overall GHG Emissions in the combined Building/Facility and Fleet sectors between 1990 and 2009. Comparing the estimated 1990 and the 2008 inventories, there appears to be a 15.5 percent increase in emissions. The lower percent increase associated with the 2009 data appears to be a result of energy reduction improvements implemented in County facilities during the 2008 and 2009 time period. The comparison of the Building/Facility sector emissions between 2008 and 2009 shows an overall 7 percent decrease in GHG emissions. Table 1 and Figure 6 indicate that the greatest contributing sector to the increased GHG emissions in the 1990 to 2009 time period is the Vehicle Fleet sector.

3.1 Buildings and Facilities Sector

As indicated in **Table 1** and **Figure 7** below, GHG emissions associated with the Building/Facility sector decreased by 6.6 percent from 1990 to 2009. When compared to the 1998 inventory, the adjusted 2009 inventory shows a 2 percent increase in the Building/Facility sector. Using the adjusted 2008 data for comparison with 1998 shows a 10 percent increase in GHG emissions for this same sector. There was an increase in the number of buildings/facilities between 1998 and 2009. The adjusted 2009 inventory includes 52 buildings/facilities while the 1998 inventory includes 42 buildings/facilities. Several significant county facilities were added during the decade from 1998 to 2008 including the Criminal Court House, the new Community Support Services and Health Department Building, and the Consolidated Communication Center. Other smaller facilities and leased facilities were added and facility modifications/expansions were also implemented in this decade. The fact that there is only a modest increase in GHG emissions from the Building/Facilities sector during the period from 1998 to 2009 while several significant new buildings have been added to the County inventory indicates that the energy reduction efforts implemented in county operations have reduced the rate of increase in GHG emissions. This is demonstrated by the 24 percent decrease in emissions from existing buildings during this time period.

Figure 7: Comparison of Alachua County Government GHG Emissions Buildings/Facilities Sector (CO_2e tons)

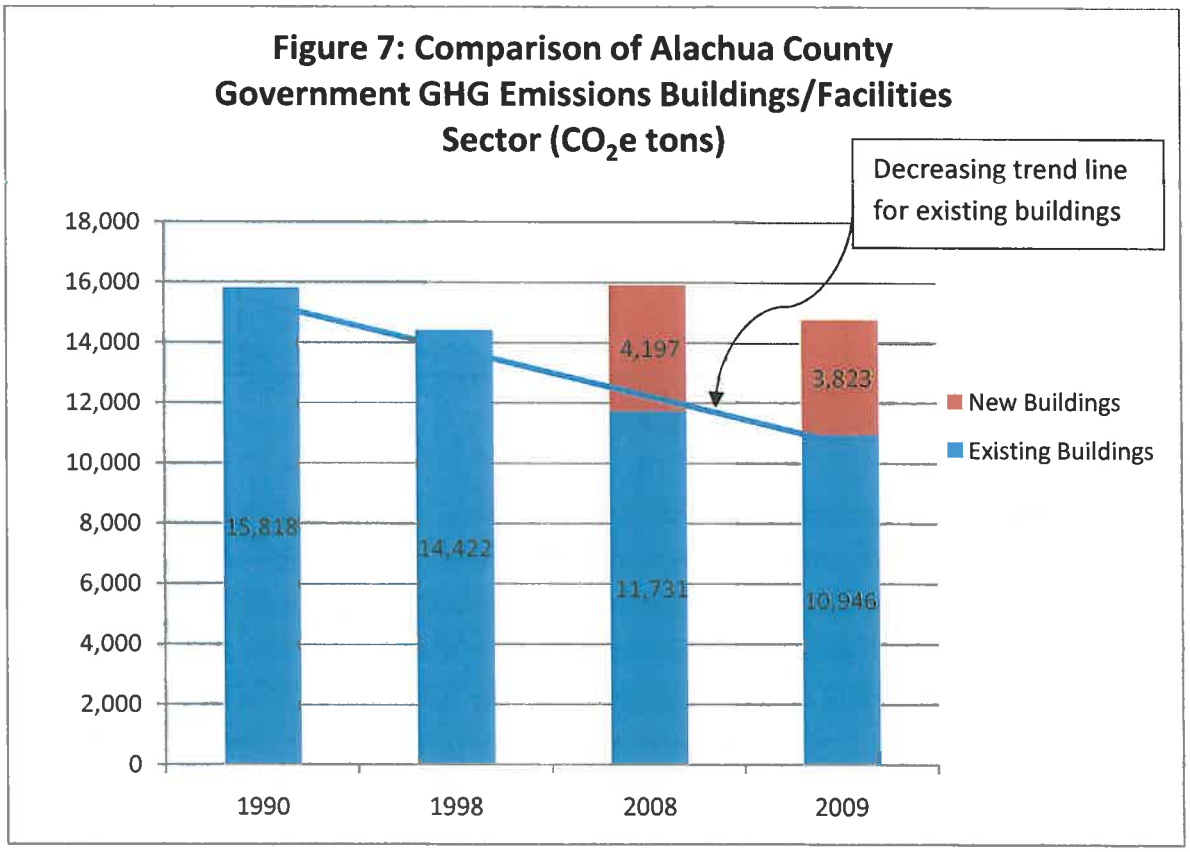


Table 2 provides a comparison of 2008 and 2009 GHG emissions with emissions data from 1998 for those buildings/facilities that contributed greater than 200 tons CO_2e in 2008. (Individual building information from 1990 was not available.) The Corrections/Jail facility shows a 26 percent decrease in CO_2e emissions for the 1998 to 2008 time interval and a 31 percent decrease for 1998 to 2009. Public Safety Headquarters shows a 52 percent reduction in emissions from 1998 to 2008 and a 62 percent reduction from 1998 to 2009. Additional significant reductions in the 1998 to 2009 time period include the County Administration Building (28 percent), State Attorney building (24 percent), Sheriffs Headquarters (21 percent) and Wilson Building (18 percent). These reductions are attributed to the major energy efficiency efforts that have taken place over the last decade at these facilities. The 183 percent and 124 percent increases in emissions from 1998 to 2008 and 2009 respectively for the Community Support Services/Health Department are likely due to the consolidation of several smaller offices into a new, larger facility since 1998.

Table 2: Comparison of County Buildings/Facilities emissions for 1998, 2008, 2009

Building/Facility Name	Emissions Tons CO_2e					
	Year 1998	Year 2008	Year 2009	% change 1998-2008*	% change 1998-2009*	% change 2008-2009*
Corrections/Jail	7152	5260	4,963	-26	-31	-6
Civil Court House	1155	1349	1,130	17	-2	-16
Criminal Court House	na	1651	1,545	na	na	-6
Community Supp./Health Dept.	542	1533	1,215	183	124	-21
County Admin	1105	1010	787	-9	-29	-22
Consolidated Comm. Center	na	933	957	na	na	3
Sheriff Headquarters	1031	787	818	-24	-21	4
Wilson Building	746	617	610	-17	-18	-1
State Attorney	546	432	417	-21	-24	-3
Public Works	365	416	392	14	7	-6
Animal Control	194	274	268	41	38	-2
Public Safety Headquarters	458	221	173	-52	-62	-22

*negative % change indicates reduction in GHG emissions
na=not available for this time period due to new building

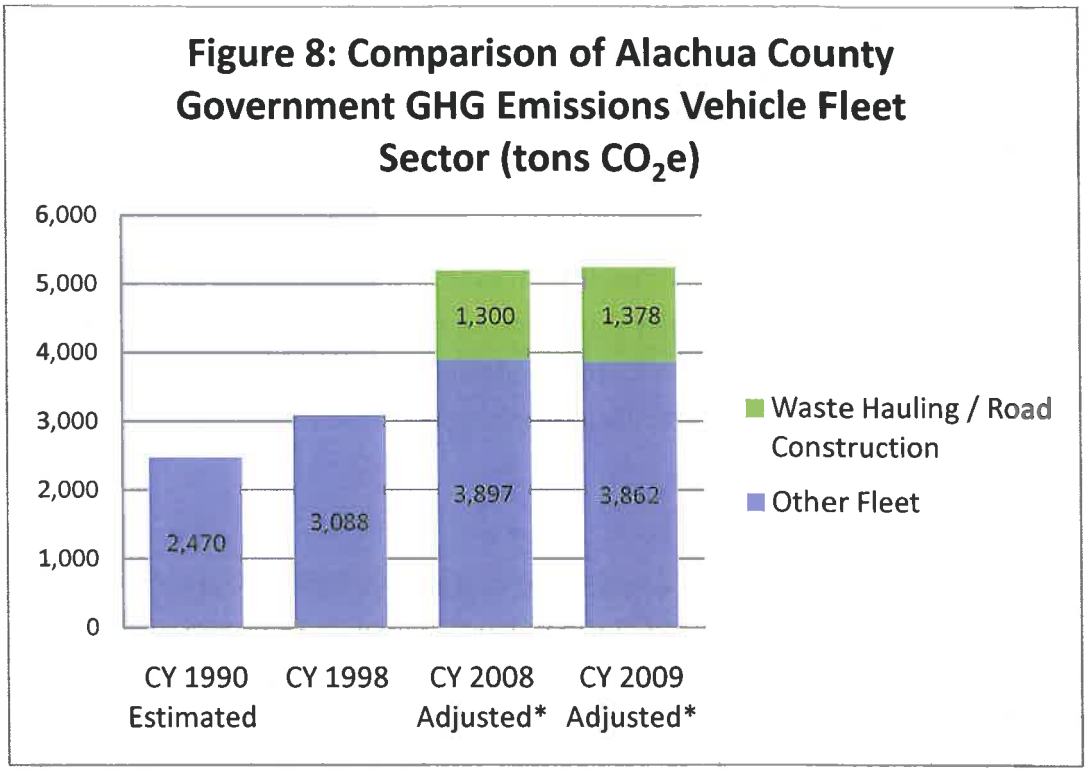
The comparison of inventories has indicated progress in the building/facilities sector in implementing energy efficiency improvements that have reduced GHG emissions for certain buildings/facilities. However, the comparison also indicates that overcoming the increased emissions associated with growth will continue to be a challenge in this sector and illustrates the importance of continuing to apply aggressive energy reduction strategies in the future. The Alachua County Energy Conservation Strategies Commission in their December 2008 report made numerous recommendations for reducing the carbon footprint of the Alachua County community and government. It is apparent that Alachua County has already implemented a

significant program for reducing energy in its buildings and facilities sector. A few suggested strategies for continued improvement in this building sector include:

- Continue emphasis on building energy reductions through energy efficiency upgrades, and improved energy systems controls;
- Implement improved tracking of energy usage in the building and facilities sector through automation and use of tools such as Utility Manager Software;
- Adopt rigorous energy efficiency standards for new County buildings and facilities;
- Evaluate possible reductions in County building space to reduce energy demand;
- Take into account GHG impacts when planning for capital improvements in the building sector.

3.2 Vehicle Fleet Sector

The Vehicle Fleet sector has seen a considerable overall increase in CO_2e emissions since 1998. A 70 percent increase in Total Fleet CO_2e emissions between 1998 and 2009 is indicated in **Table 1** and **Figure 8** below. Table 1 shows a 112 percent increase in vehicle fleet emissions between 1990 and 2009. Some of this increase may be attributable to differences in vehicle fleet emission calculation procedures between those used in the 1990 and 1998 inventories as compared to the 2008 and 2009 inventories (see Appendix D), however, discussions with County Fleet management have indicated that the observed increase is likely due to actual increased fuel consumption during this period. It is possible that the increase in overall GHG emissions is due to an increase in the number of county fleet vehicles during the 1998 to 2009 period. It was not possible to accurately quantify the exact increase in the number of fleet vehicles and equipment. Recent changes to County Fleet and Vehicle policies have emphasized a reduction in the number of County vehicles, and recent data has indicated that this reduction has occurred. Discussions with County Fleet management have indicated that one likely major contributor to the increase in fuel usage from 1998 to 2009 is the addition of the County waste hauling heavy diesel vehicles (tractor trailers) in 1999. During that year, Alachua County began hauling solid waste in as many as 10 trucks per day for 3-4 trips each from the Leveda Brown Environmental Park and Transfer Station to a landfill in Union County. Previous waste hauling was handled by private companies to the Archer Landfill with little impact on County fuel usage. Additionally, during this time period, the County has undertaken road re-paving activities that have increased the use of heavy trucks and diesel construction equipment and resulted in an increase in diesel fuel usage. It is estimated that 64 percent of the total increase in GHG emissions between 1998 and 2009 is attributable to the increased fuel used for waste hauling and road construction vehicles.



The comparison of inventories has indicated that a significant increase in fuel usage (especially diesel fuel) has occurred during the 1990 to 2009 time period due to the additional tractor trailer vehicle miles associated with the County's decision to haul garbage to New River Landfill in Union County from the Leveda Brown Transfer Station located on Waldo Road. Continued emphasis on reducing fuel usage should be a priority for County operations if progress is to be made toward achieving GHG reduction goals. The Alachua County Energy Conservation Strategies Commission in their December 2008 report made several recommendations directed toward reducing the carbon footprint from vehicles of the Alachua County community and government. Alachua County Fleet management has implemented programs to reduce the size of the County's fleet, improve the energy efficiency of vehicles purchased and the use of hybrid vehicles. A few suggested strategies for continued improvement in this vehicle sector include:

- Continue energy reduction and efficiency improvements in current county fleet vehicles;
- Increase use of alternate fuels such as natural gas and biofuels and hybrid vehicles;
- Continue to regularly evaluate and right-size the number of County fleet vehicles;
- Increase use of teleconferencing, telecommuting and ride sharing to reduce vehicle trips;
- Consider GHG impacts as well as costs when planning for future vehicles and fuel strategies;
- Reduce the amount of out-of-county solid waste disposal.

3.3 Waste and Streetlights Sectors

The unadjusted GHG emissions from the Solid Waste Sector in 2009 were estimated at 223 tons CO_2e. The 2009 Solid Waste GHG emissions contribute less than 1 percent to the total GHG inventory and are not a significant factor when evaluating the achievement of GHG reduction goals. It was not possible to accurately compare the 2008 and 2009 Solid Waste sector emissions with the earlier 1990 and 1998 inventories due to the lack of information on the assumptions and methodology used in the earlier inventories. (See Appendix D.) The 1990 and 1998 inventories reported a Solid Waste sector emissions value of 25 tons and 19 tons CO2e respectively. After adjustment of the 2009 inventory to eliminate the solid waste from Constitutional Officers operations (which were not believed to have been included in the earlier inventories), the 2009 Solid Waste emissions are 75 tons CO_2e which correspond to a 295 percent increase from 1998 and a 200 percent increase from 1990. While some increase in County government solid waste tonnage and corresponding emissions could be expected due to the increase in the size of County government and number of County buildings during the decade from 1998 to 2009, the significant percent increase observed between the 1998 and 2009 inventories is not believed to be an accurate estimate of actual increases due to the issues with the data assumptions as described above and in Appendix D.

Emissions from the Streetlight sector appear to be a significant percentage of the 2009 emission inventory (approximately 10 percent). Comparison of the GHG emissions from the Streetlights sector and other sectors such as Water Delivery Facilities between the 2009 and 2008 and the previous inventories could not be performed since these sectors do not appear to have been inventoried in 1990 and 1998.

While the Solid Waste sector is a small component of the Alachua County Government GHG Inventory, continued improvement in reducing the volume of solid waste generated by County facilities that winds up in solid waste landfills is important in reducing costs and helping to achieve GHG reduction goals. Because the Streetlights sector appears to be a potentially significant contributor (approximately 10 percent) to the 2009 GHG emissions inventory for Alachua County government, improvements and reductions in energy usage from this sector are important going forward if GHG reduction goals are to be met. Alachua County has implemented several programs to reduce generation of waste paper through recycling and paper reuse initiatives within County operations and the community. The Alachua County Energy Conservation Strategies Commission (ECSC) in their December 2008 report made numerous recommendations for reducing the carbon footprint of the Alachua County community and government in the areas of better solid waste management and in reducing energy usage from streetlights. A few suggested strategies for continued improvement in the Solid Waste and Streetlights sectors include:

- Increase the percentage of County solid waste that is diverted from the landfill through recycling and reuse strategies
- Develop capabilities to reduce food waste through anaerobic digestion and use of generated methane for energy;
- Replace streetlights and traffic lights with higher efficiency Light Emitting Diode (LED) lighting;
- Re-evaluate street lighting policy and consider reducing number of street lights in unincorporated area consistent with public safety;
- Review inter-local agreement with GRU on streetlights.

4.0 Conclusions and Recommendations

This inventory marks an important step in the County's continuing efforts towards achieving its goals of reducing its contribution to climate change and providing an effective management of resources. Updating the GHG Inventory increases the ability of the County to make informed decisions regarding energy efficiency measures by reducing uncertainty in the decision making process with regards to effectiveness and efficiency of County operations, especially energy efficiency efforts. Utilized in conjunction with utility and resource management systems and forthcoming annual inventories, this inventory can provide a continually updated baseline of energy and emissions data that can be used to provide forecasts for the future and accountability for past energy efficiency efforts.

The 2008 and 2009 inventories have built a stronger foundation and capacity for completing more accurate inventories in the future. The 2009 Inventory is an important document that allows evaluation of the GHG reduction goal set in 2001 which uses 2010 as it target year. The Alachua County ECSC recommended that the County develop an organizational capacity to measure and evaluate GHG emissions.

In order to maintain the information infrastructure needed to accurately complete this type of inventory and to provide up to date information for various projects, it is recommended that the Alachua County government GHG inventory be performed annually if possible. With the implementation of the recently acquired Utility Manager software by the County, centralization and automation of a large portion of the necessary electricity usage data for such a project is ready and available. Enhancements and improvements in the ability to acquire Fleet fuel usage information in an efficient and less labor intensive manner will need to be emphasized through automated systems developed in cooperation with the County's Information Technology Department. A more consistent approach to estimating the volume of solid waste generated by County operations will need to be investigated in cooperation with the Alachua County Solid Waste Division. Continued cooperation from all County and Constitutional Officer

Departments and offices to work with the ACEPD GHG inventory team will be needed in order to update this inventory in the future.

