U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

2024 Transportation Technology Deployment Report:

Middle-West Tennessee Clean Fuels

Expanded Edition

March 2025

Clean Cities and Communities

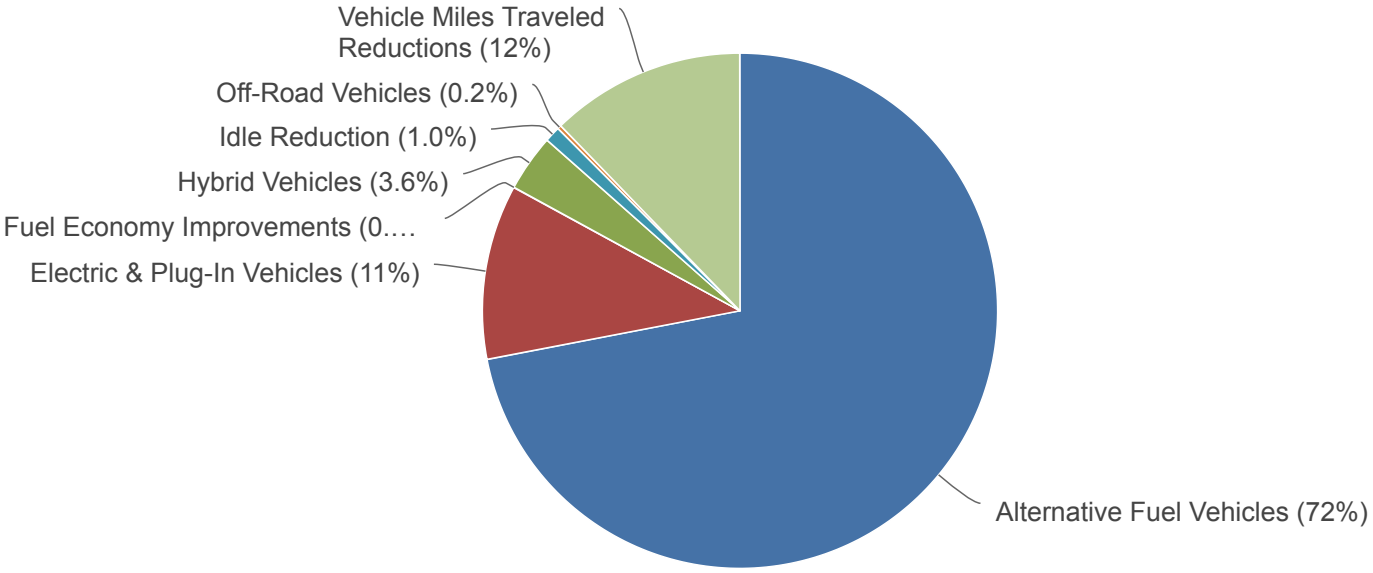
The U.S. Department of Energy's (DOE) Clean Cities and Communities fosters the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. A national network of more than 75 active coalitions serve as the foundation of Clean Cities and Communities by working in communities across the country to implement alternative fuels, fuel-saving technologies and practices, and new mobility choices.

Every year, each Clean Cities and Communities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition directors, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory (NREL). The data characterize membership, funding, projects, and activities of the coalitions. The coalition directors also submit data on the sales of alternative fuels, deployment of alternative fuel vehicles, idle-reduction initiatives, fuel economy activities, and efforts to reduce vehicle miles traveled. NREL and DOE analyze the data and translate them into energy use impact, greenhouse gas reduction, and other metrics to show progress supporting the Clean Cities and Communities mission for individual coalitions and the network as a whole. This report summarizes those impacts for Middle-West Tennessee Clean Fuels.

To view aggregated data for all local coalitions in the network, visit cleancities.energy.gov/accomplishments.

