



**CITY OF ANN ARBOR**  
**GREEN FLEETS ANNUAL REPORT**  
**FY20**

## **Contents**

Summary.....	2
Green Fleets Team .....	3
Vehicle Inventory.....	4
Electrification of the Fleet.....	9
Optimizing Fleet Size – Low Use Vehicles .....	11
Policy Changes .....	12
Performance Measures.....	12

*Attachment A – Light Duty Vehicle Inventory Detail*

*Attachment B – Heavy Equipment Inventory Detail*

## **Section 1 - Summary**

Fiscal Year 2020 (FY20) began as an active period as the Green Fleets Team entered its second year of efforts to implement the City's Green Fleets Policy. Unfortunately, due to the COVID-19 pandemic that began to sweep through the United States in March 2020, the Green Fleets Team activities fizzled out as City of Ann Arbor and State of Michigan severely curtailed operations to reduce the threat to public health.

If there can be a positive outcome from the pandemic, it may be the reductions in fuel usage and vehicle emissions in the City's fleet. In FY20, the City experienced reductions in fuel consumption and vehicle emissions in excess of 15% from the previous year. Additionally, the pandemic compelled the City to modify how it operates with remote meetings, staff working from home, partial building closures and other changes that reduce fuel usage and emissions in general. While some of these changes will be short term, the City is evaluating others that may become permanent. Changes such as remote meetings and work from home policies will reduce vehicle miles travelled, both in City and personal vehicles, and reduce emissions consistent with Section 8.c of the Green Fleets Policy.

The City continues to take positive steps in implementing the Green Fleets Policy and attaining the Measures of Success provided in Section 3 of the Policy.

- In FY20, City fleet vehicle emissions were reduced by 515 metric tons of carbon dioxide equivalents (MTCO<sub>2e</sub>), a 16.06% decrease in emissions from the previous year.
- In FY20, City fleet fuel consumption (gasoline and diesel combined) was reduced by 52,413 gallons, a 15.19% decrease in usage from FY19.
- The size of the City's fleet was reduced again in FY20 while the number of plug-in electric vehicles (PEV) in the fleet continues to increase.

While the pandemic is still impacting the world in FY21, many City operations have adapted and returned to near normal service levels which will likely result in increased fuel consumption and vehicle emissions over FY20 numbers.

FY20 activities of the Green Fleets Team were focused on the following:

- Reviewing vehicle purchase recommendations for compliance with the Policy
- Preparation of the annual report and recommending modifications to the Policy
- Addressing the City's Fleet Electrification 2025 goal
- Electrification of the City's Construction Fund vehicles
- Exploring grant opportunities for electrification of the fleet and developing the charging infrastructure to support electrification
- Developing ways to reduce fleet size, increase use of motor pool vehicles, and explore options for conversion of the police department fleet.

## **Section 2 - Green Fleets Team**

The Green Fleets Policy established a Green Fleets Team comprised of representatives of the City's four Service Areas (Public Services, Finance & Administrative Services, Safety Services, and Community Services) in addition to Fleet Services and the Office of Sustainability and Innovation (OSI).

The function of this Team is to develop and monitor policies, procedures and practices related to the purchase and use of City vehicles and fuel-using equipment to achieve the goals and objectives of the updated Policy. The Team will receive Fleet Service's inputs and report progress and findings to the City Administrator at least annually and as appropriate, including any proposed alterations to the Policy.

The Service Area Administrators appointment their representatives to the Team which is scheduled to meet monthly. Seven meetings were held in FY20 prior to the start of the pandemic.

The Team was active in the first half of the year and worked directly with OSI and Fleet Services on many initiatives. Activities in FY20 included:

- All vehicles and equipment purchased by the City was reviewed and evaluated by the Team before purchasing decisions were made. Requesting departments are clearly aware of the process and putting much more effort up front into the review of EV, hybrid or green vehicle options.
- Preparation of the Annual Report and recommendations of changes to the Green Fleets Policy.
- In October 2019, the City Administrator's Office outlined a goal of having the City Fleet electrified by the end of 2025. This Fleet Electrification 2025 effort continues to be an ambitious goal for the Team and efforts are underway for its implementation. The Team has also coordinated with the Electrification Coalition on this effort.
- Efforts were initiated to convert all of the inspection vehicles within the Construction Fund to fully electric vehicles. This effort also requires a substantial development of charging infrastructure to support the conversion. To make this transition, 14 fully electric vehicles were ordered in FY20.
- Team members reviewed a number of grant opportunities to subsidize the cost of fleet electrification and the installation of charging infrastructure. Multiple applications were submitted in FY20 with positive results occurring in FY21.
- The Team reviewed and identified low use vehicles (Fleet Optimization) and initiated the evaluation process with Unit Managers, Service Area Administrators and the City Administrator.
- A review of the City's Motor Pool vehicles, usage, and opportunities to optimize its use. Alternatives to the Motor Pool were also reviewed.
- A field trip to evaluate vehicle usage by the City's Police Department, which allows the Team to better understand challenges and opportunities in transitioning this large segment of the City's Fleet.

### **Section 3 - Vehicle Inventory**

The City classifies vehicles in multiple ways. The primary classifications are light duty vehicles and heavy equipment. Light duty vehicles typically include all passenger vehicles, vans, motorcycles, and pickup trucks (1 ton or less). Heavy equipment is everything else including dump trucks, solid waste vehicles, fire apparatus, riding mowers, loaders, air compressors, and other fuel burning specialized equipment.

Fleet inventory also includes many non-fuel burning assets such as trailers, plows and other equipment powered by a power take-off (PTO) or hydraulic connections to the host vehicle. These non-fuel burning assets are not included in any inventory or vehicle/equipment counts provided in this report.

#### **A. Inventory Adjustments**

There are several City vehicles that are not in the City's Fleet Fund for replacement purposes. Many of these are older, single purpose vehicles that are operated at a specific City facility (Water Treatment Plant, Wastewater Treatment Plant, Airport, Golf Courses, etc) and are not used on the road. The number of these vehicles continues to decline each year as they are replaced and then "bought" into the Fleet Fund.

During FY20, the following adjustments were made to vehicle inventory:

- One piece of heavy equipment (6820) was identified and added to the inventory sections of the report.
- One piece of heavy equipment (4749), removed from service in FY19, was eventually replaced in FY20.
- The City transitioned 23 pieces of golf course equipment over to the Fleet Fund during FY17 – FY19.

The light duty and heavy equipment inventory details for FY20 reflect the additional identified asset and the golf course equipment and the previous year's totals have been adjusted as well.

#### **B. Light Duty Vehicle Activity**

The City began the fiscal year with 211 light duty vehicles in active service and finished the year with 209 light duty vehicles in service for a net reduction of two light vehicles during the fiscal year. The following vehicles were either put in service or removed from service during the fiscal year:

##### **Put In Service**

0037	Police – 2018 Ford Utility	0038	Police – 2019 Ford Utility
0039	Police – 2019 Ford Utility	0040	Police – 2019 Ford Utility
0041	Police – 2020 Ford Utility Hybrid	0042	Police – 2020 Ford Utility Hybrid

0092	Police – 2020 Ford Utility Hybrid	0170	Police – 2019 SUV
0171	Police – 2019 SUV	0332	Police – 2020 Ford Expedition
0501	Comm Stds – 2020 Chev Bolt EV	0503	Comm Stds – 2020 Chev Bolt EV
1105	Motor Pool – 2020 Chev Bolt EV	2251	WWTP - 2020 Ford F-250
6278	Forestry - 2020 Ford F-250 4WD	7207	Airport – 2020 Ford F-350 4WD

### Removed From Service

0084	Police – 2013 Ford Interceptor Sedan	0086	Police – 2013 Ford Interceptor Sedan
0087	Police – 2013 Ford Interceptor Sedan	0158	Police – 2013 Ford Explorer
0160	Police – 2013 Ford Explorer	0338	Police – 2012 Ford Explorer
0339	Police – 2013 Ford Expedition	0345	Police – 2014 Ford Interceptor Utility
0352	Police – 2014 Ford Interceptor Utility	0353	Police – 2014 Ford Interceptor Utility (accident) *
0355	Police – 2017 Ford Interceptor Utility	0513	Comm Stds – 2013 Ford Focus
0514	Comm Stds – 2013 Ford Focus	1017	Fire – 2016 Ford Fusion (not replaced)
1101	Motor Pool – 2013 Ford Focus	2250	WWTP – 2007 Ford Freestar (not replaced)
2293	WWTP – 2009 Ford F-250	6295	Forestry–2013 GMC Sierra 2500 4WD
7205	Airport – 2010 Ford F-350 4WD		

\*A replacement for 0353 was put in service in FY21.

A complete list of light duty vehicles in service as of June 30, 2020 is included in *Attachment A*.

### C. Heavy Equipment Activity

The City began the fiscal year with 184 pieces of heavy equipment in active service and finished the year with 181 pieces of heavy equipment in service. The replacements for two pieces of equipment, which were removed from service in FY19, were put in service in FY20, which resulted in a net reduction of three pieces of heavy equipment during the fiscal year. The

following pieces of heavy equipment were either put in service or removed from service during the fiscal year:

**Put In Service**

1064	Fire – 2019 Spartan Crimson Pumper/Rescue Engine
2611	Sewer – 2020 Western Star 4700 Vector Truck *
2816	Sewer – 2020 Doosan P185 Air Compressor
2817	Storm Water – 2020 Doosan P185 Air Compressor
2904	WWTP – 2020 Polaris Ranger Electric Utility Vehicle
2913	WWTP – 2020 Polaris Ranger Electric Utility Vehicle
4402	Streets – 2020 Bobcat Toolcat Utility Vehicle (new addition to Fleet)
4746	Streets – 2020 Elgin Broom Badger Street Sweeper *
4914	Streets – 2019 Caterpillar Electric Forklift
6780	Parks – 2020 Ventrac 4500Y Tractor
8634	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck
8635	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck
8636	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck
8637	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck
8647	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck
8648	Solid Waste – 2020 Autocar Labrie Side Load Refuse Truck

\* Vehicles 2611 and 4746 replaced vehicles (2610 and 4749) that were removed from service in late FY19.

**Removed From Service**

1042	Fire – 1999 Emergency One Engine
2818	Sewer – 2003 Ingersoll Rand P185 Air Compressor

2819	Storm Water – 2009 Ingersoll Rand P185 Air Compressor
2910	WWTP – 2003 John Deere Gator
2919	WWTP – 2008 EZ Go 800 Electric Cart
4913	Streets – 2004 Clark C25C Forklift
6784	Parks – 2004 John Deere 5320 Tractor
6820	Parks – Air Compressor (not replaced)
8518	Solid Waste – 2013 Mack MRU 603 CNG Refuse Truck ^
8640	Solid Waste – 2012 Mack Labrie Refuse Truck * #
8641	Solid Waste – 2014 Mack Labrie Refuse Truck *
8642	Solid Waste – 2014 Mack Labrie Refuse Truck
8643	Solid Waste – 2014 Mack Labrie Refuse Truck
8644	Solid Waste – 2014 Mack Labrie Refuse Truck *
8645	Solid Waste – 2014 Mack Labrie Refuse Truck
8646	Solid Waste – 2014 Mack Labrie Refuse Truck
8695	Solid Waste (RAA) – 2010 Peterbilt Refuse Truck (not replaced)
8696	Solid Waste (RAA) – 2010 Peterbilt Refuse Truck (not replaced)

\* These vehicles are currently on loan to Recycle Ann Arbor while awaiting auction.