ACEPD is currently conducting the next phase of this inventory process which will involve the completion of a community-wide inventory for the Alachua County community. This 2009 Community inventory will provide an indication of GHG emissions from electrical usage, fuel usage by vehicle miles traveled, and the community's waste stream in Alachua County.

Alachua County Environmental Protection Department will collaborate with local municipalities and the Climate Community including ICLEI- Local Governments for Sustainability, University of Florida, the City of Gainesville, and the private sector to share analytical techniques and methodologies, with the goal of ensuring consistency in approaches used to quantify and report GHG emissions.

5.0 Acknowledgements

ACEPD acknowledges the help and cooperation received from multiple departments and offices within Alachua County government including the Constitutional Officers that was needed to complete this inventory. In particular, ACEPD especially wants to thank staff from the Facilities Management, Fleet Management, Finance and Administration, Public Works, Information Technology Services, the Office of Management and Budget and the various Constitutional Officers for their assistance in data acquisition, data interpretation and the development of electronic databases. In addition we acknowledge the cooperation and help received from our utility vendors, Gainesville Regional Utilities, Clay Electric, Progress Energy, Central Florida Electric, Florida Power and Light and the City of Alachua who provided historical electrical usage information for this inventory. We want to also thank Ferrellgas, Suburban Propane, Lewis Oil Company, Emerald Waste Services and Waste Pro Gainesville who provided propane, natural gas and waste information.

Appendix A 2009 County Government Building and Facilities Greenhouse Gas Inventory

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO2e (tons)
Administrative Services				
*County Administration	1,114,280		8,765	787
*Star Garage	12,694			8
Main Street Parking Lot	5,148			3
Records Retention	147,560		1,875	108
Clerk of the Court				
Civil Court House	1,596,240		13,080	1,130
Criminal Court House	1,999,768		38,374	1,545
Community Support Services/Health Department				
Community Support/Health Department	1,559,600		31,610	1,215
Community Support Services (New Building)	1,546			1
Cooperative Extension	79,520			52
Partners for Prod. Community 67th Ter.	4,701			3
Partners for Prod. Community SW 20th	487			< 1
Partners for Prod. Community SW 8th - 7048	489			< 1
Court Services Department				
County Day Reporting/Drug Court	132,198		367	89
*Court Srvcs. /Wilson Building (22 NE 1st St.)	884,640			584
Metamorphosis	100,850			67
Metamorphosis Halfway House 1	10,317			7
Metamorphosis Halfway House 2	13,652			9
Department of Public Safety				
*Consolidated Communication Center	1,310,256		15,646	957
Disaster Preparedness Facility	34,923			23
Emergency Medical Team #2	15,528			10
Emergency Medical Team #25	10,622			7
Emergency Medical Team #5	17,724			12
Emergency Medical Team #9	28,428			19
Fire Rescue Headquarters	258,907		373	173
Fire Rescue Station #10	73,700		144	49
Fire Rescue Station #12	56,304	844		42

Appendix A 2009 County Government Building and Facilities Greenhouse Gas Inventory

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO_2e (tons)
Fire Rescue Station #15	45,901			30
Fire Rescue Station #16	95,660	356		65
Fire Rescue Station #17	41,120	256		29
Fire Rescue Station #19	72,324	51		48
Fire Rescue Station #21 (Alachua)	43,610	24		29
Fire Rescue Station #27	56,242	352		39
Fire Rescue Station #31	3,332			2
Fire Rescue Station #8	47,813	1,182		40
Jonesville Fire Rescue Station	36,423	259		26
Department of the Jail				
Corrections/Jail (incl. Work Release)	6,074,780		162,504	4,963
Environmental Protection Department				
**Environmental Protection	81,840			54
Household Hazardous Waste Center	18,591			12
Growth Management				
3 Rivers Building	34,408			23
Administration Annex	108,180			71
Information and Telecommunication Services				
*Wilson Building (26 NE 1ST St.)	39,932			26
Public Defender				
Public Defender	172,970			115
Public Works Department				
Animal Control	219,500		20,952	268
Compost Facility	13,925			9
Copeland Park Well	34			< 1
Earl Powers Park	780			0
Fairbanks Collection	5,875			4
^Farmers Market	9,003			6
Fleet	87,460			58
Forest Park	4,692			3
Grove Park	9			< 1
High Springs Collection	10,125			7
Jonesville Park	20,077			13
Kanapaha Veterans Memorial Park	5,691			4

Appendix A 2009 County Government Building and Facilities Greenhouse Gas Inventory

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO_2e (tons)
Lacrosse Collection	6,924			5
Lochloosa – Restrooms Boat Ramp	2,299			2
Lochloosa-Restrooms Boat Ramp	2,299			2
Marjorie Rawlings Park	216			< 1
Mobile Home	3,592			2
Monteocha	26			< 1
Motor Vehicle Insp.	41,780			28
Owens Illinois Park	19,860			13
PBWK Warehouse	76,649			51
Pheifer Collection	7,520			5
Public Works (Hague)	476,550			315
Public Works Sign Shop	36,526			24
Public Works Wash Rack	3,463			2
Santa Fe Boat Ramp	3,670			2
Santa Fe Mobile Home	14,125			9
SE 35 ST Park	153			< 1
SW Landfill	48,805			32
SW Landfill Trash Compactor	5,924			4
Tools for School	3,617			2
Transfer Station	260,197			171
Transfer Station Scale House	1,317			1
Sheriff				
Sheriff's Fleet Building	36,160		463	27
Sheriff Headquarters	1,117,040		9,109	791
Sheriff's Office 48th Ave	30,995			20
Sheriff's Office 21st Lane	11,104			7
State Attorney				
State Attorney Bldg.	632,044			417
Supervisor of Elections				
Elections Warehouse	73,920			49
Tax Collector				
Tag Agency NW 34th St	87,593			58
Tag Agency SW 35th Blvd	181,600			120

Facilities/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO_2e (tons)
Tourist Development				
Amer. Bank – Tourist Development	10,121			7
Streetlights, Signals and Beacons				
Signals and Beacons	141,313			94
***Unincorporated County Street Lights	3,785,712			2,498

(*) Facility is shared by offices from multiple departments or mixed BoCC department and Constitutional Officer department or State Agency facilities.
(**) Best estimate values from leased facility information utilizing square footage
(***) Estimated average usage provided by GRU
(^) This value only accounts for the electricity used by the buildings on this site and does not include the fixed amount of KWh that are billed each month for outdoor lighting use.
KWH = kilowatt hours
THM= therms
US GAL = U.S. Gallons

Appendix B 2009 County Fleet and Equipment Greenhouse Gas Inventory

Vehicle/Equipment Type	Vehicle/ Equipment Count	Gasoline (gal)	Diesel (gal)	Biodiesel (gal)	Total CO2 (tons)*
Administration Services					
Gasoline Passenger Car	1	89			0.9
Gasoline Light Truck	6	1,449			14.1
Gasoline Heavy Duty Vehicle	15	9229			89.6
Gasoline Small Utility Vehicle	15	451			4.4
Gasoline Agriculture Equipment	1	14			0.1
Diesel Construction Equipment	10		2,045		22.9
Clerk of the Court					
Gasoline Passenger Car	1	41			0.4
Gasoline Light Truck	5	468			4.5
Gasoline Heavy Duty Vehicle	1	169			1.6
Diesel Heavy Duty Vehicle	1		24		0.3
Community Support					
Gasoline Passenger Car	8	561			5.4
Gasoline Light Truck	5	1,304			12.7
Gasoline Heavy Duty Vehicle	1	216			2.1
County Manager/Public Information					
Gasoline Passenger Car	2	210			2.0
Court Services					
Gasoline Light Truck	2	318			3.1
Gasoline Heavy Duty Vehicle	4	3,783			36.7
Environmental Protection					
Gasoline Passenger Car	4	396			3.8
Gasoline Light Truck	7	2,486			24.1
Gasoline Heavy Duty Vehicle	3	2,622			25.4
Gasoline Small Utility Vehicle	2	44			0.4
Growth Management					
Gasoline Light Truck	15	8,323			80.8
Health Department					
Gasoline Passenger Car	12	6,465			62.7
Gasoline Light Truck	9	6,290			61.0
Information Technology					
Gasoline Light Truck	1	135			1.3
Tourist Development					
Gasoline Light Truck	1	386			3.7
Property Appraiser					
Gasoline Light Truck	13	4,135			40.1

Appendix B 2009 County Fleet and Equipment Greenhouse Gas Inventory

Vehicle/Equipment Type	Vehicle/ Equipment Count	Gasoline (gal)	Diesel (gal)	Biodiesel (gal)	Total CO2 (tons)*
Public Safety					
Gasoline Passenger Car	5	946			9.2
Gasoline Light Truck	25	13,305			129.1
Gasoline Heavy Duty Vehicle	12	5,156			50.0
Gasoline Small Utility Vehicle	15	489			4.7
Diesel Heavy Duty Vehicle	45		81,746	14,426	913.8
Diesel Light Truck	1		547	97	6.1
Diesel Agriculture Equipment	1		335		3.7
Public Works					
Gasoline Passenger Car	7	842			8.2
Gasoline Light Truck	44	24,471			237.4
Gasoline Heavy Duty Vehicle	34	47,834			464.1
Gasoline Small Utility Vehicle	40	547			5.3
Gasoline Agriculture Equipment	87	1,371			13.3
Diesel Heavy Duty Vehicle	56		199,397	35,188	2,229.0
Diesel Light Truck	2		317	56	3.5
Diesel Agriculture Equipment	26		10,057		112.4
Diesel Construction Equipment	46		48,782		545.3
Diesel Large Utility Vehicle	6		1,778		19.9
Sheriff**					
Gasoline Passenger Car	NA	329,830			3,200.4
State Attorney					
Gasoline Light Truck	2	1,551			15.1
Gasoline Passenger Car	19	9,729			94.4
Supervisor of Elections					
Gasoline Light Truck	1	359			3.5
Gasoline Heavy Duty Vehicle	1	57			0.5
Tax Collector*					
Gasoline Light Truck	3	524			5.1
Gasoline Passenger Car	1	324			3.1

* The data for these entities was adapted for the 2008 GHG Inventory

**Vehicle Count for Sheriff's Office is not applicable because we are counting a total fuel volume for all vehicles.

Total CO_2 tons does not include total biogenic emissions from biodiesel of 519 tons CO_2.

Appendix C. 2008 County Government GHG Inventory Graphs and Tables

Figure C-1

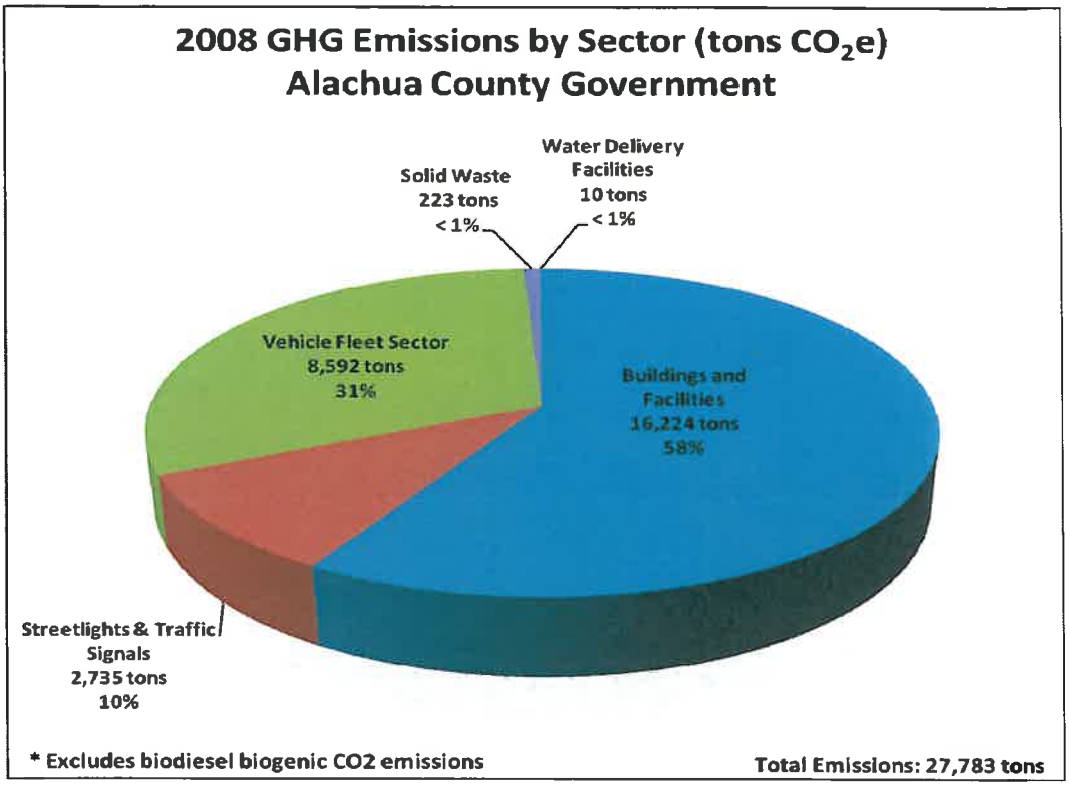
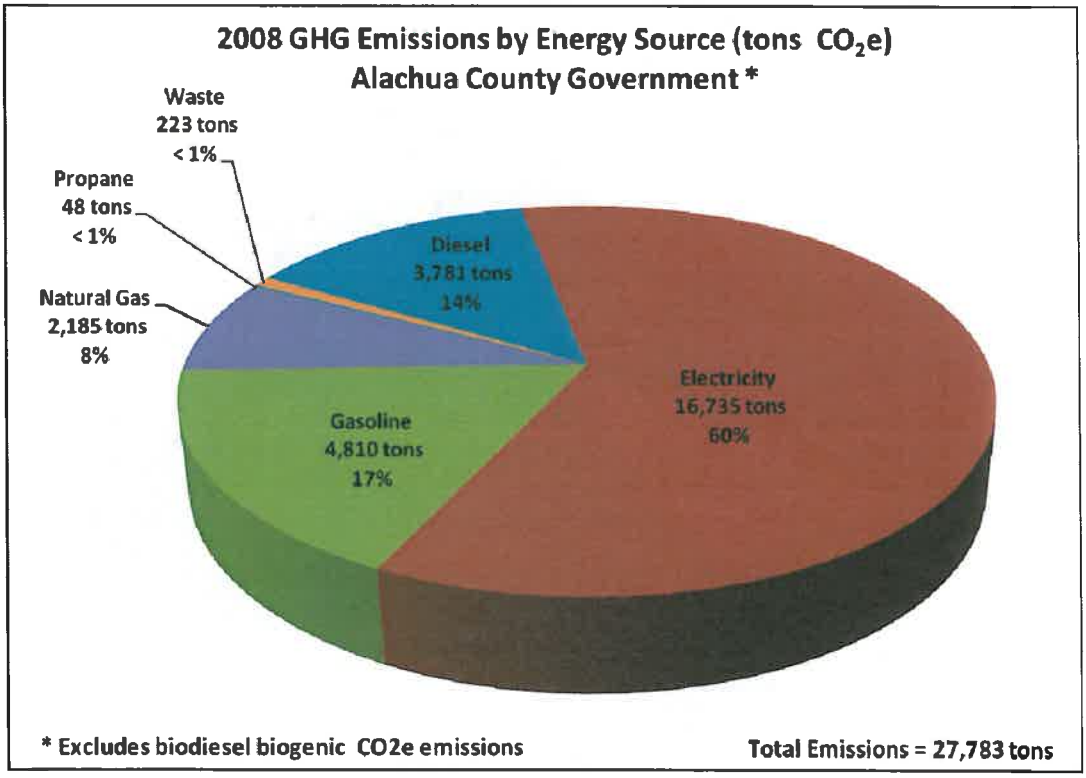