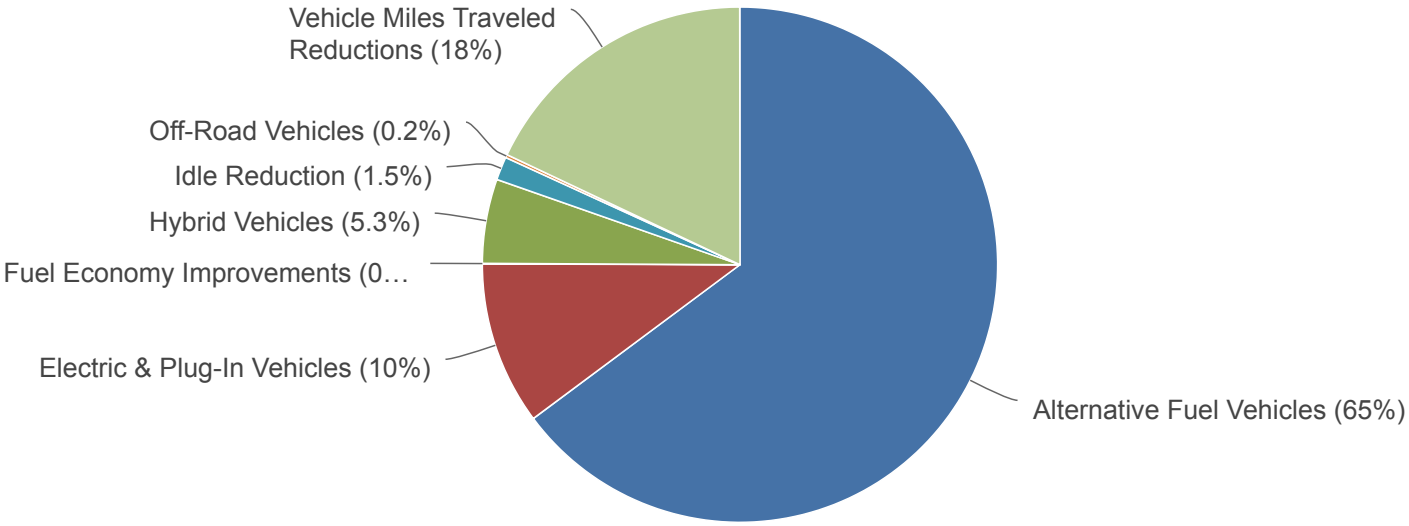
2024 Gallons of Gasoline Equivalent Reduced