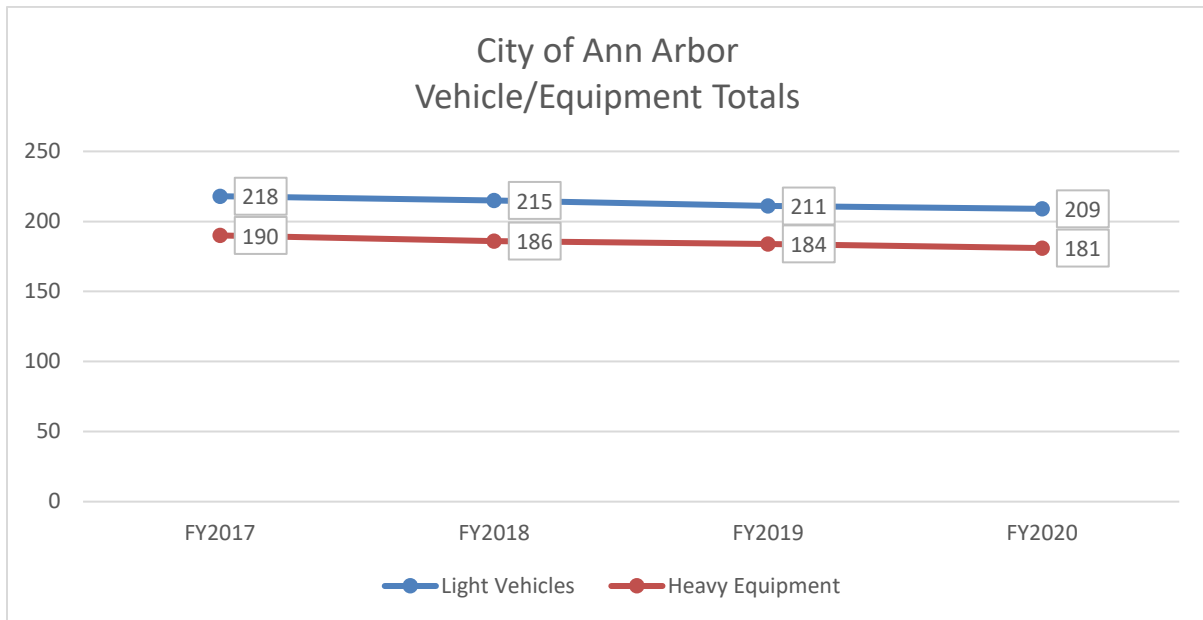
# Vehicle 8640 was replaced by a vehicle (8633) that was put in service in late FY19.

^ The replacement for 8518 was put in service in FY21.

A complete list of heavy equipment in service as of June 30, 2020 is included in *Attachment B*.



## Vehicle/Equipment Inventory Totals



## **Section 4 - Electrification of the Fleet**

The Green Fleets Policy places a heavy emphasis on the purchase of plug-in electric vehicles (PEVs) when deemed feasible. The initial influx of PEVs into the City's fleet in FY19 reinforced some known challenges and raised some additional challenges as well. Many of the FY20 electrification issues were a continuation from the previous year.

- Current funding mechanisms are not adequate to address the additional budgetary impacts of both PEV purchase and charging infrastructure.
- Light duty pickup trucks and large vans, in addition to heavy equipment, do not currently have commercially available or viable alternatives.
- The conversion of sedan and crossover vehicles is the primary focus for electrification of the City's fleet.
- With guidance from the City to focus on domestic, union made PEVs, there are currently very few vehicles that meet the City's needs.

### **A. FY20 Status**

The City had seven plug-in electric vehicles at the end of FY19. This included five small, specialized vehicles and two over the road vehicles.

In FY20, the City made significant steps to electrify vehicles. Twenty-three PEVs were ordered in FY20 and six were placed in service by the end of the FY. The delivery of many of these vehicles were delayed by the pandemic. Two of these vehicles replaced existing older PEVs so the City finished FY20 with eleven plug-in vehicles in active service. The remaining seventeen of these PEVs went in service in FY21. FY20 was the start of a more aggressive effort by the City to convert fuel burning vehicles over to PEVs.

### **B. Electrification Opportunities**

The FY20 assessment of electrification opportunities of all light duty vehicles in the City's fleet was completed with the following outcomes evident:

- The City moved forward with their plan to electrify the 14 Building Department inspector vehicles in FY20. Delivery of these vehicles was delayed due to the pandemic, but they were placed in service in FY21.
- While the PEV market is evolving, the current commercially available and viable electrification opportunities lie primarily within the sedan, minivan and crossover utility vehicle market segment for the City.
- Manufacturer announcements of new PEVs has been significant as the industry embraces electrification.
- Many of the City vehicles in this market segment are operated by the Police Department, which generally has a unique set of size, performance, functionality and safety requirements. There are limited opportunities for PEV integration into the police fleet. Separately, the City has made a significant transition to hybrid police vehicles. Though not plug-ins, early results show a significant reduction in fuel usage by these hybrid

vehicles. The Green Fleets Team will continue to work closely with the Police Department to match their operational needs with viable PEVs as they become available.

- The City has approximately 40 non-police light duty vehicles in the sedan, minivan and crossover/sport utility vehicle market segment. Over the next four years, if funding is available for vehicle conversions and charging infrastructure, 85% of those vehicles could be plug-in electric vehicles.

### **C. Electrification Challenges**

There are a number of challenges that must be considered by the City as it transitions to a higher mix of PEVs within the fleet.

- The selection of PEVs available to the City, with our focus on domestic, union made PEVs, will continue to be limited over the next few years. At the end of FY20, there was one EV and three PHEVs being manufactured that met these criteria.
- The EV light duty pickup truck market has experienced the delay of production dates for various reasons. Once production begins, this market should provide additional viable electrification opportunities for the City.
- Commercially Available Vehicles – While the automotive industry has made significant commitments to improving the number and options of commercially available PEVs in the United States, many have yet to bear fruit. The use of ‘commercially available vehicles’ is important to the City as these vehicles typically have higher production runs, better warranty, a service infrastructure which includes local dealers to provide timely warranty service and parts availability. As the types and functionality of PEVs (especially in the pickup truck and van market) continue to expand, so will electrification opportunities for the City.
- Electric Vehicle Bias – Personal and organizational change can be difficult at times. The transition from fuel burning vehicles to electric vehicles is no different. Range anxiety, purchase price, performance and vehicle size are a few of the concerns raised when discussing the transition to electric vehicles. Understanding and recognizing that many employees are hesitant about the transition to electric is important. Staff education, exposure and individual use of electric vehicles will be the primary tools to overcoming this obstacle. Expansion of the number of Motor Pool electric vehicles should help provide exposure to electric vehicles to a greater number of City staff members.
- Funding – This is the City’s most critical obstacle to electrification of the City’s fleet. There are three primary areas of increased expenditures that must be considered by the City to address this obstacle.
  - Initial Purchase Price Gap - The City’s purchase price of a PEV is nearly double that of a fuel burning vehicle in the small car class, the vehicle class with the greatest electrification opportunities is for the City. The replacement costs paid by a Service Unit into Fleet Services was based on a significantly lower priced fuel burning vehicle and the purchase of a PEV creates an initial funding deficit that must be addressed by the purchasing Service Unit or other funding source.

While this price gap is expected to decline, it creates an immediate impact to a Service Unit's operating budget.

- Increased Replacement Costs - The future replacement cost for the PEV, recovered incrementally from the purchasing Service Unit over the life of the vehicle, will be higher than the Service Unit has previously paid for a fuel burning vehicle. This increase will impact the Service Unit's operating budget but should be significantly offset by lower operating expenses of the PEV.
- The cost of purchasing and installing charging infrastructure will be handled as fueling infrastructure and paid for by Fleet Services in most cases. As an internal service fund, Fleet Services will spread this increased cost over all fleet assets that will increase the cost to all Service Units.

## **Section 5 - Optimizing Fleet Size (Low Use Vehicles)**

The Green Fleets Policy originally called for light duty vehicles that use less than 200 gallons of fuel per year or are over seven years old to be targeted for elimination from the City's fleet. Heavy equipment over ten years old was also targeted for reduction. The Policy also allowed for waivers from elimination if the Service Unit using these 'low use vehicles' can justify their need to the Green Fleets Team.

As part of the FY19 policy review by the Green Fleets Team, required annually under the Green Fleets Policy, this low use vehicle section was significantly modified. The fuel usage criteria was expanded to include heavy duty vehicles and the age based criteria was eliminated. The waiver process was modified to integrate the specific use knowledge from the vehicles home department with the City leadership (Unit Manager, Service Area Administrator, and City Administrator) which is in a better position to implement change if needed. These modifications were provided in detail in Section 6 – Policy Changes of the FY19 Annual Report.

### **A. FY20 Dispositions (Based on FY19 Identifications)**

Using FY19 fuel usage data, a list of 43 low use light duty and 25 heavy duty vehicles was prepared and provided to the Green Fleets Team for disposition in FY20. The Green Fleets Team took the following actions in FY20 to address these low use vehicles.

- Notified the Unit Manager and Service Area Administrator of each vehicle within their purview that was identified as a low use vehicle and what fuel usage it had for FY19 and FY18.
- Provided a list of all low use vehicles to the City Administrator for discussion with Service Area Administrators.
- Worked with Unit Managers to transition vehicles being eliminated from the fleet to auction status.

Of the 43 light duty vehicles and 25 heavy duty vehicles identified as low use, one light vehicle was removed from the fleet in FY20. While other vehicles were removed from the fleet during this time, they were not identified as low use vehicles.

#### **B. FY20 Identifications (For Disposition in FY21)**

In preparing for the review of FY20 fuel usage data and the determination of low use vehicles, Fleet Services used the same 200 gallon minimum usage as the determining factor for light duty and heavy duty vehicles. Based on FY20 fuel usage data, a list of 37 light duty vehicles and 24 pieces of heavy equipment was prepared and provided to the Green Fleets Team for disposition in FY21.

### **Section 6 - Policy Changes**

One of the responsibilities of the Green Fleets Team is to propose modifications to improve the Green Fleets Policy. To keep the Policy relevant, it should be a living document that is modified regularly to reflect changes in the City's goals and resources, organizational changes, updated to reflect changing technology and the data available to support decision making processes.

The revision to the Green Fleets Policy in 2018 was an update to the Policy adopted in 2000. The 2018 update was burdened by a number of legacy issues carried over from a nearly 20-year-old document that do not reflect current process or technologies. These items were noted throughout FY19 as the Green Fleets Team began initiating the revised Policy and resulted in substantive changes to the Green Fleets Policy as shown in Attachment C of the FY19 Annual Report.

As part of the FY20 review of the Green Fleets Policy, no additional modifications were proposed.

### **Section 7 - Performance Measures**

Section 3 of the Green Fleets Policy establishes the following three Measures of Success:

- 1) The reduction of carbon dioxide equivalent (CO<sub>2</sub>e) and other emissions.
- 2) The decrease in annual total gallons of gasoline and diesel fuel used.
- 3) The decrease in total fleet size, with an increase in the percentage of electric and hybrid-electric vehicles replacing combustion-engine vehicles where opportunities exist and are deemed feasible.

#### **A. Reduction of Emissions**

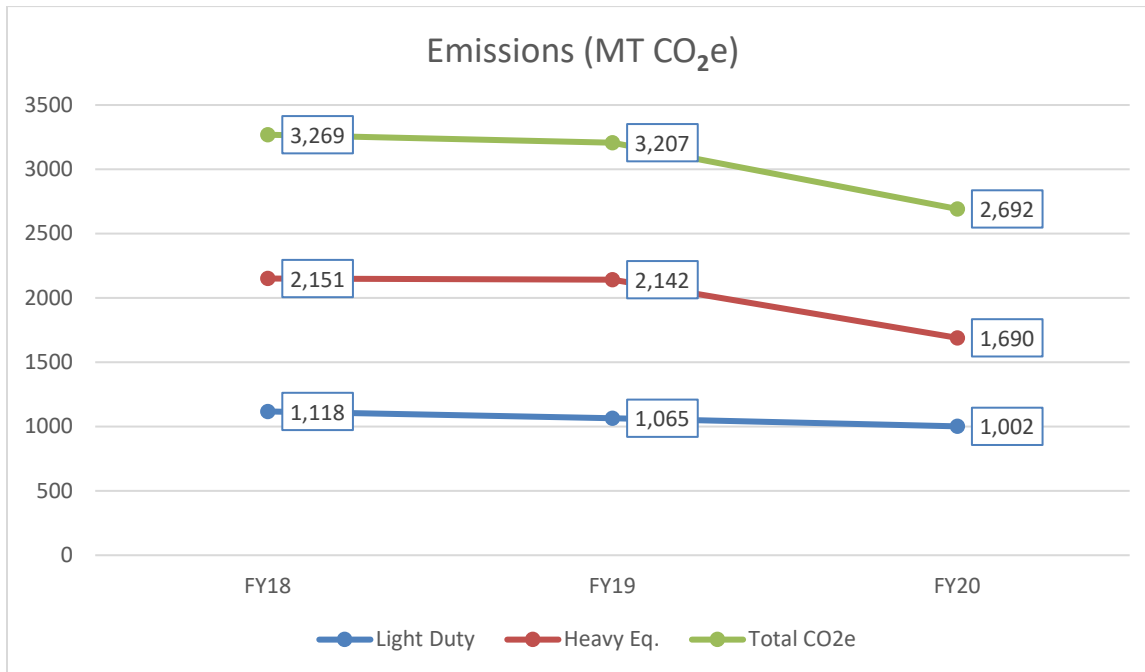
FY18 was established as the baseline year per Section 7 of the Green Fleets Policy. Fuel usage was collected for both light duty vehicles and heavy equipment for that year and, based

on that data, CO<sub>2</sub>e was calculated by the Office of Sustainability and Innovations. The FY18 baseline numbers are included in the graph below.

