



BgyExwQD

Entry details

IMPORTANT NOTES

Numbers next to prompts refer to total characters allowed per field but you do not have to use them all. Optional refers to the maximum, but not mandatory number of characters per field. **All questions must be answered to be considered for placement within the Green Fleet Awards.**

FLEET COMPOSITION

1. Dedicated Alternative Fuel and Hybrid Vehicles

List the number of dedicated alternative fuel and hybrid vehicles in your fleet and provide the percentage of those vehicles as reflected in the total vehicles in class.

Note: Dedicated vehicles are those which run only on the fuels listed.

Light Duty Classes 1 and 2 GVW; up to 10,000 lbs.

	Fuel Type	Total # in Fleet	% of Fleet in Class
1	Propane	0	0
2	CNG	5	0
3	Electric	44	0
4	Hybrid (traditional)	42	0
5	Hybrid (plug-in)	33	0
6	Gasoline	3,030	0
7	Diesel	0	0
8	Other/Bi-Fuel (see below)	0	0
9	TOTAL	3,154	0

Medium Duty Classes 3, 4, and 5 GVW; >10,000 to 19,500 lbs

	Fuel Type	Total #in Fleet	% of Fleet in Class
1	Propane	0	0
2	CNG	2	0
3	Electric	2	0
4	Hybrid (traditional)	0	0
5	Hybrid (plug-in)	0	0

6	Gasoline	26	0
7	Diesel	446	0
8	Other/Bi-Fuel (see below)	0	0
9	TOTAL	476	0

Heavy Duty Classes 6, 7, and 8; >19,500 lbs.

	Fuel Type	Total #in Fleet	% of Fleet in Class
1	Propane	0	0
2	CNG	28	0
3	Electric	2	0
4	Hybrid (traditional)	0	0
5	Hybrid (plug-in)	0	0
6	Gasoline	0	0
7	Diesel	592	0
8	Other/Bi-Fuel (see below)	0	0
9	TOTAL	622	0

If you indicated some Bi-Fuel Vehicles, what type do you have?

	Fuel Type	Total # in Fleet
1	Propane	0
2	LNG	0
3	CNG	5

Explain briefly what these bi-fuel vehicles are.

The vehicles are Ford F150 trucks that utilize both regular gasoline and compressed natural gas as a fuel source.

Do you use alternative fuel in the above referenced bi-fuel vehicles? Yes

What percentage of the time? 83

Do you have any special technology vehicle applications?

	Type	Total # in Fleet
1	Hydrogen	0
2	Fuel cell	0
3	Other	0

If there are "Other" vehicles listed above, what are they and for what are they are used?

N/A

Total number of ALL units in fleet (please do not count small lawn equipment, small mowers, saws, trimmers, etc.) 4588

Percent of those that are:

Type	Percentage
1 on-road	94
2 off-road	6

For those off-road vehicles, briefly describe the general type of equipment.

The City of Atlanta's off-road fleet consists of rubber tire loaders, front-end loaders, excavators, mini excavators, light plants, trailers, pumps, forklifts, and various other equipment.

Describe what main things your fleet does and whom you serve.

The City of Atlanta provides a variety of services for the citizens whom they serve. Services may include but are not limited to, responding to emergencies, environmental protection, police and fire protection, sanitation collection and disposal, streets and roads, and water and sewer services.

FUEL and EMISSIONS

2. Fuel Usage

Quantify your total fuel use for a period of one year. You can either do the last full calendar or fiscal year (i.e., January 1 to December 31 OR the last 12 months). Please note: conventional vehicles using a biodiesel blend are not considered "bi-fuel".

Traditional fuel used	Gasoline/Diesel
State total gallons gasoline/diesel or gasoline only	2,668,304
Gasoline only (in gallons)	1,649,495
Diesel (in gallons)	1,018,808

3. Fuel-Efficient Vehicles

List the number of gasoline- or diesel-powered vehicles in your fleet that are rated at an EPA average of 30 MPG (highway) or more. 336

Indicate the percentage of those vehicles as reflected in the total number of vehicles in your light duty fleet. 10.06

4. Flex Fuel Vehicles

List the number of flex fuel (E85 Ethanol) vehicles in your fleet. 340

List the percentage of Flex Fuel vehicles your light duty fleet class. 10.2

Do you have a policy for acquiring flex fuel vehicles if they are available for the duty cycle? No

5. Bio and Alternative Fuel Usage

List the amount of bio and alternative fuels used each year and the percentage of overall fuel usage when compared to the use of regular fossil fuels.

Fuel Type	Used? (Yes or No)	# Gallons per year	Overall % of fuel used
1 E-85	Yes	0	0

2	E-15/E-20	No	0	0
3	Propane	Yes	0	0
4	CNG	Yes	0	0
5	CNG Renewable	No	0	0
6	LNG	No	0	0
7	LNG Renewable	No	0	0
8	Renewable Diesel	No	0	0
9	Bio Diesel (B100 ONLY)	No	0	0

State the biodiesel blend your fleet commonly uses. N/A

How did your organization choose which biodiesel blend to use?