11,059,767 gallons

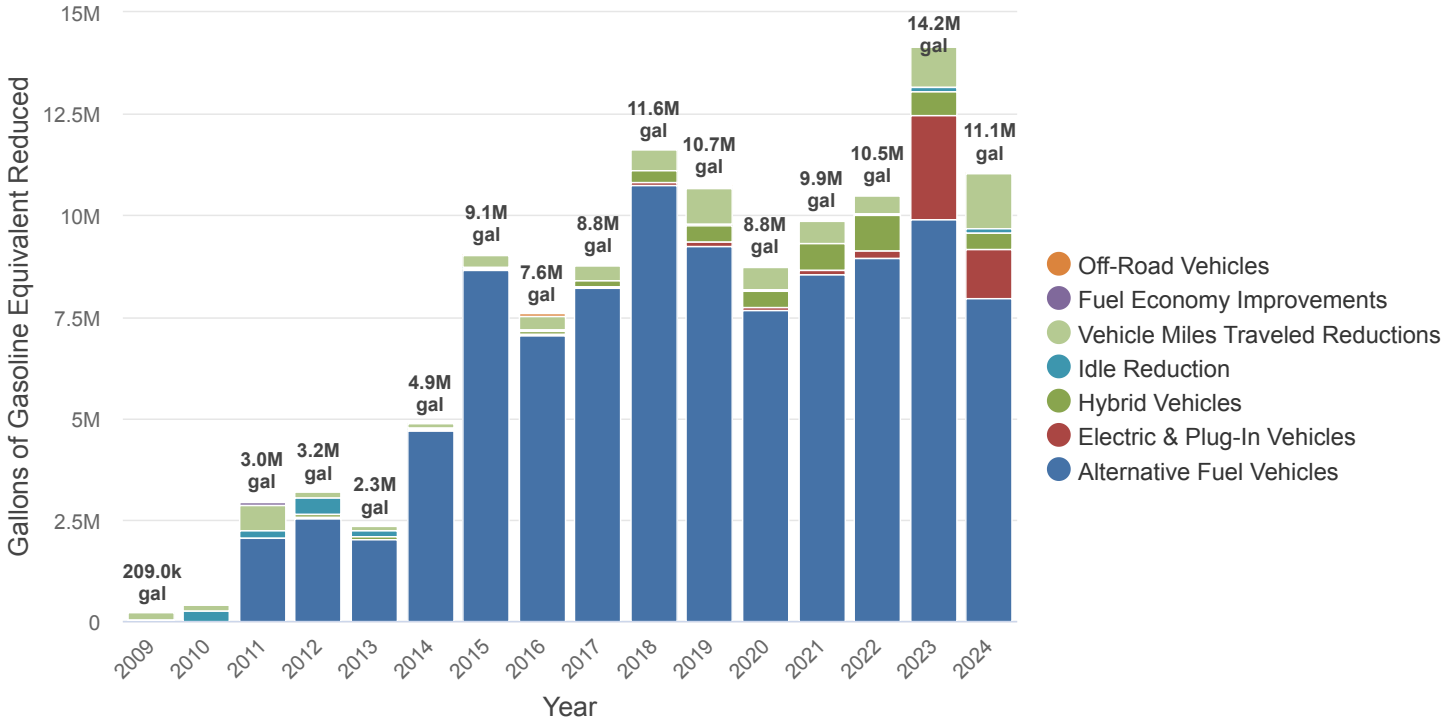


2024 Greenhouse Gas Emissions Reduced

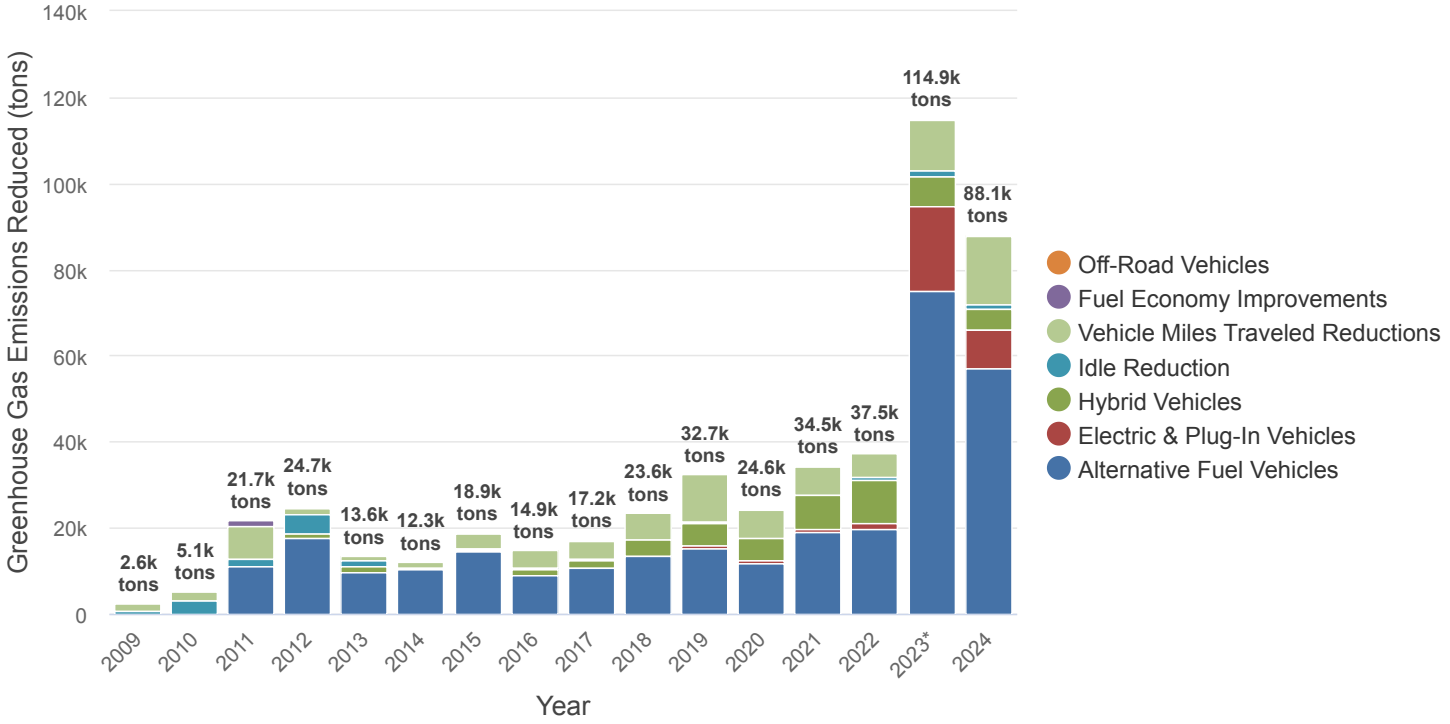
88,083 tons



Historical Gallons of Gasoline Equivalent Reduced



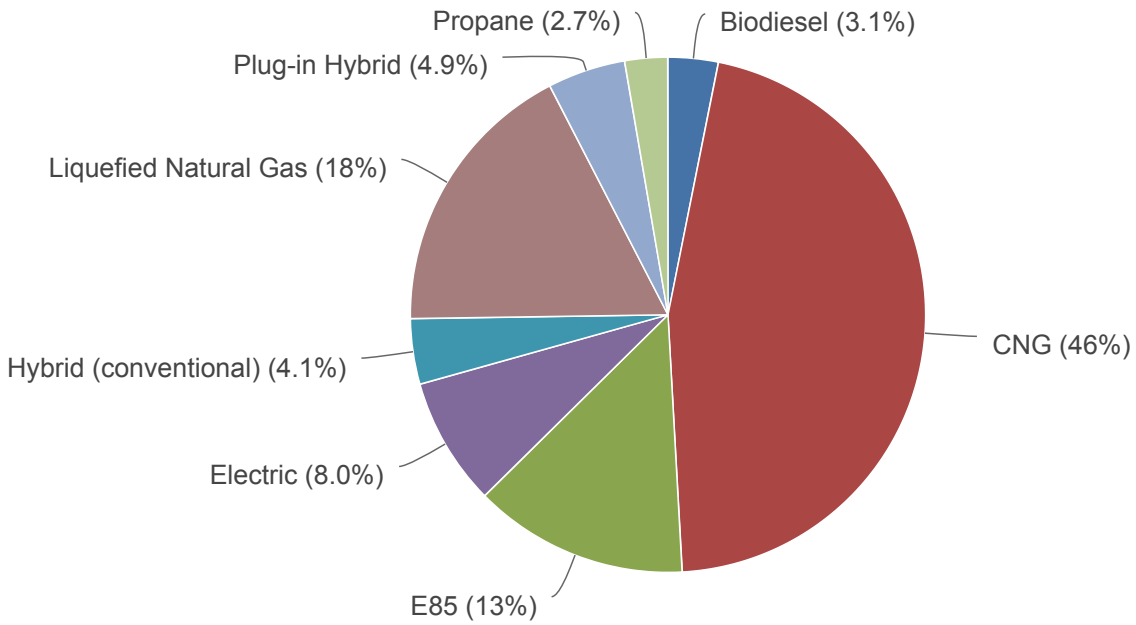
Historical Greenhouse Gas Emissions Reduced



* GHGs displaced from CNG and LNG projects increased in 2023 because Clean Cities and Communities began