As emissions are calculated based on fuel usage, this number is expected to vary from year to year as the City's fuel consumption varies. Fuel consumption will vary based on a number of factors including the number of fuel consuming vehicles, usage, fuel efficiency, and weather conditions. A winter with more snowfall will have a greater impact on fuel usage compared to a light winter. Overall, a general downward trend will be the measure to indicate success of this metric.

In FY20, the City generated 1,002 metric tons of carbon dioxide equivalents (MTCO<sub>2</sub>e) by light duty vehicles and 1,690 MTCO<sub>2</sub>e by heavy equipment for a total of 2,692 MTCO<sub>2</sub>e. This was a decrease of 515 MTCO<sub>2</sub>e from FY19. Light duty vehicle emissions decreased 5.92% and heavy equipment decreased 21.10% for a combined 16.06% decrease in emissions from the previous year.

The significant reduction in FY20 vehicle emissions is largely attributed to the COVID-19 pandemic and the scaling back of City operations in the fourth quarter of the FY. Vehicle emissions in FY21, while still impacted by the pandemic, are expected to increase as the City has returned many service levels back to near normal functionality.



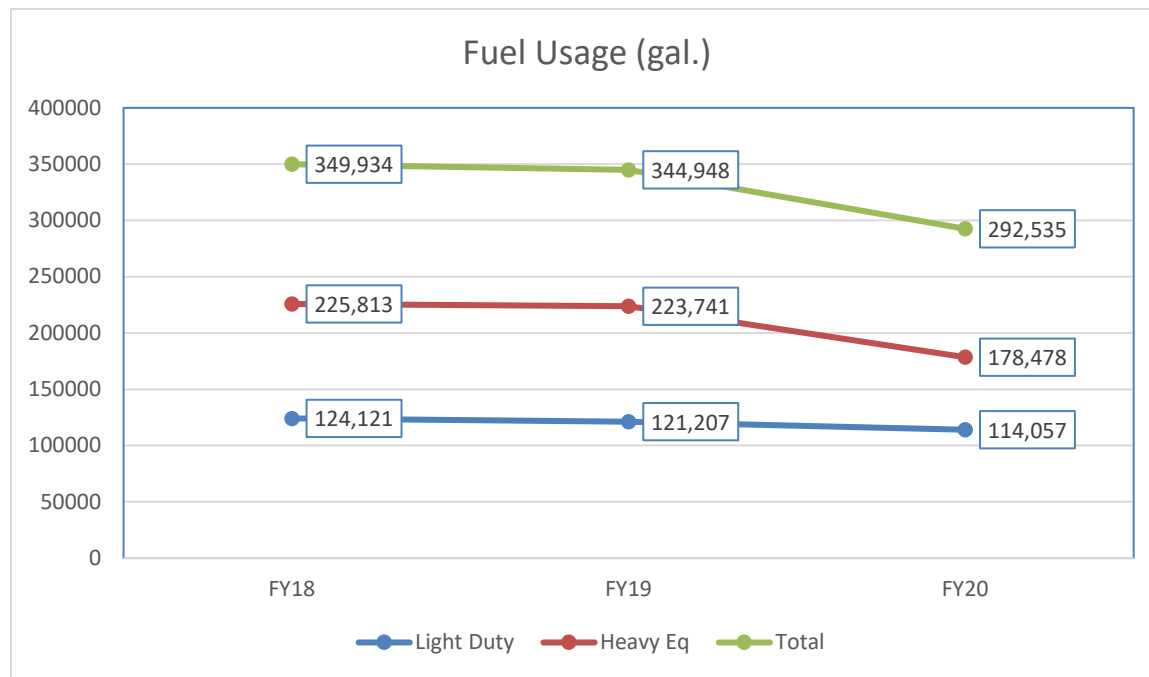
## B. Reduction of Fuel Usage

FY18 was established as the baseline year per Section 7 of the Green Fleets Policy. Fuel usage was collected for both light duty vehicles and heavy equipment for that year. The FY18 baseline numbers are included in the graph below.

It is expected that fuel usage will vary from year to year based on a number of factors including the number of fuel consuming vehicles, usage, fuel efficiency, and weather conditions. A winter with more snowfall will have a significant impact on fuel usage compared to a light winter. Overall, a general downward trend will be the measure to indicate success of this metric.

In FY20, light duty vehicles owned by the City used 114,057 gallons of fuel (gasoline and diesel combined) and heavy equipment used 178,478 gallons for a total of 292,535 gallons of fuel consumed. Light duty vehicle fuel usage decreased 5.90% from the previous year and heavy equipment decreased 20.23% for a combined 15.19% decrease to total fuel usage from FY19.

The significant reduction in FY20 fuel usage is largely attributed to the COVID-19 pandemic and the scaling back of City operations in the fourth quarter of the FY. Fuel usage in FY21, while still impacted by the pandemic, is expected to increase as the City has returned many service levels back to near normal functionality.

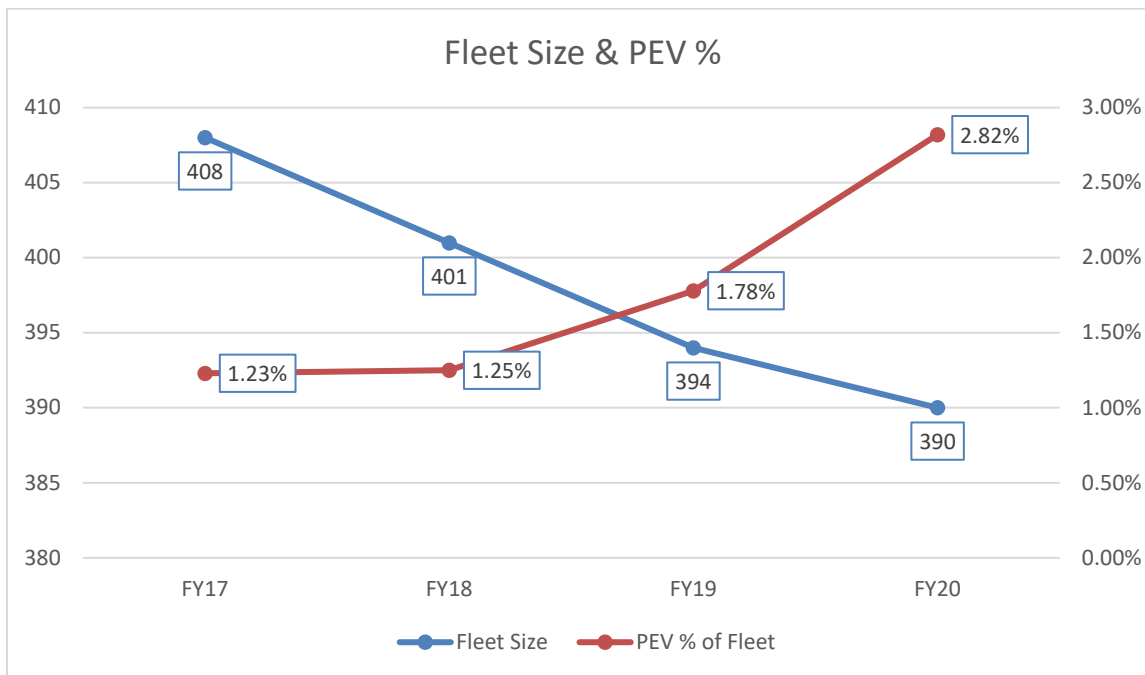


### C. Reduction in Fleet Size/Increase in PEV as a Percentage of Fleet Size

This measure is comprised of two components that are not directly linked and either metric may increase or decrease independently of the other. Yearend FY17 was established as the baseline year per Section 7 of the Green Fleets Policy.

**Fleet Size** – This information is included in **Vehicle Inventory (Section 3)** of the Annual Report. Fleet size was compiled for yearend FY17 and the City had 408 vehicles in inventory. At yearend FY20 that count has been reduced to 390 vehicles. In a three-year period, the City's fleet size decreased by 4.41%.

**PEV as a Percentage of Fleet Size** – Plug-in electric vehicles (PEVs) include both all electric vehicles (EVs) and plug-in hybrid electric vehicles (PHEVs). Additional information is available in **Electrification of the Fleet (Section 4)** of this document. Vehicle data was compiled for yearend FY17 and 1.23% of City vehicles were PEV. At yearend FY20 that percentage had increased to 2.82% of the City's fleet. In a three-year period, the percentage of PEV in the City's fleet has increased 129%.





**Attachment A**  
**Light Duty Vehicle Inventory Detail**

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
0030	2018 Chevrolet Tahoe 4x4	Police Dept	Gasoline	8.2	\$ 1.99	\$ 0.24	19,174	2,338	20.53	4,658	2,099	23.96%	1.071	20,532
0031	2018 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	9.9	\$ 1.99	\$ 0.20	18,706	1,893	16.62	3,770	3,085	35.22%	0.888	16,617
0032	2018 Ford Police Interceptor Utiltiy AWD	Police Dept	Gasoline	9.0	\$ 1.99	\$ 0.22	18,944	2,112	18.54	4,206	3,669	41.88%	0.979	18,540
0033	2018 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	9.4	\$ 1.99	\$ 0.21	25,345	2,709	23.79	5,397	5,128	58.54%	0.939	23,788
0034	2018 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	9.2	\$ 1.99	\$ 0.22	25,607	2,780	24.41	5,537	4,603	52.55%	0.953	24,409
0035	2018 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	9.7	\$ 1.99	\$ 0.21	26,869	2,778	24.39	5,533	2,123	24.24%	0.908	24,390
0037	2018 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	8.5	\$ 1.99	\$ 0.23	20,563	2,418	21.23	4,817	4,018	45.87%	1.033	21,233
0038	2019 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	8.9	\$ 2.04	\$ 0.23	11,192	1,256	11.03	2,558	2,451	27.98%	0.985	11,028
0039	2019 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	9.4	\$ 1.99	\$ 0.21	10,974	1,172	10.29	2,334	1,680	19.18%	0.938	10,288
0040	2019 Ford Police Interceptor Utility AWD	Police Dept	Gasoline	7.4	\$ 1.99	\$ 0.27	2,428	330	2.89	657	432	4.93%	1.192	2,894
0041	2020 Ford Interceptor Utility AWD Hybrid	Police Dept	Gasoline	13.5	\$ 1.99	\$ 0.15	3,414	253	2.22	504	300	3.42%	0.650	2,221
0042	2020 Ford Interceptor Utility AWD Hybrid	Police Dept	Gasoline	21.3	\$ 1.99	\$ 0.09	8,428	396	3.47	788	295	3.37%	0.412	3,474
0088	2014 Ford Interceptor Sedan	Police Dept	Gasoline	14.1	\$ 1.99	\$ 0.14	14,422	1,024	8.99	2,039	1,309	14.94%	0.623	8,989
0089	2014 Ford Interceptor Sedan	Police Dept	Gasoline	8.6	\$ 1.99	\$ 0.23	4,762	553	4.86	1,102	921	10.51%	1.020	4,858
0090	2014 Ford Interceptor Sedan	Police Dept	Gasoline	10.1	\$ 1.99	\$ 0.20	5,130	510	4.48	1,016	893	10.19%	0.873	4,479
0091	2014 Ford Interceptor Sedan	Police Dept	Gasoline	10.1	\$ 2.04	\$ 0.20	20,177	2,005	17.60	4,096	3,288	37.53%	0.872	17,600
0092	2020 Ford Interceptor Utility AWD Hybrid	Police Dept	Gasoline	11.6	\$ 1.99	\$ 0.17	2,504	216	1.89	429	305	3.48%	0.756	1,893
0101	2016 CUV	Police Dept	Gasoline	20.3	\$ 1.97	\$ 0.10	7,410	365	3.21	718	728	8.31%	0.433	3,207
0102	2018 Sedan	Police Dept	Gasoline	25.3	\$ 1.99	\$ 0.08	4,802	190	1.66	378	542	6.19%	0.347	1,665