N/A

Does your state or locale have a biodiesel mandate? No

Are you limited by your fuel contract (state, consortium, or other) on how high a biodiesel blend you can use? (i.e., does your state contract only offer for example B5?) No

Have you taken official action to utilize a higher blend? No

Does your state or locale have "clean fuel fleet rules or a mandate"? No

5a. Electricity Usage in Vehicles

If available, provide the amount of electricity used (include units of measurement). Approx. 150,000 kWh

6. Vehicle Miles Traveled and Fleet Size

What were your Vehicle Miles Traveled (VMT) for the reported year? -

What were your Vehicle Miles Traveled (VMT) for last year? -

Has the total number of vehicles in your fleet increased, decreased, or remained the same as compared to last year? Increased

What has caused any significant changes in either VMT or fleet size? Coming out of COVID, in-person work increased

GREEN FLEET ACCOMPLISHMENTS

7a. Greenest Fleet

Why should you be chosen as the greenest fleet?

The City of Atlanta has consistently been a sustainability pioneer, boasting one of the largest green fleets in the country. As part of its Alternative Fuel Conversion Plan, the city has over 193 alternative fuel vehicles and the most city-operated EV charging infrastructure in the Southeast. Having initially leased EVs, Atlanta saw their benefits and purchased additional assets. In 2017 and 2021, the city passed an EV Readiness ordinance, requiring all new single-family homes to be EV-ready, as well as 20% of new commercial and multi-family residential parking. The city also offers an EV Readiness Workbook to guide residential and commercial building owners in installing EV charging infrastructure.

Under Mayor Dickens, Atlanta continues to champion electric vehicles (EVs). Mayor Dickens switched his executive protection vehicle to a Rivian R1S, becoming the first Mayor in the U.S. to use an electric vehicle for this purpose. The city also announced the Hertz Electrifies Atlanta initiative, a public-private partnership aiming to bring 4000 rental EVs to Atlanta, provide EV training modules for the Atlanta College and Career Academy, and offer summer job opportunities through the City's Summer Youth Employment Program.

Atlanta's fleet includes Nissan Leafs, Chevy Bolts, Ford Mach-Es, Rivian R1S, and they await the delivery of Ford Lightning F-150 trucks. In line with diversifying its EV use cases, the DPW has issued an RFI for eight more light and medium-duty EVs, and launched a fleet replacement study to identify more opportunities for EV incorporation. The city also uses smart telematics from Samsara, Rubicon Global, and Fleet Works to optimize decision-making, routing, and emission reduction, thus demonstrating Atlanta's commitment to further expanding its green fleet.

Resources:

Alternative Fuel Conversion Plan (100ATL.com)

EV Policy Toolkit for Cities (<https://electrificationcoalition.org/local-policy-toolkit/>)

EV Readiness Workbook (<https://www.atlantaga.gov/home/showdocument?id=34401>)

Hertz Electrifies Atlanta (<https://newsroom.hertz.com/news-releases/news-release-details/hertz-and-mayor-dickens-launch-hertz-electrifies-atlanta>)

7b. Greenest Accomplishment

Please describe your greatest green fleet accomplishment? Please include metrics if applicable (ex. Fuel use reduction, efficiency improvements, expenditures reduced/dollars saved or any other important metrics). Please do not be repetitive of the prior question.

The upfront costs of electric vehicles present a significant challenge for local governments aiming to transition swiftly to a clean, green fleet. To address this issue and start electrifying its own fleet, the City of Atlanta initially leased 61 Nissan Leafs and Chevy Volts from Vision Fleet, a package that also included over 35 Level 2 EV chargers. These vehicles were deployed across multiple departments, including the Atlanta Fire Department, the Atlanta Information Management Department, the Atlanta Police Department, Department of Enterprise and Asset Management, Department of Public Works, Human Resources, Department of Watershed Management, Department of Planning, and the Mayor's Office of Sustainability and Resilience.

Survey data from the Office of Sustainability showed that these electric vehicles were well-received by city employees, saving tens of thousands of dollars in maintenance costs compared to their ICE counterparts. This positive experience encouraged departments like Watershed Management, Aviation, and Public Works to plan for additional electric vehicle purchases when funds became available.

When Vision Fleet filed for bankruptcy, the City of Atlanta seized the opportunity to purchase 56 electric vehicles at a significant discount. Utilizing its Sustainable Revolving Loan Fund, the Mayor's Office of Sustainability and Resilience acquired these 56 Nissan Leafs and Chevy Volts for \$519,374.46, or approximately \$9,275 per EV. This transaction marked the largest local government purchase of electric vehicles in state history. Since then, the City of Atlanta has added an additional 25 electric vehicles to its fleet, with more on order pending delivery. This is one of the many reasons why Atlanta's green and clean fleet should be considered for NAFA's Green Fleet Awards. For more info: https://checkbook.atlantaga.gov/#!/year/2019/explore/0/vendor_name/VISION+RIDGE+PARTNERS+LLC/0/departmen

7c. Environmental Impact

How do you think your fleet contributes to improving our environment? Please be specific. What specific actions have you taken?