accounting for the RNG sold into the vehicle fuel market through trading mechanisms set up through the Renewable Fuel Standard and the California Low Carbon Fuel Standard. Please see the Clean Cities and Communities Coalitions 2023 Annual Activity Report for details as to how and why this was allocated.

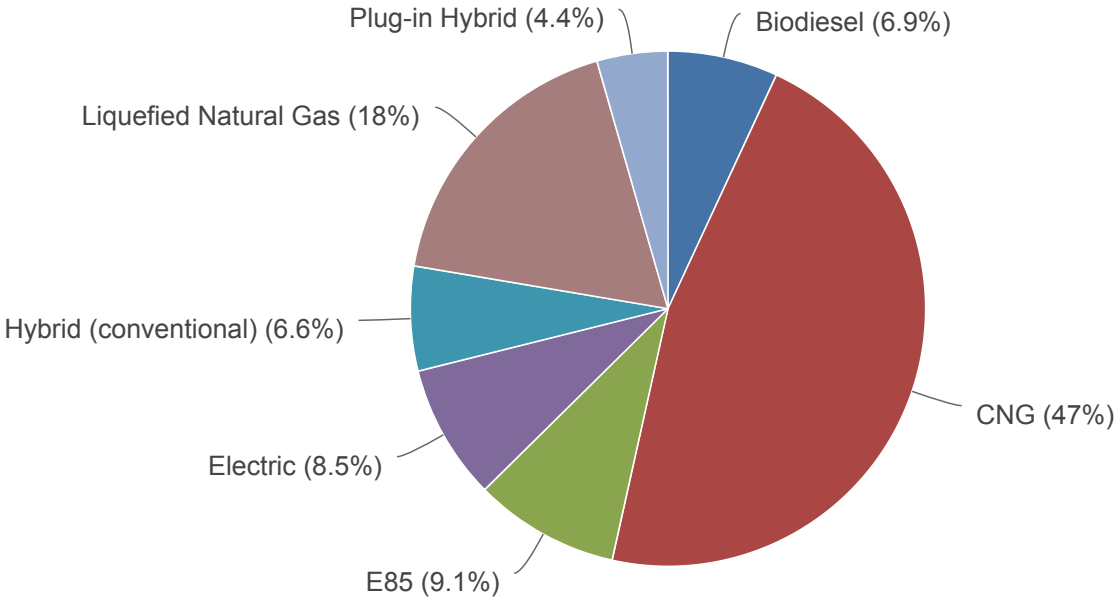
2024 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