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
0149	2018 Sedan	Police Dept	Gasoline	19.0	\$ 1.99	\$ 0.11	5,733	302	2.66	602	728	8.31%	0.463	2,655
0150	2017 CUV	Police Dept	Gasoline	21.9	\$ 1.99	\$ 0.09	7,495	342	3.00	681	1,070	12.21%	0.400	3,001
0152	2011 GMC Terrain	Community Standards	Gasoline	14.5	\$ 1.99	\$ 0.14	1,923	133	1.17	265	951	10.86%	0.607	1,167
0161	2014 SUV	Police Dept	Gasoline	20.8	\$ 1.99	\$ 0.10	7,296	352	3.09	700	1,436	16.39%	0.423	3,086
0162	2014 Sedan	Police Dept	Gasoline	32.2	\$ 1.99	\$ 0.06	7,720	240	2.10	477	2,075	23.69%	0.273	2,104
0163	2015 Sedan	Police Dept	Gasoline	19.3	\$ 1.99	\$ 0.10	4,364	226	1.98	450	1,581	18.05%	0.454	1,983
0164	2015 Sedan	Police Dept	Gasoline	20.0	\$ 1.99	\$ 0.10	4,852	243	2.13	484	1,314	15.00%	0.440	2,132
0165	2016 Sedan	Police Dept	Gasoline	16.1	\$ 1.99	\$ 0.12	3,993	249	2.18	496	496	5.66%	0.547	2,184
0166	2017 CUV	Police Dept	Gasoline	57.0	\$ 1.99	\$ 0.03	10,339	181	1.59	361	1,125	12.84%	0.154	1,593
0167	2018 Sedan	Police Dept	Gasoline	51.5	\$ 1.99	\$ 0.04	7,734	150	1.32	299	627	7.16%	0.171	1,319
0169	2018 CUV	Police Dept	Gasoline	51.8	\$ 1.99	\$ 0.04	16,558	320	2.81	636	799	9.12%	0.169	2,805
0170	2019 Ford Explorer XLT	Police Dept	Gasoline	423.4	\$ 1.99	\$ 0.00	4,039	10	0.08	19	22	0.25%	0.021	84
0171	2019 Ford Explorer XLT	Police Dept	Gasoline	28.3	\$ 1.99	\$ 0.07	15,726	555	4.87	1,105	690	7.88%	0.310	4,872
0175	2018 Sedan	Police Dept	Gasoline	15.6	\$ 1.99	\$ 0.13	1,651	106	0.93	211	208	2.37%	0.562	929
0203	2008 Pickup	Police Dept	Gasoline	78.5	\$ 1.99	\$ 0.03	2,644	34	0.30	67	129	1.47%	0.112	296
0206	2018 Pickup	Police Dept	Gasoline	30.8	\$ 1.99	\$ 0.06	33,541	1,089	9.56	2,169	1,647	18.80%	0.285	9,560
0260	2015 BMW R1200 RT-P Motorcycle	Police Dept	Gasoline	41.9	\$ 1.99	\$ 0.05	3,511	84	0.74	167	-	0.00%	0.210	736
0261	2015 BMW R1200 RT-P Motorcycle	Police Dept	Gasoline	45.5	\$ 1.99	\$ 0.04	3,219	71	0.62	141	-	0.00%	0.193	621
0262	2015 BMW R1200 RT-P Motorcycle	Police Dept	Gasoline	43.0	\$ 1.99	\$ 0.05	3,774	88	0.77	175	-	0.00%	0.204	770

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0263	2015 BMW R1200 RT-P Motorcycle	Police Dept	Gasoline	31.7	\$ 1.99	\$ 0.06	2,997	95	0.83	189	-	0.00%	0.277	831
0264	2006 BMW Motorcycle	Police - Training	Gasoline	0.0	\$ -	\$ -	-	-	-	30	-	0.00%		-
0265	2006 BMW Motorcycle	Police - Training	Gasoline	0.0	\$ -	\$ -	-	-	-	30	-	0.00%		-
0311	2016 Ford Transit Van 250	Police Dept	Gasoline	15.1	\$ 1.99	\$ 0.13	378	25	0.22	50	1,140	13.01%	0.583	220
0312	2016 Dodge Grand Caravan SE	Police Dept	Gasoline	36.9	\$ 1.99	\$ 0.05	7,177	195	1.71	388	1,252	14.29%	0.238	1,710
0313	2017 Dodge Grand Caravan SE	Police Dept	Gasoline	21.7	\$ 1.99	\$ 0.09	7,588	350	3.07	697	1,413	16.13%	0.405	3,072
0324	2016 Ford Transit T-250	Police Dept	Gasoline	12.4	\$ 1.99	\$ 0.16	6,320	511	4.48	1,017	2,334	26.64%	0.710	4,485
0332	2020 Ford Expedition SSV	Police Dept	Gasoline	7.3	\$ 1.99	\$ 0.27	682	94	0.82	187	-	0.00%	1.208	824
0340	2013 Chevrolet Tahoe 4X2 LS	Police Dept	Gasoline	10.0	\$ 1.99	\$ 0.20	4,071	407	3.57	811	535	6.11%	0.878	3,575
0341	2013 Chevrolet Tahoe 4X2 LS	Police Dept	Gasoline	10.0	\$ 1.99	\$ 0.20	2,266	227	1.99	451	452	5.16%	0.878	1,989
0342	2013 Chevrolet Tahoe 4X2 LS	Police Dept	Gasoline	10.0	\$ 1.99	\$ 0.20	3,250	325	2.85	647	291	3.32%	0.878	2,854
0347	2014 Ford Interceptor Utility	Police Dept	Gasoline	10.0	\$ 1.99	\$ 0.20	1,108	111	0.97	220	341	3.89%	0.877	972
0349	2014 Ford Interceptor Utility	Police Dept	Gasoline	9.5	\$ 1.99	\$ 0.21	15,073	1,581	13.88	3,149	2,650	30.25%	0.921	13,880
0354	2014 Ford Interceptor Utility	Police Dept	Gasoline	10.8	\$ 1.99	\$ 0.18	13,987	1,292	11.34	2,573	2,685	30.65%	0.811	11,340
0357	2017 Ford Police Interceptor	Police Dept	Gasoline	8.4	\$ 1.99	\$ 0.24	18,917	2,259	19.84	4,500	4,112	46.94%	1.049	19,837
0358	2017 Chevrolet Tahoe 4WD	Police Dept	Gasoline	8.3	\$ 1.99	\$ 0.24	16,476	1,979	17.38	3,942	2,154	24.59%	1.055	17,379
0359	2017 Chevrolet Tahoe 4WD	Police Dept	Gasoline	7.0	\$ 1.99	\$ 0.29	18,714	2,680	23.53	5,338	2,515	28.71%	1.257	23,532
0360	2017 Chevrolet Tahoe 4WD	Police Dept	Gasoline	7.7	\$ 1.99	\$ 0.26	16,129	2,092	18.37	4,167	2,614	29.84%	1.139	18,368
0361	2017 Chevrolet Tahoe 4WD	Police Dept	Gasoline	8.2	\$ 1.99	\$ 0.24	20,055	2,460	21.60	4,885	2,223	25.38%	1.077	21,599

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0362	2017 Chevrolet PP Tahoe	Police Dept	Gasoline	8.9	\$ 1.99	\$ 0.22	8,525	958	8.41	1,908	1,770	20.21%	0.986	8,410
0501	2020 Chevrolet Bolt EV	Community Standards	Electric	0.0	\$ -	\$ 0.05	1,048	-	-	57	-	0.00%	-	-
0503	2020 Chevrolet Bolt EV	Community Standards	Electric	0.0	\$ -	\$ 0.11	56	-	-	6	-	0.00%	-	-
0506	2019 Chevrolet Bolt	Community Standards	Electric	0.0	\$ -	\$ 0.18	2,640	-	-	484	-	0.00%	-	-
0515	2015 Ford Focus SE	Community Standards	Gasoline	10.6	\$ 1.99	\$ 0.19	2,077	196	1.72	391	446	5.09%	0.829	1,722
0516	2015 Ford Focus SE	Community Standards	Gasoline	10.5	\$ 1.99	\$ 0.19	2,337	223	1.96	444	1,214	13.86%	0.837	1,957
0517	2015 Ford Focus SE	Community Standards	Gasoline	14.0	\$ 1.99	\$ 0.14	4,551	324	2.85	646	1,010	11.53%	0.625	2,846
0518	2015 Ford Focus SE	Community Standards	Gasoline	12.0	\$ 1.99	\$ 0.17	5,021	418	3.67	832	1,628	18.58%	0.730	3,666
0519	2018 Chevrolet Cruze LS	Community Standards	Gasoline	16.0	\$ 1.99	\$ 0.12	5,886	369	3.24	734	1,776	20.27%	0.550	3,237
0522	2016 Chevrolet Colorado	Community Standards	Gasoline	9.8	\$ 1.99	\$ 0.20	1,421	145	1.27	289	1,305	14.90%	0.897	1,275
0523	2016 Chevrolet Colorado	Community Standards	Gasoline	10.8	\$ 1.99	\$ 0.18	5,498	508	4.46	1,011	685	7.82%	0.810	4,456
1015	2007 SUV	Police Dept	Gasoline	0.0	\$ -	\$ 0.01	2,775	-	-	19	82	0.94%	-	-
1018	2017 Ford Fusion	Fire Dept	Gasoline	21.4	\$ 1.99	\$ 0.09	2,413	113	0.99	224	620	7.08%	0.409	988
1019	2017 GMC 2500 HD P/U 4x4	Fire Dept	Gasoline	10.4	\$ 1.99	\$ 0.19	3,988	385	3.38	766	2,683	30.63%	0.847	3,377
1049	2005 GMC Sierra 2500 4X4	Fire Dept	Diesel	14.5	\$ 1.82	\$ 0.13	494	34	0.35	62	1,486	16.96%	0.704	348
1054	2013 Chevrolet Silverado 2500 4X4	Fire Dept	Gasoline	8.5	\$ 1.99	\$ 0.23	6,121	721	6.33	1,435	1,236	14.11%	1.034	6,327
1055	2014 GMC Sierra 2500 4X4	Fire Dept	Gasoline	6.5	\$ 1.99	\$ 0.31	6,310	977	8.58	1,946	1,727	19.71%	1.359	8,576
1056	2016 Chevrolet Equinox AWD	Fire Dept	Gasoline	22.6	\$ 1.10	\$ 0.05	17,585	777	6.82	857	1,547	17.66%	0.388	6,819
1058	2016 Chevrolet Equinox AWD	Fire Dept	Gasoline	26.6	\$ 1.99	\$ 0.07	15,847	595	5.23	1,186	761	8.69%	0.330	5,227