Poor air quality significantly impacts our community's health, especially in relation to respiratory conditions and certain forms of cancer. Atlanta's comprehensive green fleet and clean transportation initiatives, including its 193 alternative fuel vehicles and the application of telematics and smart routing applications, positively affect our environment and communities. The 81 electric vehicles in the City's fleet, encompassing light, medium, and heavy-duty vehicles, emit no nitrogen oxide or particulate matter pollution, thereby preserving local air quality, particularly vital when urban heat intensifies. Furthermore, these electric vehicles, along with the 112 other hybrid and CNG alternative-fueled vehicles, produce substantially fewer greenhouse gas emissions, supporting the City's goal to mitigate 40% of Greenhouse Gas Emissions by 2030. Additionally, the City of Atlanta has an adopted goal to provide 100% clean energy for all Atlantans by 2035, which will foster a cleaner electricity fuel mix for electric vehicles. The City's efforts extend beyond the vehicles in our fleet, and the details can be found throughout this application.

7d. Impediments

What primary impediments have you faced in greening your fleet?

Costs and mainly upfront costs have been the main challenge for rapid greening of our fleet to progress and meet our City's sustainability and climate goals.

OUTREACH

8a. Participation

Please describe any associations or professional group your department participates in, and include any leadership positions.

DPW OFS has team members that are newly enrolled in NAFA and are currently enrolled in the CAFM (Certified Automotive Fleet Manager) program. DWM's Director Horton is currently taking the CAFM Fleet Manager training through NAFA and DWM Manager Smith will be taking it and the sustainability certification in August. Clean Cities Georgia - The City is a member of Clean Cities Georgia, the first of the Department of Energy's 100 Clean Cities Coalitions across the country. CCGA is the central coordinating point for alternative fuel vehicle (AFV) activities in the state of Georgia. Our shared mission with the national Clean Cities Program is to advance the energy, economic, and environmental security of the United States by supporting local actions to reduce petroleum use in transportation. More info: <https://www.cleancitiesgeorgia.org/about/mission/> USDN and SSDN - The City of Atlanta is a member of the Urban Sustainability Directors Network and the Southeast Sustainability Directors Network. USDN works to create equitable, resilient, and sustainable communities by advancing the field of local government sustainability and equipping practitioners to be catalysts of transformative change. More info at: <https://www.usdn.org/about.html>

8b. Green Fleet Training

Please describe any green fleet training your staff and/or technicians have done.

DPW OFS has team members that are newly enrolled in NAFA and are currently enrolled in the CAFM (Certified Automotive Fleet Manager) program. DWM's Director Horton is currently taking the CAFM Fleet Manager training through NAFA and DWM Manager Smith will be taking it and the sustainability certification in August

8c. Employee Empowerment

How do you include and empower your employees?

In DWM's weekly meetings, we address the main issue of excessive fuel usage due to unnecessary vehicle idling. Employees are encouraged to report any unattended idling vehicles to supervisors and managers. We also use Verizon Network Fleet's dashboard to identify habitual idling offenders. These individuals are highlighted in a bi-weekly report delivered to their supervisors and managers. Employees who demonstrate the most significant improvements in their cost center for a quarter are recognized and rewarded with a certificate and a \$25.00 gift card. The City of Atlanta has hosted multiple ride-and-drive events for department leaders and city employees, showcasing various electric vehicles and their use cases. These events allow staff and department leaders to test these cars, offering an opportunity to ask questions about fueling, operations, etc., to different manufacturer representatives. In partnership with the Georgia Department of Labor, Atlanta Technical College, and the Technical College System of Georgia, Hartsfield-Jackson Atlanta International Airport (ATL) recently launched the ATL Apprenticeship Program. This new initiative provides a unique, paid opportunity for selected high school students to "earn while they learn" a trade, mentored by an ATL Department of Aviation employee.

8d. Events

Please describe any events you have had at your organization regarding green fleet outreach or outreach to the community.

In partnership with Clean Cities GA, the city is hosting the 2023 clean transportation summit on September 27. The Clean Transportation Summit is a Clean Cities Georgia event hosted in partnership with Georgia Institute of Technology, Southface Institute, Georgia Power, and Georgia Chamber of Commerce. This event will be an opportunity to build public-private partnerships and talk about successes and challenges with all forms of clean transportation, both within Georgia and the region. This event will also be in honor of U.S. DOE's National Clean Cities Network's 30th Anniversary, and Clean Cities Georgia as the first coalition founded in 1993. <https://www.cleancitiesgeorgia.org/event/clean-transportation-summit/> The City of Atlanta has hosted and co-hosted multiple ride and drive events for Department leaders and City employees, these events showcase different electric vehicles and use cases. It has also allowed for staff and department leaders to demonstrate these cars in action to get a feel for how they work and allow for questions re: fueling, operations, etc. to different manufacturer representatives. EV Showcase – The City co-hosted a EV Showcase at Lenox mall along, including electric vehicles from its fleet and 50 other EVs for community members and employees to explore. National Drive Electric Week Atlanta – NDEW is a nationwide celebration to raise awareness of the many benefits of all-electric and plug-in electric cars, trucks, motorcycles, and more. More info at: <https://www.cleancitiesgeorgia.org/event/national-drive-electric-week-car-shows-atlanta-macon-peachtree-cornerns/>

8e. External Programs

Do you participate in any vocational school or outside training, apprenticeship, or fellowship programs?