Figure C-2



Appendix C. 2008 County Government GHG Inventory Graphs and Tables

Figure C-3

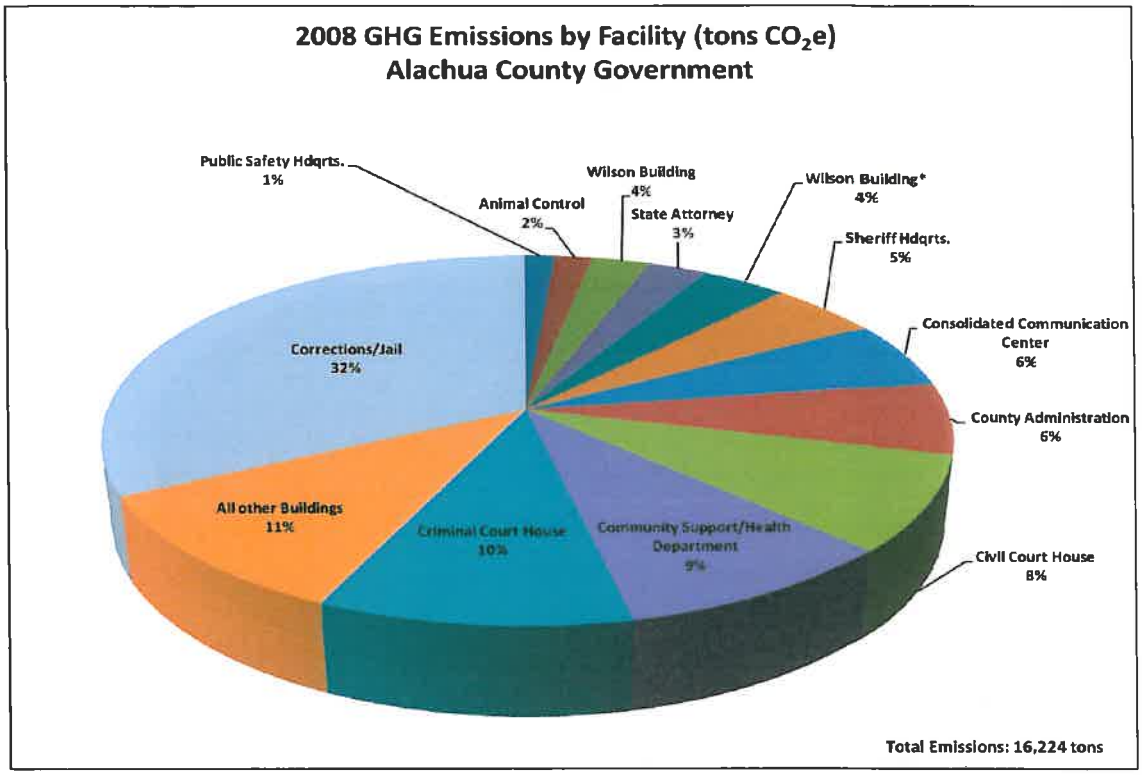


Figure C- 4

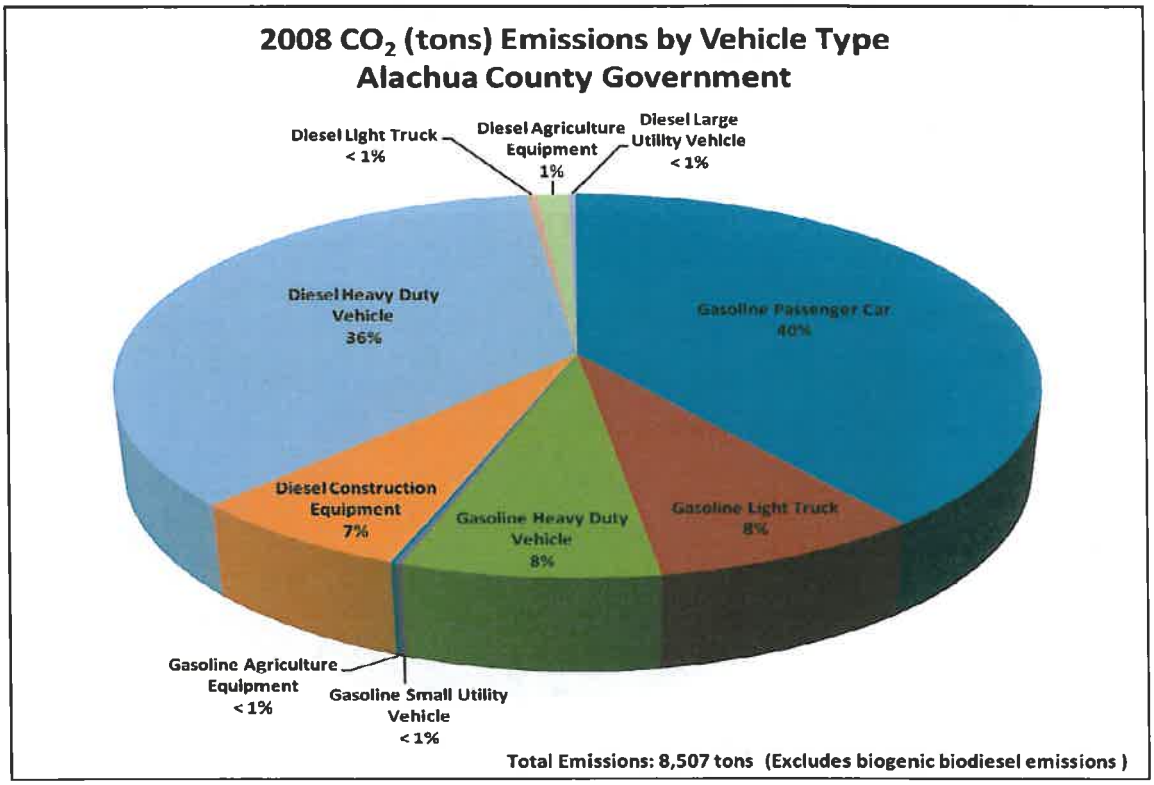
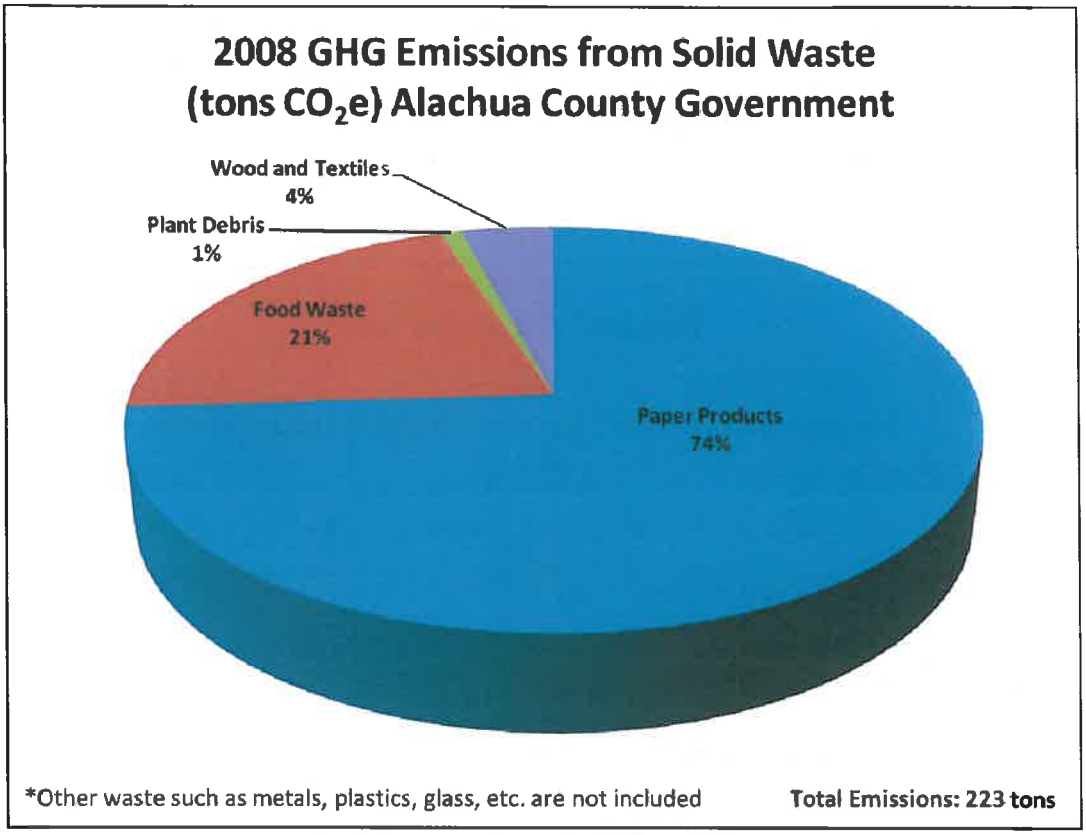


Figure C-5


2008 GHG Emissions from Solid Waste
(tons CO_2e) Alachua County Government
Wood and Textiles
4%
Plant Debris
1%
Food Waste
21%
Paper Products
74%
*Other waste such as metals, plastics, glass, etc. are not included
Total Emissions: 223 tons

Appendix C. 2008 County Government GHG Inventory Graphs and Tables

Table C-1 2008 County Government Buildings and Facilities Greenhouse Gas Inventory

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO2e (tons)
Administrative Services				
*County Administration	1,372,926		17,206	1,010
Records Retention	134,156		2,419	103
Main Street Parking Lot	5,148			3
*Star Garage	16,824			11
Department of the Jail				
Corrections/Jail (incl. Work Release)	6,149,120		202,316	5,260
Community Support Services/Health Department				
Community Support/Health Department	1,857,200		51,697	1,533
Cooperative Extension	91,328			60
Partners for Prod. Community 67th Ter.	9,220			6
Partners for Prod. Community SW 20th	621			< 1
Partners for Prod. Community SW 8th - 6716	747			< 1
Partners for Prod. Community SW 8th - 7048	791			1
Court Services Department				
*Court Srvcs. /Wilson Building (22 NE 1st St.)	891,840			591
County Day Reporting/Drug Court	99,129			66
Metamorphosis	106,145			70
Metamorphosis Halfway House 1	15,522			10
Metamorphosis Halfway House 2	12,291			8
Environmental Protection Department				
**Environmental Protection	81,840			54
Household Hazardous Waste Center	19,285			13
Tourist Development				
Amer. Bank – Tourist Development	11,087			7
Department of Public Safety				
*Consolidated Communication Center	1,279,296		14,481	933
Disaster Preparedness Facility	81,904			54
Emergency Medical Team #2	16,655			11
Emergency Medical Team #5	18,405			12
Emergency Medical Team #8	51,633	1,722		45
Emergency Medical Team #9	27,746			18

Appendix C. 2008 County Government GHG Inventory Graphs and Tables

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO2e (tons)
Fire Rescue Headquarters	330,207		288	221
Fire Rescue Station #15	45,666	1,868		42
Fire Rescue Station #21 (Alachua)	48,028		78	32
Fire Rescue Station #31	3,202			2
Fire Rescue Station #27	54,484	560		40
Fire Rescue Station #10	12,288		60	8
Fire Rescue Station #12	65,094	1,752		54
Fire Rescue Station #16	99,300	1,079		73
Jonesville Fire Rescue Station (#17)	56,915	377		40
Fire Rescue Station #19	70,671	97		48
Public Works Department				
Lake Alto Park	1,440			1
Animal Control	236,952		20,051	274
Compost Facility	13,161			9
Copeland Park Well	28			< 1
Fairbanks Collection	5,513			4
Fleet	87,380			58
Forest Park	6,309			4
Grove Park	12			< 1
High Springs Collection	8,090			5
SW Landfill	52,060			35
Jonesville Park	18,063			12
Kanapaha Veterans Memorial Park	14,482			10
Lacrosse Collection	6,532			4
Lochloosa-Restrooms Boat Ramp	100			< 1
Mobile Home	594			< 1
Motor Vehicle Insp.	48,272			32
Owens Illinois Park	19,327			13
Public Works Sign Shop	37,848			25
PBWK Warehouse	52,420			35
Pheifer Collection	5,264			3
Public Works (Hague)	445,097			295
Marjorie Rawlings Park	298			< 1
Santa Fe Boat Ramp	4,457			3
Santa Fe Mobile Home	15,414			10
Transfer Station Scale House	1,423			1
Transfer Station	358,028			178
SW Landfill Trash Compactor	6,259			4
Earl Powers Park	4,501			3

Facility/Building	Electricity (KWH)	Propane (US Gal)	Natural Gas (THM)	CO2e (tons)
Farmers Market	9,003			6
Lochloosa – Restrooms Boat Ramp	100			< 1
Tools for School	3,015			2
Public Works Wash Rack	4,138			3
Information and Telecommunication Services				
*Wilson Building (26 NE 1ST St.)	38,697			26
Growth Management				
Administration Annex	176,320			117
3 Rivers Building	37,437			25
Sheriff				
Sheriff's Fleet Building	37,940		418	28
Sheriff Headquarters	1,094,200		5,899	759
Sheriff's Office 48th Ave	37,305			25
Sheriff's Office 21st Lane	12,603			8
State Attorney				
State Attorney Bldg.	652,500			432
State Attorney Lights	648			< 1
Tax Collector				
Tag Agency NW 34th St	79,230			52
Tag Agency SW 35th Blvd	193,000			128
Supervisor of Elections				
Elections Warehouse	98,120			65
Public Defender				
Public Defender	178,098			118
Clerk of the Court				
Civil Court House	1,921,760		12,987	1,349
Criminal Court House	2,095,368		44,942	1,651
Streetlights, Signals and Beacons				
Signals and Beacons	158,013			105
***Unincorporated County Street Lights	3,970,303			2,630

(*) Facility is shared by offices from multiple departments or mixed BoCC department and Constitutional Officer department or State Agency facilities.
(**) Best estimate values from leased facility information utilizing square footage
(***) Estimated average usage provided by GRU
KWH = kilowatt hours
THM= therms
US GAL = U.S. Gallons

Table C-2 2008 County Fleet and Equipment Greenhouse Gas Inventory

Vehicle/Equipment Type	Vehicle/ Equipment Count	Gasoline (gal)	Diesel (gal)	Biodiesel (gal)	Total CO2 (tons)*
Administration Services					
Gasoline Passenger Car	2	281.69			2.7
Gasoline Light Truck	6	2,033			19.7
Gasoline Heavy Duty Vehicle	17	9651.14			93.6
Gasoline Small Utility Vehicle	15	541.21			5.3
Diesel Construction Equipment	10		1,705		19.1
Clerk of the Court					
Gasoline Passenger Car	7	931			9.0
Diesel Heavy Duty Vehicle	1		46		0.5
Community Support					
Gasoline Passenger Car	4	489.3			4.7
Gasoline Light Truck	5	1,029			10.0
Gasoline Heavy Duty Vehicle	1	230			2.2
County Manager/Public Information					
Gasoline Passenger Car	2	670.58			6.5
Court Services					
Gasoline Light Truck	2	323			3.1
Gasoline Heavy Duty Vehicle	4	3,677			35.7
Environmental Protection					
Gasoline Passenger Car	5	698.21			6.8
Gasoline Light Truck	8	2,727			26.5
Gasoline Heavy Duty Vehicle	3	2,320			22.5
Gasoline Small Utility Vehicle	2	5			0.0
Growth Management					
Gasoline Light Truck	15	10,958			106.3
Health Department					
Gasoline Passenger Car	12	4,513			43.8
Gasoline Light Truck	11	6,184			60.0
Information Technology					
Gasoline Light Truck	1	442.87			4.3
Tourist Development					
Gasoline Light Truck	1	507.23			4.9
Property Appraiser					
Gasoline Light Truck	13	4,295			41.7
Public Safety					
Gasoline Passenger Car	5	1224.21			11.9
Gasoline Light Truck	25	14,516			140.8
Gasoline Heavy Duty Vehicle	13	7506.71			72.8
Gasoline Small Utility Vehicle	18	558.6			5.4
Diesel Heavy Duty Vehicle	44		81,967	14,465	916.3
Diesel Light Truck	1		486.3275	85.8225	5.4

Vehicle/Equipment Type	Vehicle/ Equipment Count	Gasoline (gal)	Diesel (gal)	Biodiesel (gal)	Total CO2 (tons)*
Diesel Agriculture Equipment	1		401.8		4.5
Diesel Large Utility Vehicle	1		24		0.3
Public Works					
Gasoline Passenger Car	9	1,296			12.6
Gasoline Light Truck	48	26,413			256.3
Gasoline Heavy Duty Vehicle	35	43,135			418.5
Gasoline Small Utility Vehicle	40	676			6.6
Gasoline Agriculture Equipment	87	1,247			12.1
Diesel Heavy Duty Vehicle	60		189323	33409.94	2,116.4
Diesel Light Truck	3		2,684	474	30.0
Diesel Agriculture Equipment	28		9,427		105.4
Diesel Construction Equipment	46		49,747		556.1
Diesel Large Utility Vehicle	6		2,009		22.5
Sheriff**					
Gasoline Passenger Car	n/a	324,856			3,152.1
State Attorney					
Gasoline Light Truck	2	1,288			12.5
Gasoline Passenger Car	18	10,484			101.7
Supervisor of Elections					
Gasoline Light Truck	1	496			4.8
Gasoline Heavy Duty Vehicle	2	612			5.9
Tax Collector					
Gasoline Light Truck	3	524			5.1
Gasoline Passenger Car	1	324			3.1

***Total CO2 tons does not include total biogenic emissions from biodiesel of 530 tons CO2.**

****Vehicle type was not available for Sheriff and Clerk of Court vehicles. All gallons of gasoline were assigned to Gasoline Passenger Cars and all gallons of diesel were assigned to Diesel Heavy Duty Vehicles.**

Appendix D. Inventory Comparison Assumptions and Adjustments

Before the comparison of 2008 and 2009 inventories with the 1998 and 1990 inventories could be accurately performed, it was necessary to make adjustments in the 2008 and 2009 inventories to account for differences in the assumptions and scopes of the various inventories. Fleet usage and emissions data for the Sheriff and Constitutional Officers was not used in the 1998 and 1990 inventories and therefore these emissions were removed from the 2008 and 2009 GHG emissions total before the inventory comparisons were made. Emissions associated with County parks and the Streetlight sector were also not included for the same reason. Solid waste emissions were not included in the comparison due to the inability to determine how the 1998 county solid waste tonnage was calculated and therefore an accurate comparison could not be obtained. However, new emission sources (buildings/facilities) added since 1998 are included in the 2008 adjusted and 2009 adjusted numbers to account for and recognize inevitable growth.

Similar to the adjustment made in the Building/Facilities inventory, the 2008 and 2009 Vehicle Fleet inventories were adjusted to remove those fleet components such as the Sheriff's and Constitutional Officer's fleet usage that was not used in the 1998 inventory prior to making comparisons of inventories. Fuel purchased by cash or credit card by individual employees while doing county business or traveling is not included in any of the inventories. In performing the comparison between the 2008, 2009 and the earlier 1990 and 1998 inventories, it could not be determined with certainty but it is possible that the earlier inventories utilized vehicle miles traveled and average fuel economy to calculate GHG emissions instead of the total fuel usage by vehicle as was done in the 2008 and 2009 inventories. If that was the case, it is possible that the fuel usage in the earlier inventories was biased-low and makes the increase in fuel usage over this period appear somewhat higher.