9,594,460 gallons



2024 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

70,942 tons



Criteria Pollutant Emissions Reduced

Criteria pollutants are chemicals that have been linked to human health effects and therefore regulated in the Clean Air Act of 1970. Criteria pollutants include nitrogen oxides (NOx) and volatile organic compounds (VOC), both precursors to ozone pollution or smog. They also include particulate matter (PM) grouped into 10 and 2.5 micron sizes. The Clean Cities and Communities annual report calculates them using the same assumptions and default values as AFLEET 2016, with some adjustments to fit specific data inputs. They are quantified at vehicle tailpipes, as those are the emissions contributing to the regulated "ambient" air quality of a given city. Upstream emissions from electric power plants, refineries, and biofuel feedstock farms are not included in this summary since those operations typically do not take place in or near population centers where the vehicles are operated and health effects can be documented. When a specific pollutant surpasses a given threshold for a given area, the area is considered to be in “nonattainment” for that pollutant. Nonattainment areas for given pollutants can be viewed at www.epa.gov/green-book. To learn more about what your emissions numbers mean, please take the Understanding Emissions or Emissions Compliance courses at Clean Cities and Communities eLearning.

Reductions by Technology	CO	NOx	VOC*	PM10	PM2.5
Alternative Fuel Vehicles - Biodiesel	-75,228 lb	-1,438 lb	7,570 lb	64 lb	60 lb
Alternative Fuel Vehicles - CNG	219,820 lb	4,698 lb	30,560 lb	421 lb	-17 lb
Alternative Fuel Vehicles - E85	-145 lb	-4 lb	1,792 lb	-2 lb	0 lb
Alternative Fuel Vehicles - LNG	133,726 lb	2,979 lb	10,403 lb	405 lb	28 lb
Alternative Fuel Vehicles - Propane	14,534 lb	278 lb	1,442 lb	-12 lb	-12 lb
Electric, Hybrid & Plug-in Vehicles - Electric	130,333 lb	3,829 lb	9,458 lb	917 lb	167 lb
Electric, Hybrid & Plug-in Vehicles - HEV	89,043 lb	2,490 lb	4,340 lb	891 lb	181 lb
Electric, Hybrid & Plug-in Vehicles - PHEV	74,012 lb	2,224 lb	6,207 lb	435 lb	73 lb
Fuel Economy Improvements	503 lb	14 lb	22 lb	5 lb	1 lb
Idle Reduction	25,030 lb	697 lb	1,177 lb	247 lb	50 lb
Off-Road Vehicles	6,500 lb	179 lb	273 lb	32 lb	5 lb
Vehicle Miles Traveled Reductions	214,137 lb	6,436 lb	17,958 lb	2,695 lb	579 lb
Total:	**832,264 lb**	**22,383 lb**	**91,201 lb**	**6,100 lb**	**1,116 lb**

* VOC is interchangeable with NMOG (non-methane organic gases) and NMHC (non-methane hydrocarbons) for all purposes relevant to the Clean Cities and Communities suite of technologies.

COALITION

Middle-West Tennessee Clean Fuels - TN

http://www.tncleanfuels.org

Designated: 10/13/2004
Boundaries: Counties: Bedford, Benton, Carroll, Cheatham, Chester, Crockett, Davidson, Decatur, Dickson, Dyer, Fayette, Gibson, Giles, Hardeman, Hardin, Haywood, Henderson, Henry, Hickman, Houston, Humphreys, Lake, Lauderdale, Lawrence, Lewis, Lincoln, Macon, Madison, Marshall, Maury, McNairy, Montgomery, Moore, Obion, Perry, Robertson, Rutherford, Shelby, Smith, Stewart, Sumner, Tipton, Trousdale, Wayne, Weakley, Williamson, Wilson