Yes

8f. Inter-Governmental/Organizational Cooperation

Are you a part of a commercial or public fleet?

Public

Have you done anything with other municipalities? Green fleet and any other things, inter-municipal agreements, etc.

Atlanta has joined forces with four other local governments to advocate for clean energy and energy equity in Georgia Power's 2022 Integrated Resource Plan and the 2022 Rate Case, influencing the utility's 20-year strategy for energy investment. Our efforts, as part of the Georgia Coalition, led to key achievements such as a \$60+ million expansion of the Make Ready Program for electric vehicle infrastructure. This program, which covers charger installation and maintenance, has already provided the City's Department of Aviation with over \$100,000 for additional chargers at the Airport's Technical Campus.

POLICY and PLANNING

9a. Policies and Procedures

Please tell us what policies and procedures you have implemented to green your fleet, downsize the total fleet size or right type specific vehicle categories.

DPW OFS is currently working on a fleet replacement study that will provide a long-term plan for the fleet as a whole and where there are more opportunities to incorporate more electric vehicle options.

The City of Atlanta partnered with Georgia Power for a "will it work" feasibility study that analyzed hundreds of light duty vehicles in the City's fleet to determine which vehicles would be best for replacement as a part of the City's Alternative Fuel Conversion Plan. (available at: Resources — CLEAN ENERGY ATLANTA (100atl.com)) This led to 56 light duty electric vehicles being added to the City's fleet including Nissan Leafs and Chevy Volts.

Further, the carshare program at the Department of Watershed Management, which has allowed the department to reduce its carbon footprint by reducing the need for underutilized and/or additional assets. This reduction of assets has also allowed DWM to address other areas such as parking shortages, congestion downtown, local

particulate and greenhouse gas emissions. DWM has been able to identify 40 assets that potentially could be replaced with electric or alternative fuel source options based on their operations. As of now, DWM is projected to save almost \$2 million dollars over the course of five years by implementing program efficiencies.

In addition to the electric vehicle initiatives and programs, an essential aspect of greening Atlanta's fleet is ensuring the consistent and proper maintenance of existing EV chargers. To that end, the city, lead by the Department of Enterprise and Asset Management has implemented a semi-annual EV Preventive Maintenance Checklist to help prevent damage and potential hazards:

Check for any tears in the cable.

- 1) Verify that the cable is fully connected to the EV charger without any exposed wires.
- 2) Ensure that no debris is inside the plug of the charger handle to prevent fire hazards.
- 3) Inspect the connector latch on the plug handle to confirm it's fully intact and not broken off. A broken latch can result in an insecure connection with the car's charge port, posing a potential fire risk.
- 4) Verify that none of the connectors inside the plug handle are damaged or burnt.
- 5) Ensure that the cord is appropriately wrapped around the charger to prevent it from being run over or landing in the mud.
- 6) Familiarize yourself with how to read any fault code indicators or fault lights mounted on the charger, referring to the owner's manual for the specific charger installed at your facility for exact details.

This preventive maintenance checklist is a crucial measure that not only ensures the operational efficiency of the EV charging equipment but also extends the longevity of the city's electric fleet, further contributing to Atlanta's sustainability goals.

9b. Long-Range Planning

Please briefly describe any formal long-range fleet plan or fleet component of a larger plan that your organization has formally adopted.

See the City of Atlanta's adopted Alternative Fuel Conversion Plan and the beginning of its implementation here: [2018+Atlanta+Alternate+Fuel+Vehicle+Conversion+Plan.pdf](https://static1.squarespace.com/static/5f91d62189677674f6d02ab6/t/644941c3f03f42479f488fa1/1682522563708/2018+Atlanta+Alternate+Fuel+Vehicle+Conversion+Plan.pdf) (<https://static1.squarespace.com/static/5f91d62189677674f6d02ab6/t/644941c3f03f42479f488fa1/1682522563708/2018+Atlanta+Alternate+Fuel+Vehicle+Conversion+Plan.pdf>)

DPW OFS is also currently working on a fleet replacement study that will provide a long-term plan for the fleet as a whole and where there are more opportunities to incorporate more electric vehicle options.