Emissions associated with the solid waste generated by County government operations were not included in the comparison of inventories due to the inability to accurately determine how the 1998 county solid waste tonnage was calculated and the inability to perform a reasonably accurate comparison. In performing the 2008 and 2009 inventories, since no direct measurement was available of actual tons of waste from Alachua County government's operations exclusively, the totals were estimated from the volume and number of solid waste containers (e.g. dumpsters, trash cans, etc.) serviced by the County's solid waste collection vendors at each County facility. This calculation assumed that each dumpster was full for each scheduled pick-up by waste haulers for the calendar years 2008 and 2009. As a result, this estimate may be biased-high because it is unlikely that each dumpster is completely full at each pick up. In addition, waste data from various leased facilities was unavailable at the time this inventory was conducted. However, it was assumed that the waste produced from these leased facilities is negligible compared to the larger buildings and facilities owned and operated by the County.

Appendix E. Greenhouse Gas Emission Accounting and Methodology

The 2008 and 2009 GHG inventory has been compiled through the efforts of the GHG inventory team within EPD and the support and active cooperation of staff and management in the County's Facilities Management, Finance and Accounting, Office of Management and Budget,Public Works, Fleet Management and Waste Management Divisions and the Constitutional Officers. The ICLEI – Local Governments for Sustainability 2009 Clean Air Climate Protection Software (CACP) was utilized to organize and convert electrical, fuel consumption data and waste stream data into carbon dioxide equivalent emissions and to create reports.

Accounting for greenhouse gas emissions continues to evolve rapidly with more worldwide standardized methods and protocols for calculating GHG emissions. ICLEI coordinates its work with the U.S. Department of Energy and the USEPA. Over 600 local governments worldwide participate in ICLEI's Cities for Climate Protection campaign.

The CACP software determines emissions using specific coefficients according to the type of emission sources. The emission factors and coefficients used in this inventory are listed below in Table E-1 and Table E-2. The electric emission factor specifies the emissions per kilowatt-hour of the annual average kilowatt-hour produced in the electricity region specified. The average grid electricity emission factor is the average of emissions generated per kilowatt-hour over an entire year, taking into account fuels used and generating and emission control technologies in use in each plant. Because it is difficult, if not impossible, to know when electricity consumption quantified in the inventory occurred, the average grid electricity emission factor was used in developing the inventory and in quantifying emission reductions from measures. This factor provides the most accurate estimate of emissions generated from normal use of electricity.

Table E-1 Carbon Dioxide Emission Coefficients

Fuel	CO2 Coefficient	Units
Diesel	10.144	Kg/US gal
Gasoline	8.805	Kg/US gal
Biodiesel (B 100)	9.460 (0 as biogenic emission)	Kg/US gal
Electricity	1.3277	Derived from EPA e-grid (2004)

Table E-2 Emission Factors – Solid Waste

Waste Type	Disposal Technique	Emissions Unit	Per Waste Unit	CH4 Coefficient
Paper Products	Managed Landfill	(tons)	(tons)	2.138262868
Food Waste	Managed Landfill	(tons)	(tons)	1.210337473
Plant Debris	Managed Landfill	(tons)	(tons)	0.685857901
Wood/Textiles	Managed Landfill	(tons)	(tons)	0.605168736
All Other Waste	Managed Landfill	(tons)	(tons)	0.000000000

Emissions are aggregated and reported in terms of equivalent carbon dioxide units, CO_2e. It is important to note that although the CACP software provides governments with a sophisticated tool for calculating emissions from energy use, the model depends upon numerous assumptions, and is limited by the quantity and quality of available data. Accounting never exactly represents reality. What is included and excluded is determined by accounting protocol and by the amount of resources devoted to data collection and analysis. For example, this GHG inventory does not include emissions from refrigerants, or emissions from County employee's air travel or use of rental vehicles. Therefore the numbers generated by the software are more approximations rather than exact values. This inventory followed the emission accounting protocol from ICLEI and categorized emissions into three primary sectors — electricity and natural gas, vehicular transportation and equipment, and solid waste.

The CACP software provides for the gathering and reporting of data in 13 categories — buildings and facilities, streetlights and traffic signals, port facilities, airport facilities, water delivery facilities, wastewater facilities, solid waste facilities, vehicle fleet, employee commute, transit fleet, electric power, other process fugitive, and refrigerants in all sectors. Each category is broken down into subcategories, but not all subcategories apply to Alachua County's government operations.

Table E-3 below lists the CACP GHG emissions data categories that were applicable to Alachua County and inventoried for this study. The data sources for these categories were primarily obtained from the Alachua County Facilities Department, Finance and Accounting Department, Public Works' Fleet and Solid Waste Divisions and from utility providers, waste hauling contractors, and natural gas providers.

Table E-4 shows the County utility vendors and other external services that provided the information for the inventory. Collecting data from the utility vendors listed in Table E-4 presented various challenges. Only a few of the vendors could provide the information in an electronic format, while others were required to manually extract data from hundreds of folders and files to provide basic data. It is important to note that all vendors were supportive and often innovative to help supply the information needed to complete this inventory.

Table E-3 Data Categories Used in the Alachua County's 2008 GHG Emission Inventory

CACP Data Category	Parameters Measured	Data Source
Buildings and Facilities	Electricity, Natural Gas, Heating Oil	Utility Bills
Streetlights and Traffic Signals	Electricity	Utility Bills
Water Delivery Facilities	Electricity	Utility Bills
Solid Waste Facilities	Tons of Waste disposed	Records reconciliation
Vehicles and Equipment Fleet	Gallons of Fuel used	Records Reconciliation

Table E-4 List of Vendors and Other External Service Providers

Vendor	Services Provided
Gainesville Regional Utilities	Electricity and Natural Gas
Clay Electric Cooperative Inc	Electricity
Central Florida Electric	Electricity
FL Power and Light	Electricity
Progress Energy Florida Inc	Electricity
City of Alachua	Electricity
Melrose Water Assn	Electricity
Ferrellgas	Propane and Natural Gas
Suburban Propane	Propane and Natural Gas
Lewis Oil Co Inc	Propane and Natural Gas
Emerald Waste Services LLC	Waste Services
Waste Pro-Gainesville	Waste Services

It is important to note that the accuracy of all calculations and trends presented in this report is limited to the accuracy of data submitted to or acquired by the Alachua County Environmental Protection Department from various County and utility vendor databases and other sources.