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1059	2017 Chevrolet Equinox AWD LS	Fire Dept	Gasoline	8.9	\$ 1.99	\$ 0.22	1,057	119	1.05	238	83	0.95%	0.991	1,047
1060	2017 Chevrolet Equinox AWD LS	Fire Dept	Gasoline	19.5	\$ 1.99	\$ 0.10	6,008	308	2.70	613	1,667	19.03%	0.450	2,702
1061	2017 Chevrolet Equinox	Fire Dept	Gasoline	16.9	\$ 1.99	\$ 0.12	1,779	105	0.92	209	112	1.28%	0.518	922
1062	2018 Ford Explorer	Fire Dept	Gasoline	18.1	\$ 1.99	\$ 0.11	12,402	684	6.01	1,362	960	10.96%	0.484	6,005
1063	2019 Chevrolet 2500 HD 4x4	Fire Dept	Gasoline	12.6	\$ 1.99	\$ 0.16	3,726	296	2.60	590	185	2.11%	0.698	2,602
1102	2013 Ford Focus SE	Fleet - Pool Car	Gasoline	28.0	\$ 1.99	\$ 0.07	1,998	71	0.63	142	475	5.42%	0.314	627
1104	2019 Chevrolet Bolt EV	Fleet - Pool Car	Electric	0.0	\$ -	\$ 0.10	3,008	-	-	289	568	6.48%	-	-
1105	2020 Chevrolet Bolt EV	Fleet - Pool Car	Electric	0.0	\$ -	\$ 0.10	300	-	-	30	77	0.88%	-	-
1206	2016 Dodge Grand Caravan SE	Fleet - Pool Car	Gasoline	22.8	\$ 1.99	\$ 0.09	7,958	349	3.07	696	318	3.63%	0.385	3,067
1251	2009 Ford Escape 4X2 XLS	Comm. Television Network	Gasoline	18.3	\$ 1.99	\$ 0.11	1,541	84	0.74	167	1,487	16.97%	0.479	738
1252	2012 Ford Transit Connect	Comm. Television Network	Gasoline	28.1	\$ 1.99	\$ 0.07	1,146	41	0.36	81	372	4.25%	0.312	358
1264	2006 Ford F-250 4X4 Pick Up	Fleet - Pool Car	Gasoline	8.7	\$ 1.99	\$ 0.23	2,498	288	2.52	573	27	0.31%	1.011	2,525
1265	2019 Ford F-350 4x4	Facility Operations	Gasoline	7.4	\$ 1.99	\$ 0.27	1,137	153	1.34	304	178	2.03%	1.179	1,341
1269	2016 Ford F-250 4x4	Facility Operations	Gasoline	10.4	\$ 1.99	\$ 0.19	4,196	403	3.54	802	1,408	16.07%	0.843	3,535
1600	2009 Ford F-350 Ext Cab 4X4	Fleet	Gasoline	2.9	\$ 1.91	\$ 0.66	1,362	473	4.16	906	-	0.00%	3.051	4,155
1610	1998 Ford Econoline Cut Away	Comm. Television Network	Diesel	4.7	\$ 1.82	\$ 0.39	136	29	0.30	53	-	0.00%	2.185	297
2248	2013 Ford F-150 Ext Cab	Revolving Equipment	Gasoline	10.0	\$ 1.99	\$ 0.20	3,460	346	3.04	689	435	4.97%	0.877	3,035
2251	2020 Ford F-250 4X2	Water Treatment Plant	Gasoline	8.0	\$ 1.99	\$ 0.25	536	67	0.59	134	163	1.86%	1.098	589
2280	2017 Ford F-250 4x2	Sewer - Revolving Equipment	Gasoline	7.5	\$ 1.99	\$ 0.27	3,990	534	4.69	1,063	751	8.57%	1.174	4,685

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2291	2009 Ford F-350 4X4 Pickup	Water Treatment Plant	Gasoline	7.0	\$ 1.99	\$ 0.29	1,155	165	1.45	329	23	0.26%	1.257	1,451
2294	2016 Ford F-250 4X4	Maintenance - Facility - Operations	Gasoline	7.8	\$ 1.99	\$ 0.25	4,478	573	5.03	1,141	620	7.08%	1.123	5,028
2295	2016 Ford F-250 4X4 Ext Cab	Treatment Plant - Sewer - WWTP	Gasoline	4.8	\$ 2.04	\$ 0.42	3,752	781	6.85	1,589	103	1.18%	1.827	6,853
2296	2016 Ford F-250 4X4	Maintenance - Facility - Operations	Gasoline	6.7	\$ 1.99	\$ 0.30	4,051	606	5.32	1,206	789	9.01%	1.312	5,316
2297	2015 GMC Sierra 1500 4X2	Water - Revolving Equipment	Gasoline	17.6	\$ 1.99	\$ 0.11	15,676	892	7.83	1,777	-	0.00%	0.500	7,833
2298	2015 GMC Sierra 1500 4X2	Maintenance - Facility - Operations	Gasoline	15.8	\$ 1.99	\$ 0.13	14,667	927	8.14	1,847	-	0.00%	0.555	8,143
2299	2017 Ford F-350 4x2	Water - Revolving Equipment	Gasoline	8.2	\$ 1.99	\$ 0.24	6,830	830	7.29	1,654	968	11.05%	1.068	7,291
3167	2019 Chevrolet Bolt	Water Treatment Plant	Electric	0.0	\$ -	\$ 0.05	4,685	-	-	257	-	0.00%	-	-
3204	2013 Ford F-350 SRW 4X4	Treatment Plant - Utilities-Water	Gasoline	7.0	\$ 2.00	\$ 0.29	21,070	3,010	26.43	6,008	-	0.00%	1.254	26,430
3226	2013 Chevrolet Express 2500	Revolving Equipment	Gasoline	8.2	\$ 1.99	\$ 0.24	12,016	1,464	12.85	2,915	1,341	15.31%	1.069	12,850
3227	2013 Chevrolet Express 2500	Revolving Equipment	Gasoline	9.6	\$ 1.99	\$ 0.21	13,525	1,405	12.33	2,798	1,312	14.98%	0.912	12,332
3250	2009 Dodge Grand Caravan	Systems Planning	Gasoline	14.1	\$ 1.99	\$ 0.14	1,134	81	0.71	161	212	2.42%	0.624	707
3251	2016 Chevrolet Colorado	Systems Planning -	Gasoline	12.0	\$ 1.99	\$ 0.17	1,224	102	0.90	203	-	0.00%	0.732	896
3252	2016 Chevrolet Equinox AWD	Public Works-Water	Gasoline	22.2	\$ 1.99	\$ 0.09	3,301	149	1.30	296	577	6.59%	0.395	1,304
3260	2015 GMC Sierra 1500 4X2	Public Works-Water-Operations	Gasoline	12.0	\$ 1.99	\$ 0.17	10,752	896	7.87	1,785	-	0.00%	0.732	7,870
3261	2015 GMC Sierra 1500 4X2	Public Works-Water-Operations	Gasoline	12.0	\$ 1.99	\$ 0.17	6,372	531	4.66	1,058	264	3.01%	0.732	4,662
3262	2015 Chevrolet Equinox AWD	Plant - Utilities-Water Treatment -	Gasoline	20.0	\$ 1.99	\$ 0.10	7,260	363	3.18	722	-	0.00%	0.438	3,183
3270	2017 Ford F-250 Super Duty 4x4	Plant - Utilities-Water Treatment -	Gasoline	8.0	\$ 1.99	\$ 0.25	4,320	540	4.75	1,076	-	0.00%	1.098	4,745
3282	2013 Ford F-150 Ext Cab	Public Works-Sewer	Gasoline	12.0	\$ 1.99	\$ 0.17	9,420	785	6.89	1,563	909	10.38%	0.731	6,889

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3283	2014 Ford F250 4X4 Utility Box	Plant - Utilities- Water Treatment -	Gasoline	8.0	\$ 1.99	\$ 0.25	2,168	271	2.38	541	-	0.00%	1.099	2,383
3288	2016 Chevrolet Colorado	Public Works - Water - Inspections	Gasoline	17.5	\$ 1.99	\$ 0.11	25,857	1,474	12.94	2,936	1,413	16.13%	0.501	12,942
3290	2017 Chevrolet Silverado 1500 4X4	Plant - Utilities- Water Treatment -	Gasoline	10.0	\$ 1.99	\$ 0.20	2,900	290	2.55	578	286	3.26%	0.879	2,548
3294	2016 Ford F-350 w/ Utility Bod	Water - Revolving Equipment	Gasoline	6.3	\$ 1.99	\$ 0.32	1,731	277	2.43	551	289	3.30%	1.403	2,429
3295	2015 GMC Sierra 3500 4x4	Public Works - Water - Operations	Gasoline	5.0	\$ 1.99	\$ 0.40	5,751	1,148	10.08	2,287	1,438	16.42%	1.753	10,083
3296	2016 Ford F-250 4X2	Public Works - Water - Operations	Gasoline	7.3	\$ 1.99	\$ 0.27	5,244	717	6.29	1,428	517	5.90%	1.200	6,295
3297	2016 Ford F-250 4X2	Public Works - Water - Operations	Gasoline	7.7	\$ 1.99	\$ 0.26	4,412	570	5.00	1,135	461	5.26%	1.134	5,003
3298	2016 Ford F-250 4X4 w/liftgate	Plant - Utilities- Water Treatment -	Gasoline	8.0	\$ 1.99	\$ 0.25	1,936	242	2.13	483	-	0.00%	1.099	2,128
3299	2016 Ford F-250 4X2 w/liftgate	Public Works - Water - Operations	Gasoline	7.9	\$ 1.99	\$ 0.25	3,662	462	4.06	920	500	5.71%	1.107	4,055
3611	2015 GMC Sierra 3500 DRW	Water - Revolving Equipment	Gasoline	4.1	\$ 1.99	\$ 0.49	441	108	0.95	216	153	1.75%	2.157	951
4240	2009 Dodge Grand Caravan	Engineering - Radio - Systems Maint.	Gasoline	12.7	\$ 1.99	\$ 0.16	3,267	256	2.25	511	142	1.62%	0.689	2,251
4241	2013 Ram C/V Tradesman Van	Street - Engineering - ROW Maint.	Gasoline	9.9	\$ 1.99	\$ 0.20	5,542	562	4.93	1,119	1,355	15.47%	0.890	4,931
4242	2014 Ford F-150 XL	Street - Traffic Control	Gasoline	22.2	\$ 1.99	\$ 0.09	16,570	747	6.56	1,489	1,507	17.20%	0.396	6,562
4248	2017 Ford F-250 4x2	Street - Engineering - Traffic Control -	Gasoline	7.8	\$ 1.99	\$ 0.26	5,863	753	6.61	1,500	991	11.31%	1.128	6,612
4261	2016 Ford Transit Cargo Van	Street - Engineering - ROW Maint.	Gasoline	9.5	\$ 1.99	\$ 0.21	4,869	511	4.49	1,018	1,930	22.03%	0.922	4,489
4270	2016 Ford F-250 4X4	Public Works-Major Street - ROW Maint.	Gasoline	6.2	\$ 1.99	\$ 0.32	6,693	1,080	9.48	2,151	1,074	12.26%	1.417	9,482
4271	2016 Ford F-250 4X2	Street - Engineering - Traffic Control -	Gasoline	8.6	\$ 1.99	\$ 0.23	6,045	703	6.18	1,401	992	11.32%	1.022	6,176
4281	2017 Ford F-150 4x2	Safety	Gasoline	12.0	\$ 1.99	\$ 0.17	2,088	174	1.53	347	1,396	15.94%	0.733	1,531
5114	2011 Ford Fusion SE	Building - Construction Fund	Gasoline	14.0	\$ 2.05	\$ 0.15	3,290	235	2.06	482	294	3.36%	0.627	2,063



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5115	2016 Chevrolet Equinox LS	Building - Construction Fund	Gasoline	13.8	\$ 1.99	\$ 0.14	4,664	339	2.97	675	-	0.00%	0.638	2,974
5116	2016 Chevrolet Equinox	Building - Construction Fund	Gasoline	13.6	\$ 1.99	\$ 0.15	4,752	348	3.06	694	884	10.09%	0.644	3,060
5117	2016 Ford Focus	Building - Rental Inspection	Gasoline	16.7	\$ 1.99	\$ 0.12	2,406	144	1.27	287	1,241	14.17%	0.527	1,267
5118	2017 Chevrolet Equinox	Building - Rental Inspection	Gasoline	14.2	\$ 1.99	\$ 0.14	2,847	200	1.76	399	1,081	12.34%	0.618	1,759
5119	2017 Chevrolet Equinox	Building - Construction Fund	Gasoline	15.6	\$ 1.99	\$ 0.13	3,203	206	1.81	410	190	2.17%	0.564	1,807
5225	2013 Chevrolet Equinox LS	Building - Construction Fund	Gasoline	14.0	\$ 2.04	\$ 0.15	6,986	499	4.38	1,020	2,017	23.02%	0.627	4,382
5226	2013 Chevrolet Equinox LS	Building - Construction Fund	Gasoline	14.0	\$ 2.00	\$ 0.14	1,792	128	1.12	255	311	3.55%	0.626	1,123
5227	2013 Chevrolet Equinox LS	Building - Construction Fund	Gasoline	13.9	\$ 1.99	\$ 0.14	2,785	201	1.76	400	1,098	12.53%	0.633	1,763
5228	2015 Chevrolet Equinox AWD	Building - Construction Fund	Gasoline	12.8	\$ 1.99	\$ 0.16	4,276	335	2.94	668	-	0.00%	0.689	2,944
5229	2015 Chevrolet Equinox AWD	Building - Construction Fund	Gasoline	14.6	\$ 1.99	\$ 0.14	5,046	346	3.04	689	139	1.59%	0.602	3,039
5230	2015 Chevrolet Equinox AWD	Building - Rental Inspection	Gasoline	16.1	\$ 1.99	\$ 0.12	5,177	321	2.82	640	160	1.83%	0.545	2,819
5231	2015 Chevrolet Equinox AWD	Building - Construction Fund	Gasoline	12.2	\$ 1.99	\$ 0.16	5,636	463	4.07	923	193	2.20%	0.722	4,067
5232	2015 Chevrolet Equinox AWD	Building - Construction Fund	Gasoline	12.9	\$ 1.99	\$ 0.15	3,110	240	2.11	479	-	0.00%	0.678	2,109
5233	2015 Chevrolet Equinox AWD	Building - Construction Fund	Gasoline	14.4	\$ 1.99	\$ 0.14	5,752	398	3.50	794	-	0.00%	0.608	3,499
5234	2015 Chevrolet Equinox AWD	Building - Rental Inspection	Gasoline	16.5	\$ 1.99	\$ 0.12	3,310	200	1.76	399	7	0.08%	0.532	1,760
5235	2015 Chevrolet Equinox AWD	Building - Rental Inspection	Gasoline	18.4	\$ 1.99	\$ 0.11	9,253	503	4.42	1,003	184	2.10%	0.478	4,420
5236	2017 Chevrolet Equinox	Building - Rental Inspection	Gasoline	12.2	\$ 1.99	\$ 0.16	3,788	310	2.72	618	519	5.92%	0.719	2,723
5237	2017 Chevrolet Equinox	Building - Construction Fund	Gasoline	13.8	\$ 1.99	\$ 0.14	3,851	280	2.46	558	285	3.25%	0.638	2,458
5238	2017 Chevrolet Equinox	Building - Construction Fund	Gasoline	15.4	\$ 1.99	\$ 0.13	7,069	460	4.04	916	592	6.76%	0.571	4,039