9c. Procurement

Does your organization's procurement policy include environmental or sustainability goals? Yes

Please describe those environmental or sustainability goals.

as the busiest passenger airport in the world, Hartsfield-Jackson Atlanta International Airport (DOA) plays a crucial role in the global connectivity. This vital role brings with it the responsibility to mitigate its environmental impact. ATL has made significant strides in reducing its energy demand through various strategies, including applying the U.S. Green Building Council's LEED rating system to all new facilities. Achievements include over fifteen certified projects, the installation of 275 Electric Vehicle Charging Stations, and the conversion of all exterior lighting to 100% LED. In support of the airport's carbon emissions reduction, DOA is committed to the City of Atlanta 2019 Resolution No. 10-R-3783 to transition to 100% Clean and Renewable Energy by 2035, as well as the ACI 2050 Net Zero goal. The Airport will continue to prioritize rapid reductions of our Scope 1 and 2 emissions. To do this, we will employ the strategies outlined in the ATL 2035 Sustainable Management Plan. We aim to optimize the energy efficiency of our existing building stock through deep energy retrofits, proactive maintenance, and the transition to all-electric building systems. Furthermore, DOA will design all new facilities to significantly exceed code requirements, enforcing minimum energy efficiency standards through Energy Use Intensity (EUI) requirements. We will integrate advanced building systems, evaluate the carbon intensity of materials used in constructing and renovating our facilities, and reduce construction-related emissions by raising vehicle and equipment procurement standards. DOA will also capitalize on opportunities to produce renewable energy on-site and procure grid-supplied renewable electricity through partnerships with Georgia Power and its parent company, Southern Company. We are also dedicated to electrifying ATL's fleet and expanding the extensive network of EV charging stations for fleet and public use. To date, DOA has made significant investments to support our airlines, concessionaires, tenants, and surrounding communities in their respective decarbonization journeys. These efforts will continue through further infrastructure development needed to electrify gate area operations, including plane idling, refueling, and servicing. We are committed to supporting a collaborative partnership with Delta and other airlines to make Sustainable Aviation Fuel (SAF) a viable and competitive option in Georgia. We also aim to work with surrounding communities and transit authorities to expand clean mobility programs to and around the airport for our employees and passengers. More information on the ATL Carbon Policy can be found: (https://www.atl.com/wp-content/uploads/2022/05/Signed_ATL_Carbon_Policy-12.8.21.pdf)

FUEL SAVING TECHNOLOGIES

10a. Motorpools

Do you have motorpools? Yes

What have you accomplished with motorpools?

The DPW OFS' motorpool includes several Leafs and the addition of a new Ford Mustang Mach-e. DPW OFS is also working to finalize an agreement with Agile Fleet to streamline the process for assigning vehicles and for key storage and release. The DWM started the DWM Car Share Program in January of 2020. DWM purchased the Agile Fleet Commander software with the ability to assign vehicles and keys remotely using digital key boxes and monitors at two of our biggest office locations. The program started by reassigning 25 underutilized assets and

has since expanded its car share program by purchasing 6 Nissan EV's, 7 Escapes and 8 underutilized assets. In the process DWM has been able to surplus 8 vehicles that were past Life Cycle and in need of very high dollar repairs. DWM has been able to enhance its carshare program to support 200-250 employees and allowed DWM to right-size its fleet without the need of adding additional assets to its fleet. It has also the introduction of electric and/or alte fuel assets. COA and DWM have policies to ensure that all new vehicles purchased must be accompanied by a trade-in of a similar type, reducing the fleet expansion over subsequent years. and ensures that DWM evaluates potential EV replacement options. Also, the airport has a motorpool that are shared by different divisions. For example, the employees who work at the Technical Campus utilize the pool of vehicles for various purposes such as visiting construction sites, traveling to the terminal for meetings and completing inspections on existing assets for planning purposes. Additionally, employees carpool to the airport for transit commuting. The Airport Employee Rideshare (AERO) program promotes carpooling, rideshare and the use of transit. The program focuses on helping employees get to work and encourages employees to not use single occupancy vehicles to commute. The AERO program is in partnership with Commute Connections but is entirely focused on the airport community.

What improvements have your motor pools provided your fleet in terms of efficiencies, cost savings or fleet reduction?

The carshare program at the Department of Watershed Management (DWM) has enabled the department to reduce its carbon footprint by minimizing the need for underutilized and/or additional assets. This decrease in assets has also facilitated the department's efforts to address various issues, including parking shortages, downtown congestion, and greenhouse gas emissions. The DWM has identified forty assets that could potentially be replaced with electric or alternative fuel source options based on their operations. Currently, the DWM anticipates saving almost \$2 million over the course of five years by implementing program efficiencies.

Moreover, the airport maintains a motor pool that is shared by different divisions. For instance, employees working at the Technical Campus use this pool of vehicles for various purposes such as visiting construction sites, traveling to the terminal for meetings, and conducting inspections on existing assets for planning purposes. Employees also carpool to the airport for transit commuting. The Airport Employee Rideshare (AERO) program, which promotes carpooling, rideshare, and the use of transit, focuses on assisting employees with their commute. This program encourages employees to avoid using single-occupancy vehicles for commuting. While the AERO program is in partnership with Commute Connections, it is entirely focused on the airport community.

10b. Technologies

What technologies has your organization implemented which have saved on fuel or emissions? Please provide metrics and savings if you have that information.