Appendix F

2009 ICLEI Government Greenhouse Gas Emissions Detailed Report

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
Buildings and Facilities							
Alachua County, Florida							
3 Rivers Building							
Electricity	23	0	2	23	0.1	117	0
Subtotal 3 Rivers Building	23	0	2	23	0.1	117	0
Administration Annex							
Electricity	71	0	5	71	0.3	369	0
Subtotal Administration Annex	71	0	5	71	0.3	369	0
Alachua Sheriff's Fleet							
Electricity	24	0	2	24	0.1	123	0
Natural Gas	3	0	1	3	0.0	46	0
Subtotal Alachua Sheriff's Flee	27	0	2	27	0.1	170	0
Amer Bank - Tourist Development							
Electricity	7	0	0	7	0.0	35	0
Subtotal Amer Bank - Tourist D	7	0	0	7	0.0	35	0
Animal Control (a)							
Electricity	145	0	10	145	0.5	749	0
Natural Gas	36	0	7	36	0.1	611	0
Subtotal Animal Control (a)	180	1	17	181	0.7	1,360	0
Animal Control (b)							
Natural Gas	87	0	16	87	0.3	1,485	0
Subtotal Animal Control (b)	87	0	16	87	0.3	1,485	0
Civil Court House							
Electricity	1,052	3	74	1,054	3.9	5,448	0
Natural Gas	77	0	14	77	0.3	1,308	0
Subtotal Civil Court House	1,129	3	88	1,130	4.2	6,756	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Community Support/Health Department							
Electricity	1,028	3	72	1,029	3.8	5,323	0
Natural Gas	185	1	35	185	0.7	3,161	0
Subtotal Community Support/H	1,213	3	107	1,215	4.5	8,484	0
Compost Facility							
Electricity	9	0	1	9	0.0	48	0
Subtotal Compost Facility	9	0	1	9	0.0	48	0
Consolidated Communication Center (a)							
Electricity	15	0	1	15	0.1	76	0
Subtotal Consolidated Commu	15	0	1	15	0.1	76	0
Consolidated Communication Center (b)							
Electricity	849	2	60	850	3.1	4,396	0
Natural Gas	92	0	17	92	0.3	1,565	0
Subtotal Consolidated Commu	941	3	77	942	3.5	5,961	0
Cooperative Extension							
Electricity	52	0	4	52	0.2	271	0
Subtotal Cooperative Extensio	52	0	4	52	0.2	271	0
Copeland Park Well							
Electricity	0	0	0	0	0.0	0	0
Subtotal Copeland Park Well	0	0	0	0	0.0	0	0
Corrections/Jail (a)							
Electricity	2	0	0	2	0.0	12	0
Subtotal Corrections/Jail (a)	2	0	0	2	0.0	12	0
Corrections/Jail (b)							
Natural Gas	950	4	179	953	3.5	16,250	0
Subtotal Corrections/Jail (b)	950	4	179	953	3.5	16,250	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Corrections/Jail (c)							
Electricity	7	0	1	7	0.0	38	0
Subtotal Corrections/Jail (c)	7	0	1	7	0.0	38	0
Corrections/Jail (d)							
Electricity	3,886	10	273	3,891	14.4	20,117	0
Subtotal Corrections/Jail (d)	3,886	10	273	3,891	14.4	20,117	0
Corrections/Jail (e)							
Electricity	11	0	1	11	0.0	55	0
Subtotal Corrections/Jail (e)	11	0	1	11	0.0	55	0
Corrections/Jail (f)							
Electricity	46	0	3	47	0.2	240	0
Subtotal Corrections/Jail (f)	46	0	3	47	0.2	240	0
Corrections/Jail (g)							
Electricity	52	0	4	52	0.2	268	0
Subtotal Corrections/Jail (g)	52	0	4	52	0.2	268	0
Corrections/Jail (h)							
Electricity	0	0	0	0	0.0	1	0
Subtotal Corrections/Jail (h)	0	0	0	0	0.0	1	0
County Administration (a)							
Electricity	72	0	5	72	0.3	370	0
Subtotal County Administration	72	0	5	72	0.3	370	0
County Administration (b)							
Electricity	663	2	47	664	2.5	3,433	0
Natural Gas	51	0	10	51	0.2	877	0
Subtotal County Administration	714	2	56	715	2.6	4,309	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
County Day Reporting/Drug Court (a)							
Electricity	74	0	5	74	0.3	383	0
Natural Gas	2	0	0	2	0.0	37	0
Subtotal County Day Reporting	76	0	6	76	0.3	420	0
County Day Reporting/Drug Court (b)							
Electricity	13	0	1	13	0.0	68	0
Subtotal County Day Reporting	13	0	1	13	0.0	68	0
Court Services							
Electricity	583	2	41	584	2.2	3,019	0
Subtotal Court Services	583	2	41	584	2.2	3,019	0
Criminal Court House (a)							
Electricity	1,307	3	92	1,309	4.8	6,768	0
Natural Gas	224	1	42	225	0.8	3,837	0
Subtotal Criminal Court House	1,532	4	134	1,534	5.7	10,605	0
Criminal Court House (b)							
Electricity	11	0	1	11	0.0	57	0
Subtotal Criminal Court House	11	0	1	11	0.0	57	0
Dept. of Community Support Services							
Electricity	1	0	0	1	0.0	5	0
Subtotal Dept. of Community S	1	0	0	1	0.0	5	0
Disaster Preparedness Facility (a)							
Electricity	22	0	2	22	0.1	114	0
Subtotal Disaster Preparednes	22	0	2	22	0.1	114	0
Disaster Preparedness Facility (b)							
Electricity	1	0	0	1	0.0	6	0
Subtotal Disaster Preparednes	1	0	0	1	0.0	6	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Earl Powers Park							
Electricity	0	0	0	0	0.0	2	0
Subtotal Earl Powers Park	0	0	0	0	0.0	2	0
Earl Powers Park - Outdoor Lights							
Electricity	0	0	0	0	0.0	0	0
Subtotal Earl Powers Park - Ou	0	0	0	0	0.0	0	0
Elections Warehouse							
Electricity	49	0	3	49	0.2	252	0
Subtotal Elections Warehouse	49	0	3	49	0.2	252	0
Emergency Medical Team #2							
Electricity	10	0	1	10	0.0	53	0
Subtotal Emergency Medical T	10	0	1	10	0.0	53	0
Emergency Medical Team #25							
Electricity	7	0	0	7	0.0	36	0
Subtotal Emergency Medical T	7	0	0	7	0.0	36	0
Emergency Medical Team #5							
Electricity	12	0	1	12	0.0	60	0
Subtotal Emergency Medical T	12	0	1	12	0.0	60	0
Emergency Medical Team #9							
Electricity	19	0	1	19	0.1	97	0
Subtotal Emergency Medical T	19	0	1	19	0.1	97	0
Environmental Protection							
Electricity	54	0	4	54	0.2	279	0
Subtotal Environmental Protec.	54	0	4	54	0.2	279	0
Fairbanks Collection							
Electricity	4	0	0	4	0.0	20	0
Subtotal Fairbanks Collection	4	0	0	4	0.0	20	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Farmers Market							
Electricity	0	0	0	0	0.0	0	0
Subtotal Farmers Market	0	0	0	0	0.0	0	0
Fire Rescue Headquarters (a)							
Electricity	169	0	12	169	0.6	874	0
Natural Gas	1	0	0	1	0.0	22	0
Subtotal Fire Rescue Headqua	170	0	12	170	0.6	897	0
Fire Rescue Headquarters (b)							
Electricity	2	0	0	2	0.0	9	0
Subtotal Fire Rescue Headqua	2	0	0	2	0.0	9	0
Fire Rescue Headquarters (c)							
Natural Gas	1	0	0	1	0.0	15	0
Subtotal Fire Rescue Headqua	1	0	0	1	0.0	15	0
Fire Rescue Station #10							
Electricity	49	0	3	49	0.2	252	0
Natural Gas	1	0	0	1	0.0	14	0
Subtotal Fire Rescue Station #	49	0	4	49	0.2	266	0
Fire Rescue Station #12							
Electricity	37	0	3	37	0.1	192	0
Subtotal Fire Rescue Station #	37	0	3	37	0.1	192	0
Fire Rescue Station #12 (Propane)							
Propane	5	0	2	5	0.0	77	0
Subtotal Fire Rescue Station #	5	0	2	5	0.0	77	0
Fire Rescue Station #15							
Electricity	30	0	2	30	0.1	157	0
Subtotal Fire Rescue Station #	30	0	2	30	0.1	157	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Fire Rescue Station #16							
Electricity	63	0	4	63	0.2	326	0
Subtotal Fire Rescue Station #	63	0	4	63	0.2	326	0
Fire Rescue Station #16 (Propane)							
Propane	2	0	1	2	0.0	32	0
Subtotal Fire Rescue Station #	2	0	1	2	0.0	32	0
Fire Rescue Station #17 (a)							
Natural Gas	1	0	0	2	0.0	26	0
Subtotal Fire Rescue Station #	1	0	0	2	0.0	26	0
Fire Rescue Station #17(b)							
Electricity	27	0	2	27	0.1	140	0
Subtotal Fire Rescue Station #	27	0	2	27	0.1	140	0
Fire Rescue Station #19							
Electricity	48	0	3	48	0.2	247	0
Subtotal Fire Rescue Station #	48	0	3	48	0.2	247	0
Fire Rescue Station #19 (Propane)							
Propane	0	0	0	0	0.0	5	0
Subtotal Fire Rescue Station #	0	0	0	0	0.0	5	0
Fire Rescue Station #21							
Electricity	29	0	2	29	0.1	149	0
Subtotal Fire Rescue Station #	29	0	2	29	0.1	149	0
Fire Rescue Station #21 (Propane)							
Propane	0	0	0	0	0.0	2	0
Subtotal Fire Rescue Station #	0	0	0	0	0.0	2	0
Fire Rescue Station #27							
Electricity	37	0	3	37	0.1	192	0
Subtotal Fire Rescue Station #	37	0	3	37	0.1	192	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Fire Rescue Station #27 (Propane)							
Propane	2	0	1	2	0.0	32	0
Subtotal Fire Rescue Station #	2	0	1	2	0.0	32	0
Fire Rescue Station #31							
Electricity	2	0	0	2	0.0	11	0
Subtotal Fire Rescue Station #	2	0	0	2	0.0	11	0
Fire Rescue Station #8							
Electricity	32	0	2	32	0.1	163	0
Subtotal Fire Rescue Station #	32	0	2	32	0.1	163	0
Fire Rescue Station #8 (Propane)							
Propane	7	0	3	8	0.0	108	0
Subtotal Fire Rescue Station #	7	0	3	8	0.0	108	0
Fleet							
Electricity	58	0	4	58	0.2	298	0
Subtotal Fleet	58	0	4	58	0.2	298	0
Forest Park							
Electricity	3	0	0	3	0.0	16	0
Subtotal Forest Park	3	0	0	3	0.0	16	0
Grove Park							
Electricity	0	0	0	0	0.0	0	0
Subtotal Grove Park	0	0	0	0	0.0	0	0
Hazardous Waste Collection							
Electricity	12	0	1	12	0.0	63	0
Subtotal Hazardous Waste Col	12	0	1	12	0.0	63	0
High Springs Collection							
Electricity	7	0	0	7	0.0	35	0
Subtotal High Springs Collectic	7	0	0	7	0.0	35	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Jonesville Fire Rescue Station							
Electricity	24	0	2	24	0.1	124	0
Subtotal Jonesville Fire Rescu	24	0	2	24	0.1	124	0
Jonesville Fire Station (Propane)							
Propane	2	0	1	2	0.0	24	0
Subtotal Jonesville Fire Statior	2	0	1	2	0.0	24	0
Jonesville Park							
Electricity	13	0	1	13	0.0	69	0
Subtotal Jonesville Park	13	0	1	13	0.0	69	0
Kanapaha Veterans Memorial Park							
Electricity	4	0	0	4	0.0	19	0
Subtotal Kanapaha Veterans M	4	0	0	4	0.0	19	0
Lacrosse Collection							
Electricity	5	0	0	5	0.0	24	0
Subtotal Lacrosse Collection	5	0	0	5	0.0	24	0
Lochloosa Boat Ramp - Restrooms							
Electricity	2	0	0	2	0.0	8	0
Subtotal Lochloosa Boat Ramp	2	0	0	2	0.0	8	0
Main Street Parking Lot							
Electricity	3	0	0	3	0.0	18	0
Subtotal Main Street Parking L	3	0	0	3	0.0	18	0
Marjorie Rawlings Park							
Electricity	0	0	0	0	0.0	1	0
Subtotal Marjorie Rawlings Par	0	0	0	0	0.0	1	0
Metamorphosis							
Electricity	66	0	5	67	0.2	344	0
Subtotal Metamorphosis	66	0	5	67	0.2	344	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Metamorphosis Half Way House SW 20th							
Electricity	7	0	0	7	0.0	35	0
Subtotal Metamorphosis Half V	7	0	0	7	0.0	35	0
Metamorphosis Halfway House SW 40th							
Electricity	9	0	1	9	0.0	47	0
Subtotal Metamorphosis Halfw	9	0	1	9	0.0	47	0
Mobile Home							
Electricity	2	0	0	2	0.0	12	0
Subtotal Mobile Home	2	0	0	2	0.0	12	0
Monteocha Park							
Electricity	0	0	0	0	0.0	0	0
Subtotal Monteocha Park	0	0	0	0	0.0	0	0
Motor Vehicle Inspection							
Electricity	28	0	2	28	0.1	143	0
Subtotal Motor Vehicle Inspect	28	0	2	28	0.1	143	0
Owens Illinois Park (a)							
Electricity	13	0	1	13	0.0	68	0
Subtotal Owens Illinois Park (a	13	0	1	13	0.0	68	0
Owens Illinois Park (b)							
Electricity	0	0	0	0	0.0	0	0
Subtotal Owens Illinois Park (b	0	0	0	0	0.0	0	0
Partners for Productive Community 67th Ter							
Electricity	3	0	0	3	0.0	16	0
Subtotal Partners for Productiv	3	0	0	3	0.0	16	0
Partners for Productive Community SW 20th							
Electricity	0	0	0	0	0.0	2	0
Subtotal Partners for Productiv	0	0	0	0	0.0	2	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Partners for Productive Community SW 8th - 7048							
Electricity	0	0	0	0	0.0	2	0
Subtotal Partners for Productiv	0	0	0	0	0.0	2	0
Pfeifer Collection							
Electricity	5	0	0	5	0.0	26	0
Subtotal Pfeifer Collection	5	0	0	5	0.0	26	0
Public Defender (a)							
Electricity	11	0	1	11	0.0	56	0
Subtotal Public Defender (a)	11	0	1	11	0.0	56	0
Public Defender (b)							
Electricity	31	0	2	31	0.1	162	0
Subtotal Public Defender (b)	31	0	2	31	0.1	162	0
Public Defender (c)							
Electricity	41	0	3	41	0.2	211	0
Subtotal Public Defender (c)	41	0	3	41	0.2	211	0
Public Defender (d)							
Electricity	11	0	1	11	0.0	55	0
Subtotal Public Defender (d)	11	0	1	11	0.0	55	0
Public Defender (e)							
Electricity	21	0	1	21	0.1	107	0
Subtotal Public Defender (e)	21	0	1	21	0.1	107	0
Public Works (a)							
Electricity	296	1	21	296	1.1	1,531	0
Subtotal Public Works (a)	296	1	21	296	1.1	1,531	0
Public Works (b)							
Electricity	18	0	1	19	0.1	96	0
Subtotal Public Works (b)	18	0	1	19	0.1	96	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Public Works Sign Shop							
Electricity	24	0	2	24	0.1	125	0
Subtotal Public Works Sign Sh	24	0	2	24	0.1	125	0
Public Works Warehouse							
Electricity	51	0	4	51	0.2	262	0
Subtotal Public Works Wareho	51	0	4	51	0.2	262	0
Public Works Wash Rack							
Electricity	2	0	0	2	0.0	12	0
Subtotal Public Works Wash R	2	0	0	2	0.0	12	0
Records Retention							
Electricity	97	0	7	97	0.4	504	0
Natural Gas	11	0	2	11	0.0	188	0
Subtotal Records Retention	108	0	9	108	0.4	691	0
Santa Fe Boat Ramp							
Electricity	2	0	0	2	0.0	13	0
Subtotal Santa Fe Boat Ramp	2	0	0	2	0.0	13	0
Santa Fe Mobile Home							
Electricity	9	0	1	9	0.0	48	0
Subtotal Santa Fe Mobile Hom	9	0	1	9	0.0	48	0
SE 35 ST Park							
Electricity	0	0	0	0	0.0	1	0
Subtotal SE 35 ST Park	0	0	0	0	0.0	1	0
Sheriff Headquarters							
Electricity	736	2	52	737	2.7	3,812	0
Natural Gas	53	0	10	53	0.2	911	0
Subtotal Sheriff Headquarters	790	2	62	791	2.9	4,723	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Sheriff's Office 21st Ln							
Electricity	7	0	1	7	0.0	38	0
Subtotal Sheriff's Office 21st Ln	7	0	1	7	0.0	38	0
Sheriff's Office 48th Ave							
Electricity	20	0	1	20	0.1	106	0
Subtotal Sheriff's Office 48th A	20	0	1	20	0.1	106	0
Star Garage							
Electricity	8	0	1	8	0.0	43	0
Subtotal Star Garage	8	0	1	8	0.0	43	0
State Attorney (a)							
Electricity	417	1	29	417	1.5	2,157	0
Subtotal State Attorney (a)	417	1	29	417	1.5	2,157	0
State Attorney (b)							
Electricity	0	0	0	0	0.0	0	0
Subtotal State Attorney (b)	0	0	0	0	0.0	0	0
SW Landfill (a)							
Electricity	1	0	0	1	0.0	3	0
Subtotal SW Landfill (a)	1	0	0	1	0.0	3	0
SW Landfill (b)							
Electricity	1	0	0	1	0.0	6	0
Subtotal SW Landfill (b)	1	0	0	1	0.0	6	0
SW Landfill (c)							
Electricity	27	0	2	27	0.1	140	0
Subtotal SW Landfill (c)	27	0	2	27	0.1	140	0
SW Landfill (d)							
Electricity	3	0	0	3	0.0	17	0
Subtotal SW Landfill (d)	3	0	0	3	0.0	17	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
SW Landfill Trash Compactor							
Electricity	4	0	0	4	0.0	20	0
Subtotal SW Landfill Trash Co	4	0	0	4	0.0	20	0
Tag Agency NW 34th St							
Electricity	58	0	4	58	0.2	299	0
Subtotal Tag Agency NW 34th	58	0	4	58	0.2	299	0
Tag Agency SW 35th Blvd							
Electricity	120	0	8	120	0.4	620	0
Subtotal Tag Agency SW 35th	120	0	8	120	0.4	620	0
Tools for School							
Electricity	2	0	0	2	0.0	12	0
Subtotal Tools for School	2	0	0	2	0.0	12	0
Transfer Station (a)							
Electricity	147	0	10	147	0.5	762	0
Subtotal Transfer Station (a)	147	0	10	147	0.5	762	0
Transfer Station (b)							
Electricity	24	0	2	24	0.1	124	0
Subtotal Transfer Station (b)	24	0	2	24	0.1	124	0
Transfer Station (c)							
Electricity	0	0	0	0	0.0	2	0
Subtotal Transfer Station (c)	0	0	0	0	0.0	2	0
Transfer Station Scale House							
Electricity	1	0	0	1	0.0	4	0
Subtotal Transfer Station Scale	1	0	0	1	0.0	4	0
Wilson Building							
Electricity	26	0	2	26	0.1	136	0
Subtotal Wilson Building	26	0	2	26	0.1	136	0
Subtotal Buildings and Facilities	14,984	42	1,268	15,004	55.5	98,908	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Streetlights & Traffic Signals							
Alachua County, Florida							
10001 NW 39th Ave							
Electricity	2	0	0	2	0.0	9	0
Subtotal 10001 NW 39th Ave	2	0	0	2	0.0	9	0
10461 NW 39th Ave							
Electricity	6	0	0	6	0.0	30	0
Subtotal 10461 NW 39th Ave	6	0	0	6	0.0	30	0
10714 N SR 121							
Electricity	2	0	0	2	0.0	11	0
Subtotal 10714 N SR 121	2	0	0	2	0.0	11	0
10898 SW 24th Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 10898 SW 24th Ave	0	0	0	0	0.0	0	0
1100 SE 43rd ST							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1100 SE 43rd ST	0	0	0	0	0.0	0	0
12200 W Newberry Rd							
Electricity	2	0	0	2	0.0	9	0
Subtotal 12200 W Newberry R	2	0	0	2	0.0	9	0
12204 SW Archer Rd (Traffic Light)							
Electricity	3	0	0	3	0.0	16	0
Subtotal 12204 SW Archer Rd	3	0	0	3	0.0	16	0
1359 Reddick, CR234 & US441 CA LGT							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1359 Reddick, CR234	0	0	0	0	0.0	0	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
1400 SW 75th ST							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1400 SW 75th ST	0	0	0	0	0.0	0	0
15550 N State Road 121							
Electricity	0	0	0	0	0.0	2	0
Subtotal 15550 N State Road 1	0	0	0	0	0.0	2	0
1600 Fort Clarke Blvd							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1600 Fort Clarke Blvd	0	0	0	0	0.0	0	0
2000 SW 34th ST							
Electricity	2	0	0	2	0.0	12	0
Subtotal 2000 SW 34th ST	2	0	0	2	0.0	12	0
2000 SW Williston Rd							
Electricity	0	0	0	0	0.0	0	0
Subtotal 2000 SW Williston Rd	0	0	0	0	0.0	0	0
20099 N State Road 121 TFLT							
Electricity	0	0	0	0	0.0	0	0
Subtotal 20099 N State Road 1	0	0	0	0	0.0	0	0
20180 NE SR 26							
Electricity	0	0	0	0	0.0	2	0
Subtotal 20180 NE SR 26	0	0	0	0	0.0	2	0
219A & SR 26 Caution Light							
Electricity	0	0	0	0	0.0	1	0
Subtotal 219A & SR 26 Caution	0	0	0	0	0.0	1	0
2300 Fort Clarke Blvd							
Electricity	1	0	0	1	0.0	7	0
Subtotal 2300 Fort Clarke Blvd	1	0	0	1	0.0	7	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
2300 NW 83rd ST							
Electricity	1	0	0	1	0.0	6	0
Subtotal 2300 NW 83rd ST	1	0	0	1	0.0	6	0
241 and 26 Intersection							
Electricity	2	0	0	2	0.0	11	0
Subtotal 241 and 26 Intersectic	2	0	0	2	0.0	11	0
2600 School House Rd							
Electricity	0	0	0	0	0.0	0	0
Subtotal 2600 School House R	0	0	0	0	0.0	0	0
2700 SW 34th ST							
Electricity	1	0	0	1	0.0	8	0
Subtotal 2700 SW 34th ST	1	0	0	1	0.0	8	0
2701 NW 51st St							
Electricity	5	0	0	5	0.0	27	0
Subtotal 2701 NW 51st St	5	0	0	5	0.0	27	0
2798 NW 83rd St							
Electricity	1	0	0	1	0.0	7	0
Subtotal 2798 NW 83rd St	1	0	0	1	0.0	7	0
27th & 26							
Electricity	3	0	0	3	0.0	13	0
Subtotal 27th & 26	3	0	0	3	0.0	13	0
3000 SE 15th ST							
Electricity	0	0	0	0	0.0	0	0
Subtotal 3000 SE 15th ST	0	0	0	0	0.0	0	0
301/26 Hawthorne							
Electricity	1	0	0	1	0.0	4	0
Subtotal 301/26 Hawthorne	1	0	0	1	0.0	4	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
301/26 Orange Heights							
Electricity	0	0	0	0	0.0	2	0
Subtotal 301/26 Orange Heigh	0	0	0	0	0.0	2	0
323/235 Flasher							
Electricity	1	0	0	1	0.0	3	0
Subtotal 323/235 Flasher	1	0	0	1	0.0	3	0
3266 NW 83rd St							
Electricity	1	0	0	1	0.0	4	0
Subtotal 3266 NW 83rd St	1	0	0	1	0.0	4	0
3423 SW Williston Rd							
Electricity	3	0	0	3	0.0	18	0
Subtotal 3423 SW Williston Rd	3	0	0	3	0.0	18	0
39 Ave & 26							
Electricity	1	0	0	1	0.0	3	0
Subtotal 39 Ave & 26	1	0	0	1	0.0	3	0
3900 NW 51st ST							
Electricity	2	0	0	2	0.0	10	0
Subtotal 3900 NW 51st ST	2	0	0	2	0.0	10	0
3900 NW 83rd ST							
Electricity	2	0	0	2	0.0	8	0
Subtotal 3900 NW 83rd ST	2	0	0	2	0.0	8	0
39th & 241 (Traffic Light)							
Electricity	3	0	0	3	0.0	17	0
Subtotal 39th & 241 (Traffic Lig	3	0	0	3	0.0	17	0
400 NW 75th ST							
Electricity	2	0	0	2	0.0	9	0
Subtotal 400 NW 75th ST	2	0	0	2	0.0	9	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
400 SE 43rd ST							
Electricity	0	0	0	0	0.0	0	0
Subtotal 400 SE 43rd ST	0	0	0	0	0.0	0	0
4288 SW Archer Rd							
Electricity	2	0	0	2	0.0	9	0
Subtotal 4288 SW Archer Rd	2	0	0	2	0.0	9	0
4291 SE Hawthorne Rd							
Electricity	1	0	0	1	0.0	6	0
Subtotal 4291 SE Hawthorne F	1	0	0	1	0.0	6	0
4300 SW 20th Ave							
Electricity	2	0	0	2	0.0	8	0
Subtotal 4300 SW 20th Ave	2	0	0	2	0.0	8	0
4323 E University Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 4323 E University Ave	0	0	0	0	0.0	0	0
4500 SW 75th ST							
Electricity	0	0	0	0	0.0	0	0
Subtotal 4500 SW 75th ST	0	0	0	0	0.0	0	0
4600 SW 75th St							
Electricity	0	0	0	0	0.0	1	0
Subtotal 4600 SW 75th St	0	0	0	0	0.0	1	0
4601 SW 75th St							
Electricity	0	0	0	0	0.0	1	0
Subtotal 4601 SW 75th St	0	0	0	0	0.0	1	0
6149 Millhopper Rd							
Electricity	0	0	0	0	0.0	2	0
Subtotal 6149 Millhopper Rd	0	0	0	0	0.0	2	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
6295 SW Archer Rd							
Electricity	2	0	0	2	0.0	8	0
Subtotal 6295 SW Archer Rd	2	0	0	2	0.0	8	0
6800 SW 24th Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 6800 SW 24th Ave	0	0	0	0	0.0	0	0
7500 SW 24th Ave							
Electricity	2	0	0	2	0.0	10	0
Subtotal 7500 SW 24th Ave	2	0	0	2	0.0	10	0
7500 SW 46th Blvd							
Electricity	2	0	0	2	0.0	8	0
Subtotal 7500 SW 46th Blvd	2	0	0	2	0.0	8	0
7500 SW 8th Ave							
Electricity	2	0	0	2	0.0	8	0
Subtotal 7500 SW 8th Ave	2	0	0	2	0.0	8	0
7500 SW Archer Rd							
Electricity	3	0	0	3	0.0	14	0
Subtotal 7500 SW Archer Rd	3	0	0	3	0.0	14	0
7500 W Newberry Rd							
Electricity	2	0	0	2	0.0	11	0
Subtotal 7500 W Newberry Rd	2	0	0	2	0.0	11	0
7600 W Newberry Rd							
Electricity	2	0	0	2	0.0	8	0
Subtotal 7600 W Newberry Rd	2	0	0	2	0.0	8	0
7803 NW SR 45							
Electricity	0	0	0	0	0.0	2	0
Subtotal 7803 NW SR 45	0	0	0	0	0.0	2	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
9086 SW Archer Rd (Traffic Sign)							
Electricity	1	0	0	1	0.0	7	0
Subtotal 9086 SW Archer Rd (	1	0	0	1	0.0	7	0
9100 NW 39th Ave							
Electricity	2	0	0	2	0.0	10	0
Subtotal 9100 NW 39th Ave	2	0	0	2	0.0	10	0
9100 SW 24th Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9100 SW 24th Ave	0	0	0	0	0.0	0	0
9100 SW 8th Ave							
Electricity	3	0	0	3	0.0	18	0
Subtotal 9100 SW 8th Ave	3	0	0	3	0.0	18	0
9100 W Newberry Rd							
Electricity	2	0	0	2	0.0	9	0
Subtotal 9100 W Newberry Rd	2	0	0	2	0.0	9	0
9100B W Newberry Rd							
Electricity	2	0	0	2	0.0	8	0
Subtotal 9100B W Newberry R	2	0	0	2	0.0	8	0
9205 NW 23rd Ave							
Electricity	0	0	0	0	0.0	1	0
Subtotal 9205 NW 23rd Ave	0	0	0	0	0.0	1	0
9293 NW 39th Ave							
Electricity	4	0	0	4	0.0	21	0
Subtotal 9293 NW 39th Ave	4	0	0	4	0.0	21	0
9300 NW 43rd St							
Electricity	1	0	0	1	0.0	5	0
Subtotal 9300 NW 43rd St	1	0	0	1	0.0	5	0