DIRECTORS

	Address	Telephone	Fax
Alexa Voytek	Tennessee Department of Environment and Conservation William R. Snodgrass TN Tower, 2nd Floor, 312 Rosa L. Parks Ave. Nashville, TN 37243	615-613-1096	

Number of coalition directors	2
Coalition director(s) hours per week on Clean Cities	16 hours
Other staff hours per week on Clean Cities	24 hours
How long have you been the coalition director?	10 years

OPERATING INFORMATION

Coalition organizational structure	Hybrid (nonprofit and close relationship with a host organization)
Host organization type	Hosted in state government agency
Does the coalition have a non-profit governing board?	Yes
Does the coalition have a non-governing advisory committee?	No

Stakeholders

Number of stakeholders	1,200
Number of private stakeholders	600

Stakeholder counting notes	We used our email list as a baseline for counting our stakeholders. We have over 1,000 people we reach between direct local members and those who received FuelsFix newsletters, Middle-West Tennessee Clean Fuels newsletters, and DriveElectric TN newsletters. After that we have many fleets and industry/other contacts that we work with that are not on one of our email lists. The total number as well as private sector stakeholders number are our best estimates based on our known stakeholders and communication channels.
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes

Explain State Energy Office's support

The director, staff, and Clean Cities University Workforce Development Program intern all work out of the State Energy Office (SEO). The SEO provides administrative support in the form of office space, computer and phone access, printing services, etc. Additionally, the SEO cross-promotes many Middle-West Tennessee Clean Fuels events and initiatives via its external communications.

How do you obtain most of your data for the survey?	Coalition records, Estimates, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	No

2024 Outside Funding

Stakeholder dues collected	-
How much funding is obtained from other sources to cover coalition operating expenses?	-
Non-DOE grant and matching funds spent in 2024	$1,053
Total non-DOE funding in 2024	**$1,053**

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Fleet B	Heavy-Duty	Propane	4	8,435 gal	5,322 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district operating propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet C	Heavy-Duty	CNG	1	784 GGE	367 gal	2.7 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating a heavy-duty CNG truck.*						
Fleet C	Light-Duty	CNG	1	784 GGE	410 gal	3.1 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating a light-duty CNG truck.*						
Fleet CCC	Heavy-Duty	CNG	26	658,487 GGE	419,785 gal	3,043.6 tons
Market: Utility **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a private CNG refuse fleet that operates at multiple locations.*						
Fleet D	Heavy-Duty	CNG	3	1,540 GGE	1,047 gal	7.6 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local government operating CNG heavy-duty vehicles.*						
Fleet D	Light-Duty	CNG	2	756 GGE	575 gal	4.4 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local government operating CNG light-duty vehicles.*						
Fleet E	Light-Duty	Biodiesel (20%)	4,457	1,470,815 gal	300,913 gal	4,898.6 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local government fleet operating light-duty biodiesel vehicles.*						
Fleet F	Light-Duty	CNG	3	1,547 GGE	1,176 gal	8.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local government fleet operating light-duty CNG vehicles.*						
Fleet FF	Heavy-Duty	CNG	113	1,021,645 GGE	651,299 gal	4,722.2 tons
Market: Utility **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a private CNG refuse fleet that operates at multiple locations.*						
Fleet G	Heavy-Duty	Propane	86	288,393 gal	181,969 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet GG	Heavy-Duty	CNG	41	423,138 GGE	269,750 gal	1,955.8 tons
Market: Utility **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a private CNG refuse fleet that operates at multiple locations.*						
Fleet HH	Heavy-Duty	CNG	33	341,936 GGE	217,984 gal	1,580.5 tons
Market: Utility **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a private CNG refuse fleet that operates at multiple locations.*						
Fleet I	Heavy-Duty	Biodiesel (20%)	1	96 gal	20 gal	0.2 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local transit fleet that operates B20 buses.*						
Fleet JJ	Heavy-Duty	Propane	14	32,219 gal	20,329 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Fleet M	Heavy-Duty	CNG	28	15,957 GGE	10,173 gal	73.8 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating CNG heavy-duty vehicles.*						
Fleet MM	Heavy-Duty	Propane	7	14,962 gal	9,441 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet N	Heavy-Duty	Propane	12	29,671 gal	18,722 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet O	Light-Duty	CNG	10	6,303 GGE	4,491 gal	34.0 tons
Market: Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility that operates light-duty CNG vehicles.*						
Fleet P	Heavy-Duty	CNG	76	1,279 GGE	815 gal	6.6 tons
Renewable natural gas source: Landfill gas **Renewable natural gas location:** On-site **Market:** Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating CNG heavy-duty vehicles. They own and operate their own public fueling stations, which dispense RNG sourced from a local landfill.*						
Fleet P	Light-Duty	CNG	27	1,279 GGE	911 gal	7.6 tons
Renewable natural gas source: Landfill gas **Renewable natural gas location:** On-site **Market:** Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating CNG light-duty vehicles. They own and operate their own public fueling stations, which dispense RNG sourced from a local landfill.*						
Fleet Q	Heavy-Duty	Propane	2	1,540 gal	972 gal	N/A