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
6202	2011 Ford Ranger Pickup	Recreation - Planning &	Gasoline	19.6	\$ 1.99	\$ 0.10	1,245	64	0.56	127	72	0.82%	0.449	559
6205	2013 Ford F-250 Crew Cab 4X4	Recreation - Leslie Golf Course - Maint.	Gasoline	205.7	\$ 1.99	\$ 0.01	1,399	7	0.06	14	8	0.09%	0.043	60
6206	2016 Ford F-250 4x4	Recreation - Recreation Facilities-	Gasoline	9.6	\$ 1.99	\$ 0.21	6,226	648	5.69	1,291	336	3.84%	0.914	5,689
6218	2017 Chevrolet Express 3500	Recreation - Recreation Facilities-	Gasoline	12.3	\$ 1.99	\$ 0.16	3,035	246	2.16	490	134	1.53%	0.711	2,159
6219	2016 Dodge Grand Caravan SE	Recreation - Natural Areas and	Gasoline	18.1	\$ 1.99	\$ 0.11	4,210	232	2.04	463	1,354	15.46%	0.484	2,039
6220	2011 Chevrolet Express 15 Pass	Recreation - Recreation Facilities	Gasoline	13.3	\$ 1.99	\$ 0.15	2,810	212	1.86	421	-	0.00%	0.661	1,858
6221	2013 GMC Savana 3500 Ext WB	Recreation - Recreation Facilities	Gasoline	12.0	\$ 1.99	\$ 0.17	4,041	337	2.96	671	56	0.64%	0.732	2,956
6222	2013 GMC Savana 3500 Ext WB	Recreation - Recreation Facilities	Gasoline	12.3	\$ 1.99	\$ 0.16	2,863	233	2.04	463	-	0.00%	0.713	2,042
6223	2013 GMC Savana 3500 Ext WB	Recreation - Recreation Facilities	Gasoline	11.0	\$ 1.99	\$ 0.18	4,229	386	3.39	769	-	0.00%	0.801	3,389
6224	2014 GMC Savana 15 Pass Van	Recreation - Recreation Facilities	Gasoline	13.1	\$ 1.99	\$ 0.15	2,900	221	1.94	440	8	0.09%	0.669	1,941
6225	2014 GMC Savana 15 Pass Van	Recreation - Recreation Facilities	Gasoline	12.3	\$ 1.99	\$ 0.16	3,335	270	2.37	538	44	0.50%	0.711	2,372
6226	2016 Ford Transit Wagon	Recreation - Recreation Facilities	Gasoline	12.9	\$ 1.99	\$ 0.15	3,497	271	2.38	540	-	0.00%	0.681	2,380
6230	2018 RAM Promaster City	& Recreation - Park & Public Space	Gasoline	16.1	\$ 1.99	\$ 0.12	9,526	593	5.21	1,181	1,585	18.09%	0.547	5,206
6235	2018 Chevrolet 3500 Van	Recreation - Recreation Facilities	Gasoline	13.5	\$ 1.99	\$ 0.15	3,379	251	2.21	500	486	5.55%	0.653	2,206
6240	2016 GMC Sierra PU	& Recreation - Park & Public Space	Gasoline	12.7	\$ 1.99	\$ 0.16	5,124	405	3.56	807	455	5.19%	0.694	3,556
6241	2016 GMC Sierra PU	Water-Forestry Operations -	Gasoline	9.0	\$ 1.99	\$ 0.22	5,101	568	4.99	1,132	876	10.00%	0.979	4,991
6252	2016 Ford F-250 4X2	Recreation - Natural Areas and	Gasoline	10.4	\$ 1.99	\$ 0.19	2,521	243	2.13	484	24	0.27%	0.846	2,133
6253	2019 Ford F-250 4x4	Recreation - Natural Areas and	Gasoline	13.4	\$ 1.99	\$ 0.15	8,587	641	5.63	1,277	605	6.91%	0.656	5,630
6255	2019 Ford F-250 4x4	Recreation - Natural Areas and	Gasoline	14.3	\$ 1.99	\$ 0.14	8,171	572	5.02	1,139	614	7.01%	0.614	5,020

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
6260	2013 Ford F-350 w/Utility Body	& Recreation - Park & Public Space	Gasoline	8.2	\$ 1.99	\$ 0.24	6,784	822	7.22	1,638	1,535	17.52%	1.064	7,220
6261	2016 Ford F-250 4X2	& Recreation - Park & Public Space	Gasoline	14.1	\$ 1.99	\$ 0.14	9,912	705	6.19	1,404	790	9.02%	0.624	6,188
6262	2016 Ford F-250 4X2	& Recreation - Park & Public Space	Gasoline	9.0	\$ 1.99	\$ 0.22	9,786	1,082	9.50	2,155	1,308	14.93%	0.971	9,500
6263	2016 Ford F-250 4X4	& Recreation - Park & Public Space	Gasoline	8.5	\$ 1.99	\$ 0.23	7,901	928	8.15	1,849	1,310	14.95%	1.031	8,149
6264	2016 Ford F-250 4X4	& Recreation - Park & Public Space	Gasoline	8.1	\$ 1.99	\$ 0.24	7,011	861	7.56	1,716	1,320	15.07%	1.079	7,562
6265	2016 Ford F-250 Crew Cab 4X2	& Recreation - Park & Public Space	Gasoline	10.0	\$ 1.99	\$ 0.20	10,550	1,055	9.27	2,102	1,344	15.34%	0.878	9,266
6266	2016 Ford F-250 4X4	Public Works-Storm Water	Gasoline	5.5	\$ 1.99	\$ 0.36	3,802	687	6.03	1,369	755	8.62%	1.587	6,034
6267	2016 Ford F-250 4X4	& Recreation - Park & Public Space	Gasoline	9.0	\$ 1.99	\$ 0.22	5,534	612	5.37	1,220	1,188	13.56%	0.971	5,374
6268	2016 Ford F-250 4X4	& Recreation - Park & Public Space	Gasoline	7.0	\$ 1.99	\$ 0.28	6,859	979	8.59	1,950	1,222	13.95%	1.253	8,594
6274	2017 Ford F-150 4x2 Pickup	& Recreation - Recreation Facilities	Gasoline	14.0	\$ 1.99	\$ 0.14	3,282	235	2.06	468	272	3.11%	0.628	2,062
6278	2020 Ford F-250 4x4	Public Works - Parks Forestry	Gasoline	31.1	\$ 1.99	\$ 0.06	1,449	47	0.41	93	8	0.09%	0.282	409
6280	2018 Ford F-250	& Recreation - Park & Public Space	Gasoline	9.0	\$ 1.99	\$ 0.22	7,037	781	6.86	1,556	929	10.61%	0.974	6,857
6281	2016 Ford F-250 4x4	& Recreation - Park & Public Space	Gasoline	7.5	\$ 1.99	\$ 0.27	10,916	1,460	12.82	2,908	1,361	15.54%	1.174	12,817
6289	2016 Ford F-250 4x4	& Recreation - Park & Public Space	Gasoline	7.7	\$ 1.99	\$ 0.26	5,131	665	5.84	1,324	1,067	12.18%	1.137	5,836
6296	2013 GMC Sierra 2500 4X4	Park & Public Space Maint. - Parks &	Gasoline	8.0	\$ 1.99	\$ 0.25	3,592	449	3.95	895	379	4.33%	1.099	3,946
6297	2013 GMC Sierra 2500 4X4	& Recreation - Park & Public Space	Gasoline	8.1	\$ 1.99	\$ 0.25	5,165	638	5.60	1,270	678	7.74%	1.084	5,599
6298	2013 GMC Sierra 2500 4X4	& Recreation - Park & Public Space	Gasoline	6.2	\$ 1.99	\$ 0.32	4,525	734	6.44	1,462	873	9.97%	1.424	6,443
6299	2013 Ford F-150 Ext Cab	& Recreation - Recreation Facilities	Gasoline	11.3	\$ 1.99	\$ 0.18	1,236	109	0.96	217	-	0.00%	0.775	959
6526	2007 GMC 3500HD 3 Yard Dump	& Recreation - Natural Areas	Diesel	10.4	\$ 1.88	\$ 0.18	945	91	0.92	170		0.00%	0.978	924

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
7206	2014 Ford F-250 4X4	Facility Services - Airport - Grounds	Gasoline	54.9	\$ 1.99	\$ 0.04	6,994	127	1.12	254	2,059	23.50%	0.160	1,118
7207	2020 Ford F-350 4X4	Facility Services - Airport - Grounds	Gasoline	8.0	\$ 1.99	\$ 0.25	216	27	0.24	54	158	1.80%	1.104	238
8251	2017 Chevrolet Colorado 4WD P/U	Waste- Administration	Gasoline	19.5	\$ 1.99	\$ 0.10	10,518	538	4.72	1,072	22	0.25%	0.449	4,725
8270	2015 GMC Sierra 1500 4X2	Waste- Administration	Gasoline	11.6	\$ 1.99	\$ 0.17	7,993	692	6.08	1,378	933	10.65%	0.760	6,075
8271	2016 GMC Sierra PU	Water - Forestry Operations --	Gasoline	12.0	\$ 1.99	\$ 0.17	3,083	257	2.25	511	36	0.41%	0.731	2,252
9223	2018 Chevrolet Colorado	- Engineering - Engineering	Gasoline	13.3	\$ 1.99	\$ 0.15	2,559	193	1.69	384	1,752	20.00%	0.661	1,692
9224	2016 Chevrolet Equinox	- Engineering - Engineering	Gasoline	12.3	\$ 1.99	\$ 0.16	1,759	143	1.25	284	1,436	16.39%	0.712	1,252
9237	2017 Chevrolet Express Van	Street - Engineering - Engineering - Eng	Gasoline	8.7	\$ 1.99	\$ 0.23	534	62	0.54	123	112	1.28%	1.015	542
9250	2013 Chevrolet Express 2500	- Engineering - Engineering	Gasoline	8.1	\$ 1.99	\$ 0.25	2,251	278	2.44	553	493	5.63%	1.083	2,438
9251	2013 Chevrolet Express 2500	- Engineering - Engineering - Private	Gasoline	7.1	\$ 1.99	\$ 0.28	3,652	512	4.50	1,020	1,216	13.88%	1.231	4,497
9252	2013 Chevrolet Express 2500	- Engineering - Engineering	Gasoline	7.1	\$ 1.99	\$ 0.28	1,766	249	2.19	496	823	9.39%	1.239	2,188
9253	2013 Chevrolet Express 2500	- Engineering - Engineering - Private	Gasoline	6.3	\$ 1.99	\$ 0.31	2,778	438	3.85	873	1,575	17.98%	1.385	3,846
9254	2013 Chevrolet Express 2500	- Engineering - Engineering	Gasoline	7.1	\$ 1.99	\$ 0.28	2,050	290	2.55	578	1,679	19.17%	1.244	2,550
9255	2013 Chevrolet Express 2500	- Engineering - Engineering - Private	Gasoline	6.6	\$ 1.99	\$ 0.30	2,585	390	3.43	778	1,894	21.62%	1.326	3,428
9256	2016 Ford Transit Cargo Van	- Engineering - Engineering	Gasoline	12.8	\$ 1.99	\$ 0.16	8,428	658	5.78	1,312	1,663	18.98%	0.686	5,781
9257	2016 Ford Transit Cargo Van	Street - Engineering - Engineering - Eng	Gasoline	9.5	\$ 1.99	\$ 0.21	6,649	703	6.18	1,401	1,933	22.07%	0.929	6,176
9258	2016 Ford Transit Van	- Engineering - Engineering	Gasoline	9.8	\$ 1.99	\$ 0.20	2,458	252	2.21	502	868	9.91%	0.900	2,212
9259	2016 Ford Transit Van	- Engineering - Engineering	Gasoline	8.0	\$ 1.99	\$ 0.25	3,683	463	4.06	922	2,019	23.05%	1.104	4,065
unk	Replacement for 0353 put in service in FY21.	Police Dept	Gasoline											

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	MPG	Average Cost per Gallon	Average Cost per Mile	FY20 Miles Driven (1)	FY20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY20 Fuel Cost	FY20 Engine Hours Used	Vehicle Utilization (engine hrs / 8760) (2)	Estimated Emissions per Mile	Carbon Dioxide Emissions (kg)
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**Totals: 209 Vehicles 114,057 1,001.64 1,001,639**

Notes: (1) Annual miles driven is manually reported at yearend by departments. For vehicles that are not reported, estimates are shaded gray. (2) The "8760" factor used in calculating vehicle utilization is the total number of hours in one year (365 x 24 = 8760).