Government Greenhouse Gas Emissions in 2009
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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
9301 NW 23rd Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9301 NW 23rd Ave	0	0	0	0	0.0	0	0
9601 NW 39th Ave							
Electricity	3	0	0	3	0.0	16	0
Subtotal 9601 NW 39th Ave	3	0	0	3	0.0	16	0
98 SW 75th St							
Electricity	2	0	0	2	0.0	10	0
Subtotal 98 SW 75th St	2	0	0	2	0.0	10	0
9800 NW 23rd Ave							
Electricity	0	0	0	0	0.0	1	0
Subtotal 9800 NW 23rd Ave	0	0	0	0	0.0	1	0
9800 W Newberry Rd							
Electricity	2	0	0	2	0.0	10	0
Subtotal 9800 W Newberry Rd	2	0	0	2	0.0	10	0
9900 SW 24th Ave							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9900 SW 24th Ave	0	0	0	0	0.0	0	0
9919 SE Hawthorne Rd/Flashing							
Electricity	0	0	0	0	0.0	2	0
Subtotal 9919 SE Hawthorne F	0	0	0	0	0.0	2	0
Archer School Flasher - 14533 SW 170							
Electricity	0	0	0	0	0.0	0	0
Subtotal Archer School Flashe.	0	0	0	0	0.0	0	0
County Unincorporated Street Lights (a)							
Electricity	346	1	24	346	1.3	1,791	0
Subtotal County Unincorporate	346	1	24	346	1.3	1,791	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
County Unincorporated Street Lights (b)							
Electricity	2,150	6	151	2,152	8.0	11,129	0
Subtotal County Unincorporate	2,150	6	151	2,152	8.0	11,129	0
CR 241 & 236							
Electricity	0	0	0	0	0.0	0	0
Subtotal CR 241 & 236	0	0	0	0	0.0	0	0
Grove Park Stop Sign							
Electricity	0	0	0	0	0.0	0	0
Subtotal Grove Park Stop Sign	0	0	0	0	0.0	0	0
I of 26 & 241 South							
Electricity	2	0	0	2	0.0	10	0
Subtotal I of 26 & 241 South	2	0	0	2	0.0	10	0
Millhopper Rd & 241 (Caution Light)							
Electricity	0	0	0	0	0.0	2	0
Subtotal Millhopper Rd & 241 (	0	0	0	0	0.0	2	0
NW 78 Ave & 241 (Caution Light)							
Electricity	0	0	0	0	0.0	2	0
Subtotal NW 78 Ave & 241 (Ca	0	0	0	0	0.0	2	0
Subtotal Streetlights & Traffic Si	2,589	7	182	2,592	9.6	13,403	0
Water Delivery Facilities							
Alachua County, Florida							
Santa Fe Hills Water System							
Electricity	7	0	1	7	0.0	37	0
Subtotal Santa Fe Hills Water	7	0	1	7	0.0	37	0
Subtotal Water Delivery Facilities	7	0	1	7	0.0	37	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
Solid Waste Facilities							
Alachua County, Florida							
Government Operations Waste							
Carbon Dioxide	223	0	0	223	0.8	0	0
Subtotal Government Operatio	223	0	0	223	0.8	0	0
Subtotal Solid Waste Facilities	223	0	0	223	0.8	0	0
Vehicle Fleet							
Alachua County, Florida							
Administration Services - Facility Management							
Gasoline	100	6	5	101	0.4	1,280	0
OFF ROAD Diesel	23	1	3	23	0.1	284	0
OFF ROAD Gasoline	5	0	1	5	0.0	58	0
Subtotal Administration Servic	127	8	8	129	0.5	1,621	0
Administrative Services - Risk Management							
Gasoline	5	0	0	5	0.0	58	0
Subtotal Administrative Servic	5	0	0	5	0.0	58	0
Clerk of the Court							
Diesel	0	0	0	0	0.0	3	0
Gasoline	7	1	1	7	0.0	84	0
Subtotal Clerk of the Court	7	1	1	7	0.0	88	0
Community Support Services - Administration							
Gasoline	11	1	1	11	0.0	143	0
Subtotal Community Support S	11	1	1	11	0.0	143	0
Community Support Services - Ag Extension							
Gasoline	5	0	0	5	0.0	69	0
Subtotal Community Support S	5	0	0	5	0.0	69	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Community Support Services - CHOICES							
Gasoline	2	0	0	2	0.0	24	0
Subtotal Community Support S	2	0	0	2	0.0	24	0
Community Support Services - Foster Grandparents Grant							
Gasoline	2	0	0	2	0.0	22	0
Subtotal Community Support S	2	0	0	2	0.0	22	0
County Manager							
Gasoline	2	0	0	2	0.0	20	0
Subtotal County Manager	2	0	0	2	0.0	20	0
Court Services - Community Services							
Gasoline	30	1	1	30	0.1	384	0
Subtotal Court Services - Com	30	1	1	30	0.1	384	0
Court Services - Metamorphosis							
Gasoline	2	0	0	2	0.0	24	0
Subtotal Court Services - Meta	2	0	0	2	0.0	24	0
Court Services - Pretrial							
Gasoline	1	0	0	1	0.0	14	0
Subtotal Court Services - Pretr	1	0	0	1	0.0	14	0
Court Services - Probation							
Gasoline	2	0	0	2	0.0	26	0
Subtotal Court Services - Prob	2	0	0	2	0.0	26	0
Court Services - Work Release							
Gasoline	5	0	0	5	0.0	62	0
Subtotal Court Services - Work	5	0	0	5	0.0	62	0
Environmental Protection - Administration							
Gasoline	2	0	0	2	0.0	27	0
Subtotal Environmental Protec	2	0	0	2	0.0	27	0

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Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Environmental Protection - Hazardous Materials							
Gasoline	20	0	1	20	0.1	259	0
Subtotal Environmental Protec	20	0	1	20	0.1	259	0
Environmental Protection - Land Conservation							
Gasoline	13	1	1	13	0.0	163	0
OFF ROAD Gasoline	0	0	0	0	0.0	5	0
Subtotal Environmental Protec	13	1	1	13	0.0	169	0
Environmental Protection - Natural Resources Protection							
Gasoline	4	0	0	4	0.0	46	0
Subtotal Environmental Protec	4	0	0	4	0.0	46	0
Environmental Protection - Petroleum Management							
Gasoline	9	0	0	9	0.0	118	0
Subtotal Environmental Protec	9	0	0	9	0.0	118	0
Environmental Protection - Water Quality							
Gasoline	5	0	0	5	0.0	69	0
Subtotal Environmental Protec	5	0	0	5	0.0	69	0
Fire Rescue - Administration							
Gasoline	9	1	1	9	0.0	118	0
Subtotal Fire Rescue - Adminis	9	1	1	9	0.0	118	0
Fire Rescue - Emergency Management							
Biodiesel (B100)	0	0	0	0	0.0	1	0
Diesel	1	0	0	1	0.0	9	0
Gasoline	11	0	1	11	0.0	140	0
Subtotal Fire Rescue - Emerge	12	0	1	12	0.0	151	0
Fire Rescue - Enhanced 911							
Gasoline	3	0	0	3	0.0	44	0
Subtotal Fire Rescue - Enhanc	3	0	0	3	0.0	44	0

Government Greenhouse Gas Emissions in 2009
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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Fire Rescue - Fire Protection Services							
Biodiesel (B100)	36	0	0	36	0.1	312	0
Diesel	217	1	1	217	0.8	2,689	0
Gasoline	53	3	3	53	0.2	674	0
OFF ROAD Gasoline	3	0	0	3	0.0	36	0
Subtotal Fire Rescue - Fire Prc	308	5	5	309	1.1	3,711	0
Fire Rescue - Rescue Medical Services							
Biodiesel (B100)	116	0	1	116	0.4	1,012	0
Diesel	702	4	4	703	2.6	8,711	0
Gasoline	83	5	4	84	0.3	1,068	0
OFF ROAD Gasoline	1	0	0	1	0.0	15	0
Subtotal Fire Rescue - Rescue	903	10	9	904	3.3	10,807	0
Fire Rescue - Waldo Fire Station							
Biodiesel (B100)	0	0	0	0	0.0	0	0
Diesel	0	0	0	0	0.0	3	0
Subtotal Fire Rescue - Waldo I	0	0	0	0	0.0	4	0
Fire Rescue - Wildfire Mitigation & Strategic Planning							
Gasoline	29	2	1	29	0.1	368	0
OFF ROAD Diesel	4	0	1	4	0.0	46	0
OFF ROAD Gasoline	1	0	0	1	0.0	9	0
Subtotal Fire Rescue - Wildfire	33	2	3	34	0.1	424	0
Growth Management - Codes Enforcement							
Gasoline	81	3	4	81	0.3	1,034	0
Subtotal Growth Management	81	3	4	81	0.3	1,034	0
Health Department							
Gasoline	124	4	7	125	0.5	1,584	0
Subtotal Health Department	124	4	7	125	0.5	1,584	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Information Telecommunications Services							
Gasoline	1	0	0	1	0.0	17	0
Subtotal Information Telecomn	1	0	0	1	0.0	17	0
Property Appraiser							
Gasoline	42	2	2	42	0.2	534	0
Subtotal Property Appraiser	42	2	2	42	0.2	534	0
Public Information							
Gasoline	1	0	0	1	0.0	7	0
Subtotal Public Information	1	0	0	1	0.0	7	0
Public Works - Animal Services							
Gasoline	183	6	7	184	0.7	2,343	0
Subtotal Public Works - Anima.	183	6	7	184	0.7	2,343	0
Public Works - Development Review							
Gasoline	14	1	1	14	0.1	182	0
Subtotal Public Works - Develc	14	1	1	14	0.1	182	0
Public Works - Fleet Management							
Biodiesel (B100)	11	0	0	11	0.0	100	0
Diesel	70	0	0	70	0.3	863	0
Gasoline	11	1	1	12	0.0	147	0
OFF ROAD Gasoline	0	0	0	0	0.0	3	0
Subtotal Public Works - Fleet M	93	2	1	93	0.3	1,112	0
Public Works - Parks and Recreation							
Biodiesel (B100)	12	0	0	12	0.0	105	0
Diesel	73	0	0	73	0.3	900	0
Gasoline	62	3	3	62	0.2	793	0
OFF ROAD Diesel	1	0	0	1	0.0	16	0
OFF ROAD Gasoline	2	0	0	2	0.0	25	0
Subtotal Public Works - Parks	150	4	4	150	0.6	1,839	0

Government Greenhouse Gas Emissions in 2009
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
Public Works - Solid Waste							
Biodiesel (B100)	249	1	1	250	0.9	2,184	0
Diesel	1,515	9	10	1,517	5.6	18,790	0
Gasoline	53	2	3	54	0.2	683	0
OFF ROAD Diesel	121	6	14	122	0.5	1,496	0
OFF ROAD Gasoline	2	0	1	2	0.0	28	0
Subtotal Public Works - Solid V	1,941	18	28	1,944	7.2	23,180	0
Public Works - Transportation							
Biodiesel (B100)	95	0	0	95	0.4	830	0
Diesel	576	3	4	577	2.1	7,143	0
Gasoline	386	15	17	388	1.4	4,938	0
OFF ROAD Diesel	556	28	82	562	2.1	6,894	0
OFF ROAD Gasoline	14	1	3	14	0.1	182	0
Subtotal Public Works - Transp	1,627	48	107	1,636	6.1	19,988	0
Sheriff's Fleet							
Gasoline	3,201	413	391	3,269	12.1	40,973	0
Subtotal Sheriff's Fleet	3,201	413	391	3,269	12.1	40,973	0
State Attorney							
Gasoline	109	5	6	110	0.4	1,401	0
Subtotal State Attorney	109	5	6	110	0.4	1,401	0
Supervisor of Elections							
Gasoline	4	0	0	4	0.0	52	0
Subtotal Supervisor of Election	4	0	0	4	0.0	52	0
Tax Collector							
Gasoline	8	1	0	8	0.0	105	0
Subtotal Tax Collector	8	1	0	8	0.0	105	0

Government Greenhouse Gas Emissions in 2009
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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Tourist Development							
Gasoline	4	0	0	4	0.0	48	0
Subtotal Tourist Development	4	0	0	4	0.0	48	0
Subtotal Vehicle Fleet	9,105	537	591	9,195	34.0	112,900	0
Total	26,908	587	2,041	27,021	100.0	225,248	0

Appendix G

2008 ICLEI Government Greenhouse Gas Emissions Detailed Report

Government Greenhouse Gas Emissions in 2008
Detailed Report

	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Buildings and Facilities							
Alachua County, Florida							
3 Rivers Building							
Electricity	25	1	2	25	0.1	128	0
Subtotal 3 Rivers Building	25	1	2	25	0.1	128	0
Administration Annex							
Electricity	116	3	8	117	0.4	602	0
Subtotal Administration Annex	116	3	8	117	0.4	602	0
Alachua Sheriff's Fleet							
Electricity	25	1	2	25	0.1	129	0
Natural Gas	2	0	0	2	0.0	42	0
Subtotal Alachua Sheriff's Flee	27	1	2	28	0.1	171	0
Amer Bank - Tourist Development							
Electricity	7	0	1	7	0.0	38	0
Subtotal Amer Bank - Tourist D	7	0	1	7	0.0	38	0
Animal Conrtol (a)							
Electricity	156	4	11	157	0.6	809	0
Natural Gas	26	0	5	26	0.1	447	0
Subtotal Animal Conrtol (a)	182	4	16	183	0.6	1,256	0
Animal Control (b)							
Natural Gas	91	0	17	91	0.3	1,558	0
Subtotal Animal Control (b)	91	0	17	91	0.3	1,558	0
Civil Court House							
Electricity	1,267	33	88	1,273	4.5	6,559	0
Natural Gas	76	0	14	76	0.3	1,299	0
Subtotal Civil Court House	1,343	33	103	1,349	4.8	7,858	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Community Support/Health Department							
Electricity	1,224	31	85	1,230	4.3	6,339	0
Natural Gas	302	1	57	303	1.1	5,170	0
Subtotal Community Support/H.	1,527	33	142	1,533	5.4	11,508	0
Compost Facility							
Electricity	9	0	1	9	0.0	45	0
Subtotal Compost Facility	9	0	1	9	0.0	45	0
Consolidated Communication Center (a)							
Electricity	15	0	1	15	0.1	76	0
Subtotal Consolidated Commu	15	0	1	15	0.1	76	0
Consolidated Communication Center (b)							
Electricity	829	21	58	833	2.9	4,291	0
Natural Gas	85	0	16	85	0.3	1,448	0
Subtotal Consolidated Commu	913	22	74	918	3.2	5,739	0
Cooperative Extension							
Electricity	60	2	4	60	0.2	312	0
Subtotal Cooperative Extensio	60	2	4	60	0.2	312	0
Copeland Park Well							
Electricity	0	0	0	0	0.0	0	134
Subtotal Copeland Park Well	0	0	0	0	0.0	0	134
Corrections/Jail (a)							
Electricity	3	0	0	3	0.0	13	0
Subtotal Corrections/Jail (a)	3	0	0	3	0.0	13	0
Corrections/Jail (b)							
Natural Gas	1,183	4	223	1,186	4.2	20,232	0
Subtotal Corrections/Jail (b)	1,183	4	223	1,186	4.2	20,232	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Corrections/Jail (c)							
Electricity	7	0	1	7	0.0	38	0
Subtotal Corrections/Jail (c)	7	0	1	7	0.0	38	0
Corrections/Jail (d)							
Electricity	3,986	102	278	4,005	14.2	20,636	0
Subtotal Corrections/Jail (d)	3,986	102	278	4,005	14.2	20,636	0
Corrections/Jail (e)							
Electricity	11	0	1	12	0.0	59	0
Subtotal Corrections/Jail (e)	11	0	1	12	0.0	59	0
Corrections/Jail (f)							
Electricity	46	1	3	47	0.2	240	0
Subtotal Corrections/Jail (f)	46	1	3	47	0.2	240	0
County Administration							
Electricity	875	22	61	880	3.1	4,532	0
Natural Gas	101	0	19	101	0.4	1,721	0
Subtotal County Administration	976	23	80	980	3.5	6,253	0
County Day Reporting/Drug Court (a)							
Electricity	47	1	3	47	0.2	241	0
Subtotal County Day Reporting	47	1	3	47	0.2	241	0
County Day Reporting/Drug Court (b)							
Electricity	19	0	1	19	0.1	97	0
Subtotal County Day Reporting	19	0	1	19	0.1	97	0
Court Services							
Electricity	588	15	41	591	2.1	3,044	0
Subtotal Court Services	588	15	41	591	2.1	3,044	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Criminal Court House (a)							
Electricity	1,370	35	95	1,377	4.9	7,094	0
Natural Gas	263	1	50	264	0.9	4,494	0
Subtotal Criminal Court House	1,633	36	145	1,640	5.8	11,589	0
Criminal Court House (b)							
Electricity	11	0	1	11	0.0	57	0
Subtotal Criminal Court House	11	0	1	11	0.0	57	0
Disaster Preparedness Facility (a)							
Electricity	49	1	3	49	0.2	252	0
Subtotal Disaster Preparednes	49	1	3	49	0.2	252	0
Disaster Preparedness Facility (b)							
Electricity	5	0	0	5	0.0	28	0
Subtotal Disaster Preparednes	5	0	0	5	0.0	28	0
Earl Powers Park							
Electricity	0	0	0	0	0.0	2	0
Subtotal Earl Powers Park	0	0	0	0	0.0	2	0
Earl Powers Park - Outdoor Lights							
Electricity	3	0	0	3	0.0	13	0
Subtotal Earl Powers Park - Ou	3	0	0	3	0.0	13	0
Elections Warehouse							
Electricity	65	2	5	65	0.2	335	0
Subtotal Elections Warehouse	65	2	5	65	0.2	335	0
Emergency Medical Team #2							
Electricity	11	0	1	11	0.0	57	0
Subtotal Emergency Medical T	11	0	1	11	0.0	57	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Emergency Medical Team #5							
Electricity	12	0	1	12	0.0	63	1,982
Subtotal Emergency Medical T	12	0	1	12	0.0	63	1,982
Emergency Medical Team #8							
Electricity	34	1	2	34	0.1	176	5,709
Subtotal Emergency Medical T	34	1	2	34	0.1	176	5,709
Emergency Medical Team #9							
Electricity	18	0	1	18	0.1	95	0
Subtotal Emergency Medical T	18	0	1	18	0.1	95	0
Environmental Protection							
Electricity	54	1	4	54	0.2	279	0
Subtotal Environmental Protec	54	1	4	54	0.2	279	0
Fairbanks Collection							
Electricity	4	0	0	4	0.0	19	682
Subtotal Fairbanks Collection	4	0	0	4	0.0	19	682
Farmers Market							
Electricity	6	0	0	6	0.0	31	0
Subtotal Farmers Market	6	0	0	6	0.0	31	0
Fire Rescue Headquarters (a)							
Electricity	216	6	15	217	0.8	1,118	0
Natural Gas	1	0	0	1	0.0	20	0
Subtotal Fire Rescue Headqua	217	6	15	218	0.8	1,138	0
Fire Rescue Headquarters (b)							
Electricity	2	0	0	2	0.0	9	0
Subtotal Fire Rescue Headqua	2	0	0	2	0.0	9	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Fire Rescue Headquarters (c)							
Natural Gas	1	0	0	1	0.0	9	0
Subtotal Fire Rescue Headqua	1	0	0	1	0.0	9	0
Fire Rescue Station #10							
Electricity	8	0	1	8	0.0	42	0
Natural Gas	0	0	0	0	0.0	6	0
Subtotal Fire Rescue Station #	8	0	1	8	0.0	48	0
Fire Rescue Station #12							
Electricity	43	1	3	43	0.2	222	0
Subtotal Fire Rescue Station #	43	1	3	43	0.2	222	0
Fire Rescue Station #12 (Propane)							
Propane	11	0	4	11	0.0	159	0
Subtotal Fire Rescue Station #	11	0	4	11	0.0	159	0
Fire Rescue Station #15							
Electricity	30	1	2	30	0.1	156	5,013
Subtotal Fire Rescue Station #	30	1	2	30	0.1	156	5,013
Fire Rescue Station #15 (Propane)							
Propane	12	0	4	12	0.0	170	0
Subtotal Fire Rescue Station #	12	0	4	12	0.0	170	0
Fire Rescue Station #16							
Electricity	65	2	5	66	0.2	339	0
Subtotal Fire Rescue Station #	65	2	5	66	0.2	339	0
Fire Rescue Station #16 (Propane)							
Propane	7	0	2	7	0.0	98	0
Subtotal Fire Rescue Station #	7	0	2	7	0.0	98	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Fire Rescue Station #19							
Electricity	47	1	3	47	0.2	241	0
Subtotal Fire Rescue Station #	47	1	3	47	0.2	241	0
Fire Rescue Station #19 (Propane)							
Propane	1	0	0	1	0.0	9	0
Subtotal Fire Rescue Station #	1	0	0	1	0.0	9	0
Fire Rescue Station #21							
Electricity	32	1	2	32	0.1	164	4,514
Subtotal Fire Rescue Station #	32	1	2	32	0.1	164	4,514
Fire Rescue Station #21 (Propane)							
Propane	0	0	0	0	0.0	7	0
Subtotal Fire Rescue Station #	0	0	0	0	0.0	7	0
Fire Rescue Station #27							
Electricity	36	1	3	36	0.1	186	5,384
Subtotal Fire Rescue Station #	36	1	3	36	0.1	186	5,384
Fire Rescue Station #27 (Propane)							
Propane	4	0	1	4	0.0	51	0
Subtotal Fire Rescue Station #	4	0	1	4	0.0	51	0
Fire Rescue Station #31							
Electricity	2	0	0	2	0.0	11	462
Subtotal Fire Rescue Station #	2	0	0	2	0.0	11	462
Fire Rescue Station #8 (Propane)							
Propane	11	0	4	11	0.0	157	0
Subtotal Fire Rescue Station #	11	0	4	11	0.0	157	0
Fleet							
Electricity	58	1	4	58	0.2	298	0
Subtotal Fleet	58	1	4	58	0.2	298	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Forest Park							
Electricity	4	0	0	4	0.0	22	0
Subtotal Forest Park	4	0	0	4	0.0	22	0
Grove Park							
Electricity	0	0	0	0	0.0	0	0
Subtotal Grove Park	0	0	0	0	0.0	0	0
Hazardous Waste Collection							
Electricity	13	0	1	13	0.0	66	0
Subtotal Hazardous Waste Col	13	0	1	13	0.0	66	0
High Springs Collection							
Electricity	5	0	0	5	0.0	28	937
Subtotal High Springs Collectic	5	0	0	5	0.0	28	937
Jonesville Fire Rescue Station (Propane)							
Propane	2	0	1	2	0.0	34	0
Subtotal Jonesville Fire Rescu	2	0	1	2	0.0	34	0
Jonesville Fire Station							
Electricity	38	1	3	38	0.1	194	5,919
Subtotal Jonesville Fire Statior	38	1	3	38	0.1	194	5,919
Jonesville Park							
Electricity	12	0	1	12	0.0	62	0
Subtotal Jonesville Park	12	0	1	12	0.0	62	0
Kanapaha Veterans Memorial Park							
Electricity	10	0	1	10	0.0	49	0
Subtotal Kanapaha Veterans M	10	0	1	10	0.0	49	0
Lacrosse Collection							
Electricity	4	0	0	4	0.0	22	783
Subtotal Lacrosse Collection	4	0	0	4	0.0	22	783