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet RR	Heavy-Duty	Propane	3	100% of time	4,453 gal	N/A
Miles traveled per vehicle: 14,084 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district operating propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet S	Heavy-Duty	CNG	22	342,719 GGE	233,049 gal	1,689.7 tons
Market: Airport **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a fleet operating CNG shuttle buses for the local airport.*						
Fleet T	Light-Duty	E85 (blender pump)	136	9,207 gal	3,805 gal	19.1 tons
Market: Utility **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating light-duty flex fuel vehicles. On average, their vehicles are rarely refueled with E85. This explains the low utilization of the fuel compared to the number of flex fuel vehicles in the fleet.*						
Fleet U	Light-Duty	E85	1,916	811,361 gal	447,123 gal	2,240.3 tons
Market: Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local government light-duty flex fuel vehicles.*						
Fleet W	Heavy-Duty	Propane	8	24,737 gal	15,608 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates propane school buses.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Fleet X	Heavy-Duty	CNG	55	87,246 GGE	55,619 gal	403.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility with multiple sites operating light- and heavy-duty CNG vehicles. They are also a public fueling provider and consume/dispense 100% RNG.*						
Fleet X	Light-Duty	CNG	122	87,246 GGE	62,163 gal	471.2 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a utility with multiple sites operating heavy-duty CNG vehicles. They are also a public fueling provider and consume/dispense 100% RNG.*						
Fleet Y	Light-Duty	CNG	1	2,450 GGE	1,862 gal	14.1 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Fleet ZZ	Heavy-Duty	Propane	1	4,313 gal	2,177 gal	N/A
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a third-party school bus transportation provider operating with propane.* * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Station A	Heavy-Duty	CNG	310	550,000 GGE	448,800 gal	3,528.6 tons
Market: General/Unknown **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a public CNG fueling station.*						
Station D	Light-Duty	CNG	32	17,652 GGE	2,515 gal	19.1 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 15% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local fueling station selling CNG to the public. This used to be municipally owned and was closed for multiple years before re-opening under private ownership in mid-2024. Due to only half a year of utilization and not being able to confirm actual numbers for 2024 we are claiming a very low percentage contribution for this year.*						
Station E	Light-Duty	CNG	35	30,727 GGE	21,893 gal	166.0 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a public CNG station.*						
Station F	Light-Duty	E85 (blender pump)	1,012	131,041 gal	57,771 gal	289.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: General/Unknown **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a fueling station dispensing E85 for public use.*						
Station G	Light-Duty	CNG	560	282,846 GGE	201,528 gal	1,673.3 tons
Renewable natural gas source: Landfill gas **Renewable natural gas location:** Off-site **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a pair of local fueling stations selling CNG to the public, owned by the same company. They operate their own CNG vehicles, whose fuel consumption is reported in separate fleet activities. The fuel dispensed at these stations is 100% RNG, sourced from a local landfill.*						
Station I	Light-Duty	CNG	1,132	571,761 GGE	543,173 gal	4,510.1 tons
Renewable natural gas source: Landfill gas **Renewable natural gas location:** Off-site **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is several local fueling stations selling CNG to the public, owned by the same company. They operate their own CNG vehicles, whose fuel consumption is reported in separate fleet activities. The fuel dispensed at these stations is 100% RNG.*						
Station J	Light-Duty	CNG	33	18,230 GGE	6,927 gal	52.5 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local fueling station dispensing CNG.*						
Station K	Light-Duty	E85 (blender pump)	4,242	1,095,000 gal	482,744 gal	2,418.8 tons
Market: General/Unknown **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a series of fueling stations owned by the same company, each station dispensing E85 for public use.*						
Station L	Light-Duty	E85 (blender pump)	6,174	886,702 gal	293,185 gal	1,469.0 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 60% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a series of fueling stations owned by the same company, each station dispensing E85 for public use.*						
Station N	Light-Duty	Biodiesel (20%)	11	3,717 gal	760 gal	12.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a fueling station dispensing B20 for public use.*						
Station N	Light-Duty	E85 (blender pump)	99	20,350 gal	8,972 gal	45.0 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a series of fueling stations owned by the same company, each station dispensing E85 for public use.*						
Station O	Light-Duty	CNG	17	8,613 GGE	6,546 gal	49.6 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local CNG fueling station.*						
UPS - Heavy-duty CNG	Heavy-Duty	CNG	78	198,698 GGE	168,893 gal	1,224.5 tons
Market: Corporate Fleet **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No *This includes class 4-6 package delivery trucks and class 7-8 tractors as in prior years.*						
UPS - Heavy-duty LNG	Heavy-Duty	LNG	236	2,825,869 gal	1,693,806 gal	12,712.7 tons
Market: Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No						
Waste Management - Heavy-duty CNG	Heavy-Duty	CNG	135	1,271,037 GGE	1,080,381 gal	7,833.2 tons
Market: Corporate Fleet **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No *Reloading 2021 WM after not reporting. Loading with 33.33% reduction in total fuel and vehicles and subtracting totals reported directly by coalitions.*						
Total:			**21,317**		**7,960,224 gal**	**57,090 tons**