**Attachment B**  
**Heavy Equipment Inventory Detail**

Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	FY 20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY 20 Fuel Cost	FY 20 Engine Hours Used (2)	Vehicle Utilization (engine hrs / 8760) (1)
0300	2006 Ford E450 Chassis	Fire Dept.	Diesel	41	0.4186	\$ 75	20	0.23%
0301	2006 GMC C5500	Police Dept	Diesel	211	2.1543	\$ 384	140	1.60%
1064	2019 Spartan Pumper/Rescue Engine	Fire Dept	Diesel	1,344	13.7200	\$ 2,446	971	11.08%
1070	2005 Spartan VA41M-2142 Engine	Fire Dept	Diesel	579	5.9104	\$ 1,054	291	3.32%
1071	2005 Spartan VA41M-2142 Engine	Fire Dept	Diesel	829	8.4630	\$ 1,509	343	3.92%
1072	2006 Spartan VA42G-2142	Fire Dept	Diesel	26	0.2674	\$ 48	30	0.34%
1073	2011 Crimson Metro Star Engine	Fire Dept	Diesel	1,750	17.8635	\$ 3,186	709	8.09%
1074	2011 Crimson Metro Star Engine	Fire Dept	Diesel	2,036	20.7904	\$ 3,708	751	8.57%
1080	2013 Sutphen SPH 100 Tower	Fire Dept	Diesel	2,683	27.3894	\$ 4,885	833	9.51%
1085	2016 Quint Fire Apparatus	Fire Dept	Diesel	183	1.8664	\$ 333	467	5.33%
1801	2016 Doosan P185 Air Compressor	Major St-Signal Install/ Rebuild	Diesel	20	0.2090	\$ 36	8	0.09%
1901	1970 Moline 1901 Tug	Fleet Services	Propane	-	-	\$ -	-	0.00%
1903	2004 Clark C25C Forklift	Fleet Services	Propane	-	-	\$ -	-	0.00%
2503	2018 Ford F-450	Storm Water-Revolving Eq	Gasoline	1,495	13.1279	\$ 2,975	1,340	15.30%
2504	2017 Ford F-450 4x4	Water Ops - Revolving Eq	Gasoline	1,146	10.0603	\$ 2,282	976	11.14%
2505	2017 Ford F-450 4x4	Storm Water - Revolving Eq	Gasoline	611	5.3664	\$ 1,217	422	4.82%
2520	2018 Western Star 4700 Tandem Axle	Water - Operations	Diesel	1,483	15.1373	\$ 2,700	719	8.21%
2521	2018 Western Star 4700 Single Axle	Sewer - Operations	Diesel	911	9.2992	\$ 1,658	965	11.02%
2560	2018 Western Star 4700	Water - Operations	Diesel	1,339	13.6759	\$ 2,439	913	10.42%
2561	2018 Western Star 4700	Water - Operations	Diesel	968	9.8793	\$ 1,762	645	7.36%
2611	2020 Western Star 4700	Sewer - Operations	Diesel	1,435	14.6471	\$ 2,612	676	7.72%
2616	2017 Ford F-450 4x2 Box Truck	Sewer-Televis Coll. System	Gasoline	1,882	16.5234	\$ 3,748	1,310	14.95%
2620	2012 Kenworth T440 Vactor	Sewer - Jetting	Diesel	3,213	32.8072	\$ 3,355	782	8.93%
2621	2015 Freightliner 114SD Vactor	Water - Maint. on Mains	Diesel	2,897	29.5786	\$ 5,273	1,177	13.44%
2622	2017 Freightliner FL 114 SD	Storm Water - Jetting	Diesel	3,167	32.3352	\$ 5,767	1,384	15.80%
2774	2016 John Deere Backhoe 310SL HL	Storm Water-Revolving Eq	Diesel	482	4.9233	\$ 878	527	6.02%
2780	2015 John Deere 333E Tractor	Sewer - Revolving Eq	Diesel	70	0.7176	\$ 127	105	1.20%
2816	2020 Doosan P185 Air Compressor	Sewer - Operations	Diesel	3	0.0306	\$ 5	1	0.01%
2817	2020 Doosan P185 Air Compressor	Storm Water-Revolving Eq	Diesel	3	0.0306	\$ 5	1	0.01%
2851	2009 Yanmar SV100-1 Excavator	Sewer-Revolving Eq	Diesel	556	5.6797	\$ 1,012	878	10.02%
2854	2014 John Deere 135G Excavator	Water-Revolving Eq	Diesel	233	2.3804	\$ 424	221	2.52%
2904	2020 Polaris Ranger EV Utility Vehicle	Sewer-WWTP Operations	Electric	-	-	\$ -	-	0.00%
2911	2012 E Z Go/Cushm 800 Electric	Sewer-WWTP Operations	Electric	-	-	\$ -	-	0.00%
2912	2014 EZ Go 250 Terrain Cart	Sewer-WWTP Operations	Electric	-	-	\$ -	-	0.00%
2913	2020 Polaris Ranger EV Utility Vehicle	Sewer-WWTP Operations	Electric	-	-	\$ -	-	0.00%

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2915	2006 John Deere Gator TS	Sewer-WWTP Operations	Gasoline	-	-	\$ -	-	0.00%
2920	1997 Komatsu FD40ZT-5 Forklift	Sewer-WWTP Operations	Diesel	-	-	\$ -	-	0.00%
2927	1988 Kalmar KC 30 Forklift	Sewer-WWTP Operations	Propane	-	-	\$ -	-	0.00%
2928	2017 Polaris Ranger EV	Sewer-WWTP Operations	Electric	-	-	\$ -	-	0.00%
2942	1994 Utilities Sewer Jet	Sewer-Operations	Gasoline	-	-	\$ -	5	0.06%
3285	2017 Ford F-450 4x4	Water-Operations	Gasoline	1,864	16.3658	\$ 3,713	1,704	19.45%
3550	2013 Freightler 108SD 5yd Dump	Storm Water-Revolving Eq	Diesel	329	3.3567	\$ 599	160	1.83%
3551	2013 Freightler 108SD 5yd Dump	Storm Water-Revolving Eq	Diesel	399	4.0727	\$ 721	227	2.59%
3776	2003 Case 580 Super M Backhoe	Sewer-WWTP Operations	Diesel	-	-	\$ -	-	0.00%
3777	2006 John Deere 624J Loader	Water-Operations	Diesel	910	9.2860	\$ 1,656	197	2.25%
3778	2016 John Deere Mini Excavator 60G	Water-Operations	Diesel	133	1.3547	\$ 242	435	4.97%
3779	2016 John Deere Backhoe 310SL HL	Water-Operations	Diesel	495	5.0585	\$ 901	512	5.84%
3802	2018 Doosan Air Compressor	Water-Operations	Diesel	44	0.4496	\$ 80	1,002	11.44%
3815	2018 Doosan Air Compressor	Water-Operations	Diesel	67	0.6847	\$ 122	1,033	11.79%
3921	2016 Ventrac 4500Z Tractor	Water-Operations	Gasoline	-	-	\$ -	473	5.40%
3953	2005 Caterpillar Fork Truck P5000	Water-Operations	Propane	-	-	\$ -	-	0.00%
4402	2020 Bobcat Toolcat Utility Vehicle	Major St-Salting/Plowing	Diesel	74	0.6464	\$ 134	71	0.81%
4500	2017 Ford F-450 4x2	Major St-Salting/Plowing	Gasoline	1,419	12.4605	\$ 2,824	1,013	11.56%
4505	2013 Ford F-450 With Dump Body	Major St-Signal Install/ Rebuild	Gasoline	787	6.9091	\$ 1,567	873	9.97%
4506	2016 Ford F-450 Dump	Local St-Road Maint.	Diesel	1,600	16.3334	\$ 2,913	1,355	15.47%
4550	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,253	12.7923	\$ 2,281	1,125	12.84%
4551	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,582	16.1495	\$ 2,880	758	8.65%
4552	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,429	14.5895	\$ 2,602	679	7.75%
4553	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,644	16.7840	\$ 2,993	783	8.94%
4554	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,078	11.0100	\$ 1,964	457	5.22%
4555	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,511	15.4284	\$ 2,752	534	6.10%
4556	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,444	14.7419	\$ 2,629	762	8.70%
4557	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	979	9.9988	\$ 1,783	413	4.71%
4558	2013 Freightliner 108SD Dump	Major St-Salting/Plowing	Diesel	1,343	13.7087	\$ 2,445	579	6.61%
4559	2016 Freightliner 108SD Dump	Local St-Salting/Plowing	Diesel	1,956	19.9727	\$ 3,562	981	11.20%
4594	2018 Western Star 4700 Tandem Axle	Local Street - Sweeping	Diesel	1,960	20.0075	\$ 3,568	781	8.92%
4595	2018 Western Star Tandem Dump	Major Street - Sweeping	Diesel	2,142	21.8706	\$ 3,900	879	10.03%
4599	2016 Freightliner 108SD Tandem	Local Street - Sweeping	Diesel	2,155	22.0038	\$ 3,924	959	10.95%
4604	2018 Freightliner M2-106	Major St-Signal Install/ Rebuild	Diesel	788	8.0493	\$ 1,436	806	9.20%
4613	2020 Freightliner M2-106	Major St-Signal Install/ Rebuild	Diesel	1,189	12.1359	\$ 2,164	1,343	15.33%