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Lake Alto Park							
Electricity	1	0	0	1	0.0	5	0
Subtotal Lake Alto Park	1	0	0	1	0.0	5	0
Lochloosa - Restrooms Boat Ramp							
Electricity	0	0	0	0	0.0	0	0
Subtotal Lochloosa - Restroom	0	0	0	0	0.0	0	0
Main Street Parking Lot							
Electricity	3	0	0	3	0.0	18	0
Subtotal Main Street Parking L	3	0	0	3	0.0	18	0
Marjorie Rawlings Park							
Electricity	0	0	0	0	0.0	1	151
Subtotal Marjorie Rawlings Pai	0	0	0	0	0.0	1	151
Metamorphosis							
Electricity	70	2	5	70	0.2	362	0
Subtotal Metamorphosis	70	2	5	70	0.2	362	0
Metamorphosis Halfway House SW 20th							
Electricity	8	0	1	8	0.0	42	0
Subtotal Metamorphosis Halfw	8	0	1	8	0.0	42	0
Metamorphosis Halfway House SW 40th							
Electricity	10	0	1	10	0.0	53	0
Subtotal Metamorphosis Halfw	10	0	1	10	0.0	53	0
Mobile Home							
Electricity	0	0	0	0	0.0	2	0
Subtotal Mobile Home	0	0	0	0	0.0	2	0
Motor Vehicle Inspection							
Electricity	32	1	2	32	0.1	165	0
Subtotal Motor Vehicle Inspect	32	1	2	32	0.1	165	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Owens Illinois Park							
Electricity	13	0	1	13	0.0	66	2,047
Subtotal Owens Illinois Park	13	0	1	13	0.0	66	2,047
Partners for Productive Community 67th Ter							
Electricity	6	0	0	6	0.0	31	0
Subtotal Partners for Productiv	6	0	0	6	0.0	31	0
Partners for Productive Community SW 20th							
Electricity	0	0	0	0	0.0	2	0
Subtotal Partners for Productiv	0	0	0	0	0.0	2	0
Partners for Productive Community SW 8th - 6716							
Electricity	0	0	0	0	0.0	3	0
Subtotal Partners for Productiv	0	0	0	0	0.0	3	0
Partners for Productive Community SW 8th - 7048							
Electricity	1	0	0	1	0.0	3	0
Subtotal Partners for Productiv	1	0	0	1	0.0	3	0
Pfeifer Collection							
Electricity	3	0	0	3	0.0	18	645
Subtotal Pfeifer Collection	3	0	0	3	0.0	18	645
Public Defender (a)							
Electricity	13	0	1	13	0.0	68	0
Subtotal Public Defender (a)	13	0	1	13	0.0	68	0
Public Defender (b)							
Electricity	34	1	2	34	0.1	175	0
Subtotal Public Defender (b)	34	1	2	34	0.1	175	0
Public Defender (c)							
Electricity	39	1	3	40	0.1	204	0
Subtotal Public Defender (c)	39	1	3	40	0.1	204	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Public Defender (d)							
Electricity	8	0	1	8	0.0	42	0
Subtotal Public Defender (d)	8	0	1	8	0.0	42	0
Public Defender (e)							
Electricity	23	1	2	23	0.1	119	0
Subtotal Public Defender (e)	23	1	2	23	0.1	119	0
Public Works (a)							
Electricity	276	7	19	277	1.0	1,428	0
Subtotal Public Works (a)	276	7	19	277	1.0	1,428	0
Public Works (b)							
Electricity	18	0	1	18	0.1	91	0
Subtotal Public Works (b)	18	0	1	18	0.1	91	0
Public Works Sign Shop							
Electricity	25	1	2	25	0.1	129	0
Subtotal Public Works Sign Sh	25	1	2	25	0.1	129	0
Public Works Warehouse							
Electricity	35	1	2	35	0.1	179	0
Subtotal Public Works Wareho	35	1	2	35	0.1	179	0
Public Works Wash Rack							
Electricity	3	0	0	3	0.0	14	0
Subtotal Public Works Wash R	3	0	0	3	0.0	14	0
Records Retention							
Electricity	88	2	6	89	0.3	458	0
Natural Gas	14	0	3	14	0.1	242	0
Subtotal Records Retention	103	2	9	103	0.4	700	0

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Santa Fe Boat Ramp							
Electricity	3	0	0	3	0.0	15	572
Subtotal Santa Fe Boat Ramp	3	0	0	3	0.0	15	572
Santa Fe Mobile Home							
Electricity	10	0	1	10	0.0	53	1,641
Subtotal Santa Fe Mobile Hom	10	0	1	10	0.0	53	1,641
Sheriff Headquarters							
Electricity	721	19	50	725	2.6	3,734	0
Natural Gas	35	0	7	35	0.1	590	0
Subtotal Sheriff Headquarters	756	19	57	759	2.7	4,324	0
Sheriff's Office 48th Ave							
Electricity	25	1	2	25	0.1	127	0
Subtotal Sheriff's Office 48th A	25	1	2	25	0.1	127	0
Sheriffs Office 21st Lane							
Electricity	8	0	1	8	0.0	43	0
Subtotal Sheriffs Office 21st La	8	0	1	8	0.0	43	0
Star Garage							
Electricity	11	0	1	11	0.0	57	0
Subtotal Star Garage	11	0	1	11	0.0	57	0
State Attorney (a)							
Electricity	430	11	30	432	1.5	2,227	0
Subtotal State Attorney (a)	430	11	30	432	1.5	2,227	0
State Attorney (b)							
Electricity	0	0	0	0	0.0	2	0
Subtotal State Attorney (b)	0	0	0	0	0.0	2	0

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SW Landfill 1							
Electricity	32	1	2	33	0.1	168	4,209
Subtotal SW Landfill 1	32	1	2	33	0.1	168	4,209
SW Landfill 2							
Electricity	1	0	0	1	0.0	3	233
Subtotal SW Landfill 2	1	0	0	1	0.0	3	233
SW Landfill 3							
Electricity	1	0	0	1	0.0	7	332
Subtotal SW Landfill 3	1	0	0	1	0.0	7	332
SW Landfill Trash Compactor							
Electricity	4	0	0	4	0.0	21	790
Subtotal SW Landfill Trash Co	4	0	0	4	0.0	21	790
Tag Agency NW 34th St							
Electricity	52	1	4	52	0.2	270	0
Subtotal Tag Agency NW 34th	52	1	4	52	0.2	270	0
Tag Agency SW 35th Blvd							
Electricity	127	3	9	128	0.5	659	0
Subtotal Tag Agency SW 35th	127	3	9	128	0.5	659	0
Tools For School							
Electricity	2	0	0	2	0.0	10	0
Subtotal Tools For School	2	0	0	2	0.0	10	0
Transfer Station (a)							
Electricity	153	4	11	154	0.5	791	0
Subtotal Transfer Station (a)	153	4	11	154	0.5	791	0
Transfer Station (b)							
Electricity	24	1	2	24	0.1	123	0
Subtotal Transfer Station (b)	24	1	2	24	0.1	123	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Transfer Station (c)							
Electricity	0	0	0	0	0.0	2	0
Subtotal Transfer Station (c)	0	0	0	0	0.0	2	0
Transfer Station Scale House							
Electricity	1	0	0	1	0.0	5	0
Subtotal Transfer Station Scale	1	0	0	1	0.0	5	0
Wilson Building							
Electricity	26	1	2	26	0.1	132	0
Subtotal Wilson Building	26	1	2	26	0.1	132	0
Subtotal Buildings and Facilities	16,153	367	1,397	16,224	57.3	110,047	42,139
Streetlights & Traffic Signals							
Alachua County, Florida							
241 & 26 Intersection							
Electricity	2	0	0	2	0.0	11	430
Subtotal 241 & 26 Intersection	2	0	0	2	0.0	11	430
10001 NW 39th Ave - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 10001 NW 39th Ave -	2	0	0	2	0.0	9	0
10461 NW 39th Ave - TFLT							
Electricity	6	0	0	6	0.0	31	0
Subtotal 10461 NW 39th Ave -	6	0	0	6	0.0	31	0
10898 SW 24th Ave - Signal							
Electricity	0	0	0	0	0.0	0	0
Subtotal 10898 SW 24th Ave -	0	0	0	0	0.0	0	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
1100 SE 43 St - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1100 SE 43 St - Flash	0	0	0	0	0.0	0	0
12200 W Newberry Rd - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 12200 W Newberry R	2	0	0	2	0.0	9	0
12204 SW Archer Rd - Traffic Signal							
Electricity	4	0	0	4	0.0	20	697
Subtotal 12204 SW Archer Rd	4	0	0	4	0.0	20	697
1400 SW 75th St - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1400 SW 75th St - Fla	0	0	0	0	0.0	0	0
15550 N S. R. 121							
Electricity	0	0	0	0	0.0	2	201
Subtotal 15550 N S. R. 121	0	0	0	0	0.0	2	201
1600 Ft Clark Blvd - TFLT							
Electricity	0	0	0	0	0.0	0	0
Subtotal 1600 Ft Clark Blvd - T	0	0	0	0	0.0	0	0
2000 SW 34 ST - TFLT							
Electricity	3	0	0	3	0.0	15	0
Subtotal 2000 SW 34 ST - TFL	3	0	0	3	0.0	15	0
2000 SW Willeston Rd - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 2000 SW Willeston Rd	0	0	0	0	0.0	0	0
20099 N SR 121 TFLT							
Electricity	0	0	0	0	0.0	0	135
Subtotal 20099 N SR 121 TFL	0	0	0	0	0.0	0	135