Using Samsara telematics, Atlanta Watershed Management (DWM) and the Office of Fleet Services (OFS) collect location and usage information from fleet vehicle trips. This data is used to educate individual employees on a monthly basis about reducing idling, implementing more efficient fuel use techniques, choosing greener routes, and so on. We also educate drivers about maintaining safe air pressure to maximize fuel and vehicle efficiency as much as possible.

DWM uses Samsara Fleet's dashboard to identify habitual idling abusers. These individuals are highlighted in a biweekly report sent to their supervisors and managers. Employees who demonstrate the most positive change in their cost center each quarter are recognized and rewarded with a certificate and a \$25.00 gift card. For electric vehicle charging, DWM employs options from ChargePoint, Leviton, and Envision. At our Downtown facility, the Envision ARC Solar charges up to three electric vehicles simultaneously using solar power. Our 14th St location utilizes six level-two ChargePoint chargers, while our Hemphill location has one Leviton level-two charger. DWM also promotes car sharing to all teams as a 24/7 solution. AgileFleet software, key boxes, and kiosks allow users to access newer vehicles for their daily transportation needs to meetings and classes in the City of Atlanta.

The DPW Office of Fleet Services has installed a new Fleet Command Center at City Hall with two full-time operators. These operators provide timely responses to units (using Samsara Telematics) that have broken down throughout the city, especially vehicles stranded on any of the three major interstates (I-75, I-20, & I-285). This command center monitors Atlanta's garbage hauling and recycling trucks. The Fleet is partnering with the Georgia DOT HERO Department to access all 320 cameras along the five interstates within a 30-mile radius of Atlanta and to share information with GA DOT about breakdowns that may contribute to traffic congestion.

This year, the City of Atlanta entered into a three-year smart city partnership with Rubicon Technologies. Rubicon's smart city product now powers the entire fleet of the City of Atlanta's solid waste, recycling, and street-sweeping vehicles, comprising 150 units. This digital overhaul drives greater efficiency. Rubicon's smart city software is aiding the Department in transforming its operations into a fully digital function, with an emphasis on route optimization, more efficient fuel usage, digital route sheets, digital workflows, tracking exceptions in the field, and improvements in routing for the City's bulky waste pickup drivers and street sweeping. The City will use Rubicon's technology to balance its waste and recycling routes, streamline collection, create driver accountability, track material and tonnage on its bulky trash routes, and reduce missed pickups and unnecessary go-backs. The Department of Public Works will be able to monitor route performance closely, identify areas for improvement in waste, recycling, and street sweeping services, and make data-driven decisions to enhance route efficiency, improve community health, progress the City's climate goals through lower emissions, and better serve the Atlanta community. You can read more in this press release: <https://www.rubicon.com/news/rubicon-and-city-of-atlanta-enter-smart-city-partnership-to-deliver-efficiency-in-public-works-operations/>

The Department of Aviation (DOA) also maintains 305 public-facing charging stations to support employee and passenger electric vehicle charging needs. This infrastructure contributes to fuel savings, emission reductions, and strengthens the system as more vehicles become electrified.

EXECUTIVE & EMPLOYEE INVOLVEMENT

11a. Executive Involvement

Do you have an internal champion that has assisted in increasing your fleet's sustainability profile and practices? Please describe.

The Office of Sustainability is spearheading coordination among all departments for fleet efficiency, electrification, fueling infrastructure, grants, etc. This effort led to the establishment of the City of Atlanta's Electric Vehicle Working Group and a Microsoft Team that meets bi-weekly to discuss fleet electrification, EV infrastructure, telematics use, and data use for policy-making, programs, and reports for NAFA and GHG inventories, among other things. In a significant show of support, Mayor Dickens adopted the first Mayoral Executive Protection SUV electric vehicle, a Rivian R1S. This move champions electric vehicles at the executive level, illustrating their crucial role in our fleet and in advancing our sustainability and economic development goals.

11b. Employee Involvement

Do you have an established green-fleet suggestion program with rewards for employees who contribute ideas that have a positive and measurable effect on the fleet program? Does this program include the recognition of employees who have significantly reduced the fuel consumption of government owned equipment? Do you conduct regular meetings with your staff to discuss current and future objectives of greening your fleet?

Indeed, at DWM's weekly meetings, we address the problem of excessive fuel consumption due to unnecessary vehicle idling. Employees are encouraged to report idling vehicles to supervisors and managers. We use the Samsara Fleet dashboard to identify habitual idling offenders, who are then reported bi-weekly to their supervisors. Employees demonstrating notable improvement each quarter receive recognition and a \$25 gift card. DWM employees are also encouraged to participate in Agile Fleet Commander webinars and training sessions on telematics use for Fleetworks, Samsara, EV infrastructure companies like Chargepoint, and various electric vehicle manufacturers. Recently, five city employees joined the American Public Works Association (APWA) to gain knowledge about new equipment and green fleet processes.

The DOA hosted an educational session with Chargepoint and other EV charging companies to help staff and leadership understand networked stations, data usage, and use cases, as the DOA expands its EV infrastructure for fleet and public use. Since 2020, the City of Atlanta has been part of the Southeast Sustainability Directors Network (SSDN). The city's Chief Sustainability Officer, Deputy Chief, and designated staff participate monthly in a workgroup that shares best practices for promoting EV adoption, educational/behavioral programs, green fleet procurement, etc.