Vehicle #	Year, Make, Model, Drive Train (all vehicles are auto transmission)	Primary Use	Fuel Type	FY 20 Fuel Usage (Gallons)	GHG Emissions (MTCO2e)	FY 20 Fuel Cost	FY 20 Engine Hours Used (2)	Vehicle Utilization (engine hrs / 8760) (1)
4616	2009 IHC 4300 Bucket Truck Electric Hybrid	Major St-Signal Install/ Rebuild	Diesel	468	4.7777	\$ 852	373	4.26%
4617	2011 Ford F-750 Electric Hybrid	Major St-Signal Install/ Rebuild	Diesel	1,909	19.4931	\$ 3,473	1,712	19.54%
4644	2018 Freightliner Digger Derrick	Major St-Signal Sys. Control	Diesel	232	2.3679	\$ 422	232	2.65%
4730	2018 John Deere 622G Grader	Local St - Local Grading	Diesel	1,209	12.3478	\$ 2,200	440	5.02%
4740	2012 Elgin Pelican Sweeper P Series	Local Street - Sweeping	Diesel	1,508	15.3916	\$ 2,745	714	8.15%
4741	2015 Elgin Pelican Sweeper-NP	Local Street - Sweeping	Diesel	1,981	20.2242	\$ 3,607	1,287	14.69%
4746	2020 Elgin Broom Badger Sweeper	Storm Water-Sweeping	Diesel	109	1.1130	\$ 198	58	0.66%
4751	2015 Elgin Whirlwind Sweeper	Storm Water - Sweeping	Diesel	2,093	21.3744	\$ 3,812	654	7.47%
4755	2016 Elgin Pelican Sweeper	Storm Water - Sweeping	Diesel	1,952	19.9337	\$ 3,555	931	10.63%
4774	2016 John Deere 544K	Major St -Sweeping	Diesel	1,120	11.4307	\$ 2,039	784	8.95%
4783	2017 John Deere 35G Compact Excavator	Major St-Signal Install/ Rebuild	Diesel	86	0.8752	\$ 157	403	4.60%
4804	2018 Western Star 4900 Semi Tractor	Local St - Local Grading	Diesel	596	6.0841	\$ 1,085	203	2.32%
4864	2016 Cat Roller	Local St - ROW Maint.	Diesel	5	0.0461	\$ 9	121	1.38%
4884	1998 Wirtgen Asphalt Mill	Local St - ROW Maint.	Diesel	33	0.3336	\$ 60	27	0.31%
4888	2016 Leeboy Paver 8500D	Local St - ROW Maint.	Diesel	45	0.4553	\$ 82	71	0.81%
4905	2016 Spaulding Crack Sealer	Local St - ROW Maint.	Diesel	110	1.1185	\$ 200	-	0.00%
4914	2019 Caterpillar EV Forklift	Streets - Administration	Electric	-	-	\$ -	-	0.00%
6312	2014 Par Kan RD31-06YD Refuse Pickup	Solid Waste - Park Refuse	Diesel	1,850	18.8885	\$ 3,330	898	10.25%
6527	2013 Ford F-450 With Dump Body	Parks - Snow Eq	Gasoline	630	5.5322	\$ 1,255	397	4.53%
6528	2016 Ford F-450 Dump	Storm Water-Tree Removal	Diesel	608	6.2085	\$ 1,107	544	6.21%
6600	2016 Bobcat Toolcat 5600T	Parks - Maintenance	Diesel	271	2.7711	\$ 494	223	2.55%
6601	2018 Western Star 4700 Single Axle	Storm Water-Tree Removal	Diesel	1,604	16.3778	\$ 2,919	1,520	17.35%
6602	2018 Western Star 4700 Single Axle	Storm Water-Tree Removal	Diesel	1,266	12.9234	\$ 2,305	975	11.13%
6608	2018 Western Star 4700 Tandem	Storm Water-Tree Removal	Diesel	1,326	13.5387	\$ 2,415	921	10.51%
6616	2018 Freightliner M2-106	Storm Water-Tree Removal	Diesel	1,411	14.4029	\$ 2,525	1,260	14.38%
6618	2018 Freightliner M2-106	Storm Water-Tree Removal	Diesel	1,011	10.3214	\$ 1,622	1,053	12.02%
6624	2014 Hino 195 Refuse Truck w/Hol-Mac	Solid Waste - Park Refuse	Diesel	1,965	20.0668	\$ 3,579	1,813	20.70%
6712	2018 John Deere Z960M	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6713	2018 Toro Workman GTX	HHGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6714	2018 Toro Workman GTX	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6715	2018 Toro Greensmaster 3150-Q	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6716	2018 Toro Multi-Pro 1750	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6718	2018 Buffalo Blower	HHGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6719	2018 Self-Propelled Greens Roller	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6720	2018 Toro Reelmaster 5410-D	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%

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6721	2019 Toro Groundsmaster 4500-D	LPGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6722	2019 Toro Workman HDX	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6723	2019 Toro Greensmaster Triflex Hybrid	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6770	2015 Bobcat MT 55 Mini Loader	Parks - Playground Maint	Diesel	16	0.1654	\$ 29	88	1.00%
6780	2020 Ventrac 4500Y Tractor	Parks - Maintenance	Diesel	60	0.6148	\$ 110	96	1.10%
6783	2004 John Deere 5320 Tractor	Parks - Snow Eq	Diesel	27	0.2725	\$ 49	14	0.16%
6785	2004 John Deere 5320 Tractor	Parks - Snow Eq	Diesel	207	2.1138	\$ 377	226	2.58%
6793	2017 Trackless Tractor MT7	Parks - Snow Eq	Diesel	232	2.3691	\$ 423	91	1.04%
6801	2016 Toro #7210 Mower	Parks - Maintenance	Diesel	276	2.8153	\$ 502	516	5.89%
6802	2016 Toro #7210 Mower	Parks - Maintenance	Diesel	201	2.0570	\$ 366	603	6.88%
6842	2011 Billy Goat Leaf Vac	Parks - Maintenance	Gasoline	22	0.1907	\$ 44	87	0.99%
6855	1998 Club Turf	HHGC Maintenance	Electric	-	-	\$ -	-	0.00%
6860	2014 Kubota	Parks - Maintenance	Diesel	8	0.0796	\$ 15	61	0.70%
6868	2007 Billy Goat BC2402H Brush	Parks - Maintenance	Gasoline	-	-	\$ -	-	0.00%
6880	2014 Toro 72" mower	Parks - Maintenance	Diesel	333	3.4016	\$ 606	613	7.00%
6881	2014 Toro 72" mower	Parks - Maintenance	Diesel	190	1.9392	\$ 346	593	6.77%
6882	2015 John Deere 1580 4WD Mower	Parks - Maintenance	Diesel	164	1.6718	\$ 298	756	8.63%
6883	2015 John Deere 1580 4WD Mower	Parks - Maintenance	Diesel	200	2.0467	\$ 364	658	7.51%
6884	2015 John Deere 1580 4WD Mower	Parks - Maintenance	Diesel	168	1.7156	\$ 306	424	4.84%
6886	2017 John Deere tractor	Parks - Maintenance	Diesel	-	-	\$ -	-	0.00%
6890	2013 Toro 5040 Sandpro	Parks - Maintenance	Gasoline	88	0.7719	\$ 175	252	2.88%
6897	2016 Toro 5910	Parks - Maintenance	Diesel	996	10.1739	\$ 1,813	531	6.06%
6898	2016 Toro #5910	Parks - Maintenance	Diesel	1,154	11.7830	\$ 2,100	750	8.56%
6899	2016 Toro #5910	Parks - Maintenance	Diesel	1,161	11.8576	\$ 2,113	649	7.41%
6901	2017 Toro Workman GTX	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6902	2017 Toro Groundsmaster 7200	HHGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6903	2017 Toro Workman GTX	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6904	2017 Toro Sand Pro 3040	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6907	2017 Toro Groundsmaster 3500D	LPGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6908	2017 Toro Groundsmaster 3500D	LPGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6910	2017 Toro Reelmaster 5410D	HHGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6911	2017 Toro Workman HDX	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6913	2017 Toro Groundsmaster 3150-Q	LPGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6914	2017 Toro Groundmaster 4500D	HHGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6916	2001 Bandit 90W Chipper	Parks - Maintenance	Gasoline	184	1.6182	\$ 367	761	8.69%

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6920	2008 Zamboni model 545 LPG	Parks - Veterans Ice Arena	Propane	-	-	\$ -	-	0.00%
6922	2017 Toro Groundmaster 3150-Q	HHGC Maintenance	Gasoline	-	-	\$ -	-	0.00%
6923	2017 Toro Reelmaster 5410D	LPGC Maintenance	Diesel	-	-	\$ -	-	0.00%
6924	2018 Zamboni	Parks - Buhr Ice Arena	Gasoline	-	-	\$ -	245	2.80%
6925	2018 Zamboni	Parks - Veterans Ice Arena	Propane	-	-	\$ -	436	4.98%
6928	2016 Bandit Chipper 1990	Storm Water-Tree Removal	Diesel	730	7.4531	\$ 1,329	1,533	17.50%
6939	2018 Vermeer Stump Cutter	Storm Water-Tree Removal	Diesel	109	1.1096	\$ 198	302	3.45%
6993	2003 John Deere Gator	Parks - Maintenance	Diesel	5	0.0543	\$ 9	48	0.55%
7600	1984 Unimog1200 Sweeper	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
7626	1988 Spartan/Sweepster S3100B	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
7700	2015 John Deere 524K Loader	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
7773	1999 Massey-Ferguson Tractor 281	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
7778	2009 Toro 5910 16' Mower	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
7973	1996 Toro Grounds 300 Mower	Airport - Grounds	Diesel	-	-	\$ -	-	0.00%
8517	2013 Mack MRU 603 Refuse Truck w/ C	Solid Waste-Front Load-Comme	CNG	2,074	0.1120	\$ 6,621	1,985	22.66%
8519	2013 Mack MRU 603 Refuse Truck w/ C	Solid Waste-Commercial Recycli	CNG	9,538	0.5150	\$ 23,649	2,037	23.25%
8532	2017 MACK LR 613 Refuse Truck	Solid Waste-Read Load-Comme	Diesel	3,654	37.3095	\$ 6,654	2,129	24.30%
8630	2017 Mack LR613 Refuse Truck	Solid Waste-Res. Collection	Diesel	5,241	53.5129	\$ 9,544	1,595	18.21%
8631	2017 Mack LR613 Refuse Truck	Solid Waste-Res. Collection	Diesel	4,822	49.2319	\$ 8,479	1,771	20.22%
8632	2017 Mack LR613 Refuse Truck	Solid Waste-Res. Collection	Diesel	4,275	43.6469	\$ 7,784	1,348	15.39%
8633	2019 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	5,142	52.5036	\$ 9,358	1,517	17.32%
8634	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	3,461	35.3364	\$ 6,301	1,166	13.31%
8635	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	3,932	40.1444	\$ 7,159	1,134	12.95%
8636	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	3,904	39.8554	\$ 7,108	1,081	12.34%
8637	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	4,162	42.4940	\$ 7,592	1,092	12.47%
8647	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	148	1.5111	\$ 300	24	0.27%
8648	2020 Autocar Labrie Refuse Truck	Solid Waste-Res. Collection	Diesel	158	1.6132	\$ 320	25	0.29%
8652	2016 Lodal EVOT28-U300	Solid Waste-Commercial Recycli	Diesel	3,560	36.3506	\$ 6,483	2,024	23.11%
8689	2014 Mack LEU613 Refuse Truck	Solid Waste-Single Family Recyc	Diesel	5,427	55.4097	\$ 9,769	1,600	18.26%
8690	2014 Mack LEU613 Refuse Truck	Solid Waste-Single Family Recyc	Diesel	5,109	52.1629	\$ 9,197	1,599	18.25%
8691	2014 Mack LEU613 Refuse Truck	Solid Waste-Single Family Recyc	Diesel	5,227	53.3677	\$ 9,408	1,735	19.81%
8692	2014 Mack LEU613 Refuse Truck	Solid Waste-Single Family Recyc	Diesel	4,718	48.1708	\$ 8,493	1,539	17.57%
8693	2007 Labrie Expert-Comingle	Solid Waste-Single Family Recyc	Diesel	1,076	10.9860	\$ 1,937	216	2.47%
8697	2010 Peterbilt Refuse Truck 320 Hydr H	Solid Waste-Single Family Recyc	Diesel	5,164	52.7244	\$ 9,296	1,430	16.32%
8698	2010 Peterbilt Refuse Truck 320 Hydr H	Solid Waste-Single Family Recyc	Diesel	3,386	34.5711	\$ 6,095	939	10.72%

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8920	2015 John Deere 1580 4WD Mower	Solid Waste - Landfill	Diesel	202	2.0656	\$ 368	616	7.03%
8972	Volvo Loader L70F	RAA - MRF Operations	Diesel	-	-	\$ -	-	0.00%
8973	John Deere 270D Excavator	RAA - MRF Operations	Diesel	-	-	\$ -	-	0.00%
8974	Clark Fork Lift	RAA - MRF Operations	Diesel	-	-	\$ -	-	0.00%
8975	Clark Fork Truck	RAA - MRF Operations	Diesel	-	-	\$ -	-	0.00%
8518	Carryover (sold in FY20, replaced FY21)	Solid Waste-Front Load-Comme	CNG	-	-	\$ -	1,865	21.29%
TOTALS	<b>181 VEHICLES</b>			<b>178,478</b>	<b>1,689.74</b>			

Notes: (1) The "8760" factor used in calculating vehicle utilization is the total number of hours in one year (365 x 24 = 8760). (2) Areas shaded in gray are estimates.