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
20180 NE SR 26							
Electricity	0	0	0	0	0.0	2	181
Subtotal 20180 NE SR 26	0	0	0	0	0.0	2	181
219A & SR 26 (Caution Light)							
Electricity	0	0	0	0	0.0	2	187
Subtotal 219A & SR 26 (Cautic	0	0	0	0	0.0	2	187
2300 Ft Clarke Blvd - Signal							
Electricity	1	0	0	1	0.0	6	0
Subtotal 2300 Ft Clarke Blvd -	1	0	0	1	0.0	6	0
2300 NW 83 ST - Light							
Electricity	1	0	0	1	0.0	6	0
Subtotal 2300 NW 83 ST - Ligl	1	0	0	1	0.0	6	0
232/235 - Flasher							
Electricity	1	0	0	1	0.0	3	193
Subtotal 232/235 - Flasher	1	0	0	1	0.0	3	193
26 & 241 South - Traffic Signal							
Electricity	2	0	0	2	0.0	10	400
Subtotal 26 & 241 South - Traf.	2	0	0	2	0.0	10	400
2600 SW School House RD - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 2600 SW School Hou.	0	0	0	0	0.0	0	0
2700 SW 34 ST - TFLT							
Electricity	1	0	0	1	0.0	7	0
Subtotal 2700 SW 34 ST - TFL	1	0	0	1	0.0	7	0
2701 NW 51st St. Signal							
Electricity	6	0	0	6	0.0	31	0
Subtotal 2701 NW 51st St. Sig.	6	0	0	6	0.0	31	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
2798 NW 83rd - TFLT							
Electricity	1	0	0	1	0.0	8	0
Subtotal 2798 NW 83rd - TFLT	1	0	0	1	0.0	8	0
27th & 26							
Electricity	3	0	0	3	0.0	14	515
Subtotal 27th & 26	3	0	0	3	0.0	14	515
3000 SE 15 St - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 3000 SE 15 St - Flash	0	0	0	0	0.0	0	0
301/26 Hawthorne - TFLT							
Electricity	1	0	0	1	0.0	5	253
Subtotal 301/26 Hawthorne - T	1	0	0	1	0.0	5	253
301/26 Orange Heights - TFLT							
Electricity	0	0	0	0	0.0	2	174
Subtotal 301/26 Orange Heigh	0	0	0	0	0.0	2	174
3266 NW 83rd St. - Signal							
Electricity	1	0	0	1	0.0	4	0
Subtotal 3266 NW 83rd St. - Si	1	0	0	1	0.0	4	0
39 Ave & 26							
Electricity	4	0	0	4	0.0	21	721
Subtotal 39 Ave & 26	4	0	0	4	0.0	21	721
3900 NW 51 St - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 3900 NW 51 St - TFL	2	0	0	2	0.0	9	0
3900 NW 83 St - TFLT							
Electricity	2	0	0	2	0.0	8	0
Subtotal 3900 NW 83 St - TFL	2	0	0	2	0.0	8	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
39th and 241 (Caution Light)							
Electricity	3	0	0	3	0.0	14	527
Subtotal 39th and 241 (Cautior	3	0	0	3	0.0	14	527
400 NW 75 St - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 400 NW 75 St - TFLT	2	0	0	2	0.0	9	0
400 SE 43 St - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 400 SE 43 St - Flash	0	0	0	0	0.0	0	0
4002 SW Archer Rd - Signal							
Electricity	6	0	0	6	0.0	30	0
Subtotal 4002 SW Archer Rd -	6	0	0	6	0.0	30	0
4288 SW Archer Rd - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 4288 SW Archer Rd -	2	0	0	2	0.0	9	0
4291 SE Hawthorne Rd - TFLT							
Electricity	1	0	0	1	0.0	6	0
Subtotal 4291 SE Hawthorne F	1	0	0	1	0.0	6	0
4300 SW 20 Ave - TFLT							
Electricity	3	0	0	3	0.0	14	0
Subtotal 4300 SW 20 Ave - TF	3	0	0	3	0.0	14	0
4323 E Univ. Ave - Signal							
Electricity	0	0	0	0	0.0	0	0
Subtotal 4323 E Univ. Ave - Si	0	0	0	0	0.0	0	0
4500 SW 75 St - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 4500 SW 75 St - Flasi	0	0	0	0	0.0	0	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
4600 SW 75th - Flash							
Electricity	0	0	0	0	0.0	1	0
Subtotal 4600 SW 75th - Flash	0	0	0	0	0.0	1	0
4601 SW 75th - Flash							
Electricity	0	0	0	0	0.0	1	0
Subtotal 4601 SW 75th - Flash	0	0	0	0	0.0	1	0
6149 Millhopper Rd - Signal							
Electricity	0	0	0	0	0.0	2	0
Subtotal 6149 Millhopper Rd -	0	0	0	0	0.0	2	0
6295 SW Archer Rd - TFLT							
Electricity	1	0	0	1	0.0	8	0
Subtotal 6295 SW Archer Rd -	1	0	0	1	0.0	8	0
6800 SW 24th Ave - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 6800 SW 24th Ave - F	0	0	0	0	0.0	0	0
7500 SW 24 Ave - TFLT							
Electricity	2	0	0	2	0.0	10	0
Subtotal 7500 SW 24 Ave - TF	2	0	0	2	0.0	10	0
7500 SW 46 Blvd - TFLT							
Electricity	1	0	0	1	0.0	7	0
Subtotal 7500 SW 46 Blvd - TF	1	0	0	1	0.0	7	0
7500 SW 8 Ave - TFLT							
Electricity	2	0	0	2	0.0	8	0
Subtotal 7500 SW 8 Ave - TFL	2	0	0	2	0.0	8	0
7500 SW Archer Rd - TFLT							
Electricity	3	0	0	3	0.0	13	0
Subtotal 7500 SW Archer Rd -	3	0	0	3	0.0	13	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
7500 W Newberry Rd - TFLT							
Electricity	2	0	0	2	0.0	11	0
Subtotal 7500 W Newberry Rd	2	0	0	2	0.0	11	0
7600 W Newberry Rd - TFLT							
Electricity	2	0	0	2	0.0	8	0
Subtotal 7600 W Newberry Rd	2	0	0	2	0.0	8	0
7803 NW SR 45							
Electricity	0	0	0	0	0.0	2	174
Subtotal 7803 NW SR 45	0	0	0	0	0.0	2	174
9086 SW Archer Rd - Traffic Signal							
Electricity	1	0	0	1	0.0	7	329
Subtotal 9086 SW Archer Rd -	1	0	0	1	0.0	7	329
9100 Newberry Rd - TFLT							
Electricity	2	0	0	2	0.0	9	0
Subtotal 9100 Newberry Rd - T	2	0	0	2	0.0	9	0
9100 NW 39 Ave - Signal							
Electricity	2	0	0	2	0.0	10	0
Subtotal 9100 NW 39 Ave - Sig	2	0	0	2	0.0	10	0
9100 SW 24th Ave - Flash							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9100 SW 24th Ave - F	0	0	0	0	0.0	0	0
9100 SW 8 Ave - Flash							
Electricity	3	0	0	3	0.0	18	0
Subtotal 9100 SW 8 Ave - Flas	3	0	0	3	0.0	18	0
9100B W Newberry Rd - TFLT							
Electricity	2	0	0	2	0.0	8	0
Subtotal 9100B W Newberry R	2	0	0	2	0.0	8	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
9205 NW 23 Ave - Flash							
Electricity	0	0	0	0	0.0	2	0
Subtotal 9205 NW 23 Ave - Fla	0	0	0	0	0.0	2	0
9293 NW 39th Ave - TFLT							
Electricity	4	0	0	4	0.0	20	0
Subtotal 9293 NW 39th Ave - T	4	0	0	4	0.0	20	0
9300 NW 43 St - Flash							
Electricity	1	0	0	1	0.0	5	0
Subtotal 9300 NW 43 St - Flas	1	0	0	1	0.0	5	0
9301 NW 23 Ave - Elec 2							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9301 NW 23 Ave - Ele	0	0	0	0	0.0	0	0
9601 NW 39th Ave - TFLT							
Electricity	3	0	0	3	0.0	15	0
Subtotal 9601 NW 39th Ave - T	3	0	0	3	0.0	15	0
98 Sw 75th St - TFLT							
Electricity	2	0	0	2	0.0	10	0
Subtotal 98 Sw 75th St - TFLT	2	0	0	2	0.0	10	0
9800 N Newberry Rd - Flash							
Electricity	2	0	0	2	0.0	10	0
Subtotal 9800 N Newberry Rd	2	0	0	2	0.0	10	0
9800 NW 23 Ave - Signal							
Electricity	0	0	0	0	0.0	1	0
Subtotal 9800 NW 23 Ave - Sig	0	0	0	0	0.0	1	0
9800 NW 23 Ave - TFLT							
Electricity	3	0	0	3	0.0	15	0
Subtotal 9800 NW 23 Ave - TF	3	0	0	3	0.0	15	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
9900 SW 24 Ave - TFLT							
Electricity	0	0	0	0	0.0	0	0
Subtotal 9900 SW 24 Ave - TF	0	0	0	0	0.0	0	0
9919 SE Hawthorne Rd - Flashing Beacon							
Electricity	0	0	0	0	0.0	2	172
Subtotal 9919 SE Hawthorne F	0	0	0	0	0.0	2	172
Archer School - Blinking Light							
Electricity	0	0	0	0	0.0	0	117
Subtotal Archer School - Blinki.	0	0	0	0	0.0	0	117
County Unincorporated Street Lights (a)							
Electricity	350	9	24	351	1.2	1,810	0
Subtotal County Unincorporate	350	9	24	351	1.2	1,810	0
County Unincorporated Street Lights (b)							
Electricity	2,268	58	158	2,279	8.1	11,740	0
Subtotal County Unincorporate	2,268	58	158	2,279	8.1	11,740	0
CR 234 & US 441 Ca Light							
Electricity	1	0	0	1	0.0	3	219
Subtotal CR 234 & US 441 Ca	1	0	0	1	0.0	3	219
Grove Park - Blinker							
Electricity	0	0	0	0	0.0	0	119
Subtotal Grove Park - Blinker	0	0	0	0	0.0	0	119
Intersection SR 26 & 301							
Electricity	2	0	0	2	0.0	10	417
Subtotal Intersection SR 26 & :	2	0	0	2	0.0	10	417
Millhopper Rd & 241 (Caution Light)							
Electricity	0	0	0	0	0.0	2	186
Subtotal Millhopper Rd & 241 (	0	0	0	0	0.0	2	186

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
NW 78 Ave & 241 (Caution Light)							
Electricity	0	0	0	0	0.0	2	202
Subtotal NW 78 Ave & 241 (Ca	0	0	0	0	0.0	2	202
Traffic Signals #301 & 225							
Electricity	0	0	0	0	0.0	2	70
Subtotal Traffic Signals #301 &	0	0	0	0	0.0	2	70
Subtotal Streetlights & Traffic Si	2,722	70	190	2,735	9.7	14,090	6,619
Water Delivery Facilities							
Alachua County, Florida							
Sante Fe Hills Water Supply							
Electricity	10	0	1	10	0.0	52	0
Subtotal Sante Fe Hills Water	10	0	1	10	0.0	52	0
Subtotal Water Delivery Facilities	10	0	1	10	0.0	52	0
Solid Waste Facilities							
Alachua County, Florida							
Government Operations Waste							
Carbon Dioxide	223	0	0	223	0.8	0	0
Subtotal Government Operatio	223	0	0	223	0.8	0	0
Subtotal Solid Waste Facilities	223	0	0	223	0.8	0	0
Vehicle Fleet							
Alachua County, Florida							
Administrative Services - Facilities Management							
Gasoline	106	9	6	108	0.4	1,361	0
OFF ROAD Diesel	19	1	2	19	0.1	236	0
OFF ROAD Gasoline	5	0	1	5	0.0	67	0
Subtotal Administrative Service	131	10	9	132	0.5	1,665	0

Government Greenhouse Gas Emissions in 2008
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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Administrative Services - Risk Management							
Gasoline	6	0	0	6	0.0	75	0
Subtotal Administrative Servic	6	0	0	6	0.0	75	0
Clerk of the Court							
Diesel	1	0	0	1	0.0	6	0
Gasoline	9	1	1	9	0.0	116	0
Subtotal Clerk of the Court	10	1	1	10	0.0	122	0
Community Support - Administration							
Gasoline	10	1	1	11	0.0	133	0
Subtotal Community Support -	10	1	1	11	0.0	133	0
Community Support Services - Ag Extension							
Gasoline	3	0	0	3	0.0	37	0
Subtotal Community Support S	3	0	0	3	0.0	37	0
Community Support Services - CHOICES							
Gasoline	2	0	0	2	0.0	25	0
Subtotal Community Support S	2	0	0	2	0.0	25	0
Community Support Services - Foster Grandparents Grant							
Gasoline	2	0	0	2	0.0	22	0
Subtotal Community Support S	2	0	0	2	0.0	22	0
Court Services - Community Services							
Gasoline	30	1	1	30	0.1	384	0
Subtotal Court Services - Com	30	1	1	30	0.1	384	0
Court Services - Metamorphosis							
Gasoline	2	0	0	2	0.0	28	0
Subtotal Court Services - Meta	2	0	0	2	0.0	28	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Court Services - Pretrail							
Gasoline	1	0	0	1	0.0	14	0
Subtotal Court Services - Pretr	1	0	0	1	0.0	14	0
Court Services - Probation							
Gasoline	2	0	0	2	0.0	26	0
Subtotal Court Services - Prob	2	0	0	2	0.0	26	0
Court Services - Work Release							
Gasoline	4	0	0	4	0.0	45	0
Subtotal Court Services - Work	4	0	0	4	0.0	45	0
Environmental Protection - Environmental Protection Administration							
Gasoline	3	0	0	3	0.0	35	0
Subtotal Environmental Protec	3	0	0	3	0.0	35	0
Environmental Protection - Hazardous Materials							
Gasoline	5	1	0	5	0.0	69	0
Subtotal Environmental Protec	5	1	0	5	0.0	69	0
Environmental Protection - Hazardous Waste Collection							
Gasoline	18	0	1	18	0.1	229	0
Subtotal Environmental Protec	18	0	1	18	0.1	229	0
Environmental Protection - Land Conservation							
Gasoline	10	1	1	11	0.0	132	0
OFF ROAD Gasoline	0	0	0	0	0.0	1	0
Subtotal Environmental Protec	10	1	1	11	0.0	133	0
Environmental Protection - Natural Resouces Protection							
Gasoline	4	0	0	4	0.0	53	0
Subtotal Environmental Protec	4	0	0	4	0.0	53	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Environmental Protection - Petroleum Management							
Gasoline	10	0	0	10	0.0	124	0
Subtotal Environmental Protec	10	0	0	10	0.0	124	0
Environmental Protection - Water Quality							
Gasoline	6	0	0	6	0.0	72	0
Subtotal Environmental Protec	6	0	0	6	0.0	72	0
Fire and Rescue - Emergency Management							
Biodiesel (B100)	0	0	0	0	0.0	2	0
Diesel	1	0	0	1	0.0	16	0
Gasoline	9	0	0	9	0.0	118	0
Subtotal Fire and Rescue - Em	11	0	0	11	0.0	136	0
Fire and Rescue - Enhanced 911							
Gasoline	3	0	0	3	0.0	41	0
OFF ROAD Gasoline	1	0	0	1	0.0	8	0
Subtotal Fire and Rescue - Enl	4	0	0	4	0.0	49	0
Fire and Rescue - Fire and Rescue Administration							
Gasoline	16	2	1	17	0.1	209	0
Subtotal Fire and Rescue - Fire	16	2	1	17	0.1	209	0
Fire and Rescue - Fire Protection Services							
Biodiesel (B100)	35	0	0	35	0.1	310	0
Diesel	215	1	1	215	0.8	2,663	0
Gasoline	65	4	3	66	0.2	836	0
OFF ROAD Diesel	0	0	0	0	0.0	3	0
OFF ROAD Gasoline	3	0	0	3	0.0	37	0
Subtotal Fire and Rescue - Fire	319	6	5	320	1.1	3,849	0
Fire and Rescue - Rescue Medical Services							
Biodiesel (B100)	116	0	1	116	0.4	1,018	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	(%)	Energy (MMBtu)	Cost ($)
Diesel	706	4	4	707	2.5	8,755	0
Gasoline	103	8	6	105	0.4	1,322	0
OFF ROAD Gasoline	1	0	0	1	0.0	10	0
Subtotal Fire and Rescue - Re:	926	12	11	928	3.3	11,104	0
Fire and Rescue - Wildfire Mitigation & Strategic Planning							
Gasoline	28	2	1	29	0.1	361	0
OFF ROAD Diesel	4	0	1	5	0.0	56	0
OFF ROAD Gasoline	1	0	0	1	0.0	14	0
Subtotal Fire and Rescue - Wil	34	2	3	34	0.1	431	0
General Government - County Manager							
Gasoline	2	0	0	2	0.0	24	0
Subtotal General Government	2	0	0	2	0.0	24	0
General Government - Public Information							
Gasoline	5	0	0	5	0.0	59	0
Subtotal General Government	5	0	0	5	0.0	59	0
General Government - Tourist Development							
Gasoline	5	0	0	5	0.0	63	0
Subtotal General Government	5	0	0	5	0.0	63	0
Growth Management - Codes Enforcement							
Gasoline	106	4	5	107	0.4	1,361	0
Subtotal Growth Management	106	4	5	107	0.4	1,361	0
Health Department							
Gasoline	104	4	6	105	0.4	1,329	0
Subtotal Health Department	104	4	6	105	0.4	1,329	0
Information Telecommunications Services - Information Services							
Gasoline	4	0	0	4	0.0	55	0
Subtotal Information Telecomn	4	0	0	4	0.0	55	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
Property Appraiser							
Gasoline	42	6	4	43	0.2	534	0
Subtotal Property Appraiser	42	6	4	43	0.2	534	0
Public Works - Animal Services							
Gasoline	174	9	8	176	0.6	2,233	0
Subtotal Public Works - Anima.	174	9	8	176	0.6	2,233	0
Public Works - Development Review							
Gasoline	17	1	1	17	0.1	213	0
Subtotal Public Works - Develc	17	1	1	17	0.1	213	0
Public Works - Fleet Management							
Biodiesel (B100)	11	0	0	11	0.0	98	0
Diesel	68	0	0	68	0.2	844	0
Gasoline	21	2	1	22	0.1	273	0
OFF ROAD Gasoline	1	0	0	1	0.0	13	0
Subtotal Public Works - Fleet M	102	3	2	102	0.4	1,227	0
Public Works - Parks and Recreation							
Biodiesel (B100)	9	0	0	9	0.0	76	0
Diesel	53	0	0	53	0.2	654	0
Gasoline	49	3	3	50	0.2	630	0
OFF ROAD Diesel	2	0	0	2	0.0	22	0
OFF ROAD Gasoline	3	0	0	3	0.0	32	0
Subtotal Public Works - Parks	115	4	4	116	0.4	1,414	0
Public Works - Solid Waste							
Biodiesel (B100)	227	1	1	227	0.8	1,985	0
Diesel	1,377	8	9	1,378	4.9	17,077	0
Gasoline	55	2	3	55	0.2	703	0
OFF ROAD Diesel	109	6	12	110	0.4	1,353	0

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	CO_2 (tons)	N_2O (lbs)	CH_4 (lbs)	Equiv CO_2 (tons)	Equiv CO_2 (%)	Energy (MMBtu)	Cost ($)
OFF ROAD Gasoline	1	0	0	1	0.0	7	0
Subtotal Public Works - Solid V	1,768	17	25	1,771	6.3	21,124	0
Public Works - Trasportation							
Biodiesel (B100)	107	0	0	107	0.4	936	0
Diesel	649	4	4	650	2.3	8,052	0
Gasoline	371	16	17	374	1.3	4,749	0
OFF ROAD Diesel	574	29	83	579	2.0	7,110	0
OFF ROAD Gasoline	15	1	3	15	0.1	187	0
Subtotal Public Works - Traspc	1,715	50	108	1,724	6.1	21,034	0
Sheriff's Fleet							
Gasoline	3,153	403	381	3,219	11.4	40,355	0
Subtotal Sheriff's Fleet	3,153	403	381	3,219	11.4	40,355	0
State Attorney Fleet							
Gasoline	114	6	7	115	0.4	1,462	0
Subtotal State Attorney Fleet	114	6	7	115	0.4	1,462	0
Supervisor of Elections							
Gasoline	11	1	1	11	0.0	138	0
Subtotal Supervisor of Election	11	1	1	11	0.0	138	0
Tax Collector's Fleet							
Gasoline	8	1	0	8	0.0	105	0
Subtotal Tax Collector's Fleet	8	1	0	8	0.0	105	0
Subtotal Vehicle Fleet	9,012	548	589	9,103	32.2	111,801	0
Total	28,120	985	2,177	28,295	100.0	235,990	48,758