12a. Employee Education

Do you have an active training program for fleet technicians that focuses on the maintenance of new green fleet vehicles and equipment? What efforts are made to foster employee education?

DPW OFS started an Apprenticeship Program with Atlanta Technical College to have up to three students working four (4) hours per day in "Hands-On" repair with Fleet Technicians and the other four hours in classroom instruction at the College. Also reorganized the Fire/Rescue shop and invited Fire Department personnel to assist in decisions over maintenance and repairs, brought in new Vendors (Ten-8, Peach State, and NAFECO) to assist with repairs, started a new training program with both ASE & EVT Certifications, and installing a new Parts Room to stock specialty Fire Apparatus Parts.

In addition, in 2023, through the City of Atlanta's Public Private Partnership with Hertz, "Hertz Electrifies Atlanta," the City and Hertz partnered with Atlanta College and Career Academy (ACCA) to provide EV training materials, including a donated electric vehicle, that the school will incorporate into its automotive curriculum. Additionally, Hertz is making summer job opportunities available through the Atlanta Summer Youth Employment Program to support Atlanta's future fleet electrification workforce. See more at: <https://newsroom.hertz.com/news-releases/news-release-details/hertz-and-mayor-dickens-launch-hertz-electrifies-atlanta>

12b. Driver Education

Do you have an established driver training program that instructs and promotes green driving techniques?

WM and DPW Office of Fleet Services use Samsara telematics to gather location and usage information for pre- and post-fleet vehicle trips. This data is used monthly to educate employees about idling, efficient fuel use techniques, greener routes, etc. We also guide drivers to maintain safe air pressure levels to promote vehicle efficiency and fuel economy.

Using Rubicon's Smart City software, the Department of Public Works can monitor route performance, identify areas for improvement in waste, recycling, and street sweeping services, and make data-driven decisions to enhance route efficiency, encourage green driving techniques, and better serve Atlanta communities. The software aids the city's fleet in improving neighborhood streetscapes by monitoring vehicle health, improving driver behavior, and ensuring efficient collection of materials. The results include fewer vehicle accidents, less road wear, safer communities, and enhanced fleet and community sustainability. More info is available here: <https://www.rubicon.com/news/rubicon-and-city-of-atlanta-enter-smart-city-partnership-to-deliver-efficiency-in-public-works-operations/>

Adopted in April 2013, the city's anti-idling policy applies to the Mayor and city employees in departments under the Mayor's direction. The policy restricts idling to no more than three minutes, or one minute near a school. The Department of Human Resources, in conjunction with the Office of Fleet Services, incorporates anti-idling education into the City of Atlanta's New Hire Orientation trainings. All authorized city employees are required to operate vehicles and equipment in accordance with this policy. More info can be found here: <https://ourgreencities.typepad.com/files/atlanta-sustainable-policy-packet.pdf>

SUPPORTING PROGRAMS

13. Use of Technology

What are some unique or innovative technologies you have placed into the fleet in the last year, or increased use of this last year?

This year, the City of Atlanta entered into a three-year smart city partnership with Rubicon Technologies. Rubicon's smart city product now powers Atlanta's entire solid waste, recycling, and street-sweeping fleet of 150 vehicles, digitalizing operations for increased efficiency. Rubicon's software will help the Department transform its operations into a fully digital function, focusing on route optimization for more efficient routes and fuel use, digital route sheets, digital workflows, tracking exceptions in the field, improved routing for the City's bulky waste pickup drivers, and street sweeping. Utilizing Rubicon's technology, the City will balance waste and recycling routes to streamline collection, promote driver accountability, track material and tonnage on its bulky trash routes, and reduce missed pickups and unnecessary go-backs. The Department of Public Works will monitor route performance closely, identify areas for improving waste, recycling, and street sweeping services, and make data-driven decisions to enhance route efficiency. This collaboration will improve community health, advance the City's climate goals through reduced emissions, and better serve the Atlanta community. Press Release: <https://www.rubicon.com/news/rubicon-and-city-of-atlanta-enter-smart-city-partnership-to-deliver-efficiency-in-public-works-operations/>

14. Recycling Programs

Do you have a recycling program? Please explain your program and its accomplishments.

The Department of Aviation recycles vehicle batteries, tires, scrap metal and parts that come off the vehicles and the fluids including oil, hydraulics, and transmission fluids.

The City of Atlanta, Department of Public Works launched the free Atlanta Waste Wizard App, which gives employees, residents, and businesses the tools to look up any material including car batteries, motor oil, license plates and many other materials the correct place and instructions to recycle these materials. More info at: <https://www.atlantaga.gov/government/departments/public-works/recycling-program#>

A multi-year, \$4 million-plus project with The Recycling Partnership, funded by The Coca-Cola Foundation, supported action to unlock environmental and economic benefits, expanding recycling access for residents, reducing the presence of non-recyclable items in the recycling stream, and improving the overall recycling system. The project focused on three key opportunities to improve recycling across the city. A key strategy to this work was decreasing the number of bagged recyclables. Items should be loose in a recycling cart as plastic bags can get tangled in recycling processing equipment and cause real problems. By the numbers, bagged recyclables made up 23% of the recycling stream in 2017 and 10% in 2019; today, only 5% of the stream contains bagged recyclables – this represents a nearly 80% decline. The goal of the multi-year project was to increase recycling participation by 20% and decrease recycling contamination by 25%. As the project concludes, the contamination rate for single-family households has exceeded the goal, dropping by 31%. Additionally, there was a 20% increase in recycling participation, which correlates with an increase in quality recyclable material. More info at: <https://recyclingpartnership.org/recycling-atlanta-curbside/>

15. Facility Improvements

List any programs or improvements you recently made to your maintenance facilities that increases energy efficiency.

Through the Solar Atlanta program, which focuses on installing onsite municipal solar systems on city-owned and operated buildings, the City has added a 42 DC, 33 AC kW system to the auto services building at 815 Old Flat Shoals Road. Since its installation, it has produced over 6000 kWh of clean energy. Additionally, the Solar Atlanta program has installed solar systems on 22 other fire stations, parks, recreation centers, the public safety headquarters, water management plants, and more. These installations were made possible through the innovative Solar Energy Procurement Agreement (SEPA) contract with Cherry Street Energy. Since the program started in February 2019, the systems have collectively generated over 200,000 kWh, making this the largest municipal solar program in Georgia. The next phase of Solar Atlanta is planned to include more parks, recreation centers, City administrative buildings, and Department of Aviation Facilities.

The Department of Watershed Management (DWM) Fleet doesn't maintain its own maintenance facilities. However, DWM has added a BEAM EV ARC (Electric Vehicle Autonomous Renewable Charger) to DWM's Downtown headquarters at 72 Marietta St. It uses off-grid solar power and battery storage to charge DWM's three Nissan Leafs and two Chevrolet Volts stationed at the facility. It has three charging ports and can also be used by employees with electric or hybrid vehicles. DWM also installed six Level II Chargepoint charging stations at our 14th St. location and one Leviton Level II charger at our Hemphill location. We are in the process of upgrading our Hemphill location to accommodate two-car charging.

On May 24, 2022, Atlanta voters approved three ballot measures that will significantly invest in the city's infrastructure and economy. The measures — two bonds and the renewal of a special sales tax — will allocate \$750M toward vital transportation, recreation, public safety, and arts projects across the city. Of this funding, \$7 million is allocated to maintenance facilities under the Department of Parks and Recreation, helping to make the building more energy efficient and carry out mission-critical renovations to sustain operations. You can find the project list here: <https://www.atlantaga.gov/home/showpublisheddocument/54972/637854601538600000>.

16. Funding Opportunities

Is there an ongoing process in place to research new Federal & State grant opportunities for green fleet initiatives? Is a member of the staff or local government trained in grant writing?

The City is actively pursuing multiple opportunities to support the greening and electrification of its fleet. Recently, Atlanta applied for a \$31 million US DOT's CFI Grant to establish the city's first 50 DC Fast Charging Hub at the Atlanta Airport. The grant would also fund an additional 102 DC fast chargers and 12 level 2 chargers across Atlanta's parks, golf courses, recreation centers, and nature preserves. These fast chargers would be publicly and fleet accessible, providing equitable EV charging in areas of Atlanta currently without DC fast chargers. More info can be found here: <https://www.ajc.com/news/atlanta-seeks-ev-charger-stations-grant/LASOV4A5JVHKFEWJDZDF3PTAFA/>

The City is also set to receive over \$528,000 in Department of Energy EECBG funds to support energy efficiency retrofits and data, along with building management standardization. This will help drive decisions and opportunities for further clean energy, energy efficiency, and clean transportation infrastructure investments. More information can be found here: <https://www.energy.gov/scep/eecbg-program-formula-grant-application-hub>

The Deputy Chief Sustainability Officer, the Mayor's Office of Resilience, and our Departmental Partners including the Atlanta Department of Transportation, DPW OFS, DWM, and DOA all have experience in grant writing.

17. Challenges

What do you think impedes your fleet from being greener?

Uniformly, our departmental partners have said that costs, namely upfront costs are the largest challenges.

18. Did we miss anything?

We strive to provide you with the best information available. However, we are not perfect and seek your insight on how we can improve this program. Please share your thoughts about the Green Fleets Awards.

Would love to know what areas the City should improve in vs. its peers in order to move up in the rankings. Is there a point system associated with the application? If so, can this be more transparent? Lastly, it would be helpful to provide a blank word template (instead of the blank PDF) to allow for real time co-working off the application, its current form is a real time suck and a burden to transfer all answers to the online/pdf form.

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If you know which Clean Cities Coalition covers your area, list it below.
Clean Cities Georgia

We try to highlight great ideas and innovations around the fleet industry, but realize there is sometimes confidential information in the application. May we share your application with others?
Yes

Log in to awards.nafa.org to see complete entry attachments.



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