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fleet AA	Light-Duty	Electric	6	2,112 gal	16.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Electricity used: 15,783 kWh **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a state fleet operating electric vehicles in multiple locations. Only the vehicles operating in the MWTCF service territory are represented here.*					
Fleet AAA	Heavy-Duty	Electric	4	4,363 gal	28.2 tons
Electricity used: 44,301 kWh **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a school district operating electric school buses.*					
Fleet BB	Light-Duty	Electric	34	7,771 gal	60.1 tons
Electricity used: 58,069 kWh **Market:** Government - Federal **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a federal government fleet operating PHEVs and BEVs.*					
Fleet BBB	Heavy-Duty	Electric	6	3,462 gal	25.7 tons
Average electric fuel economy: 120 kWh/100mi **Miles traveled per vehicle per year:** 5,000 mi **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a private fleet operating electric shuttles.*					
Fleet DDD	Light-Duty	PHEV	1	49 gal	0.6 tons
Average electric fuel economy: 31 kWh/100mi **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 4,000 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating a PHEV.*					
Fleet EEE	Light-Duty	PHEV	1	51 gal	0.6 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average electric fuel economy: 31 kWh/100mi **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 4,200 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating a PHEV.*					
Fleet FFF	Light-Duty	Electric	1	58 gal	0.5 tons
Average electric fuel economy: 29 kWh/100mi **Miles traveled per vehicle per year:** 2,580 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating an electric vehicle.*					
Fleet GGG	Light-Duty	Electric	2	258 gal	1.5 tons
Average electric fuel economy: 48 kWh/100mi **Miles traveled per vehicle per year:** 5,250 mi **Market:** Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating electric vehicles.*					
Fleet H	Light-Duty	Electric	1	181 gal	1.3 tons
Average electric fuel economy: 34 kWh/100mi **Miles traveled per vehicle per year:** 8,020 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating a light-duty electric vehicle.*					
Fleet HHH	Light-Duty	Electric	1	185 gal	1.3 tons
Average electric fuel economy: 49 kWh/100mi **Miles traveled per vehicle per year:** 6,000 mi **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating electric vehicles in a multi-county service territory.*					
Fleet I	Heavy-Duty	HEV	1	35 gal	0.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 6 MPG **Miles traveled per vehicle per year:** 587 mi **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local transit agency operating a heavy-duty hybrid bus.*					
Fleet I	Light-Duty	HEV	14	2,207 gal	25.8 tons
Average vehicle fuel economy: 26 MPG **Miles traveled per vehicle per year:** 5,730 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local transit agency operating HEVs.*					
Fleet I	Light-Duty	HEV	42	63,293 gal	739.8 tons
Average vehicle fuel economy: 27 MPG **Miles traveled per vehicle per year:** 78,723 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local transit agency operating HEVs.*					
Fleet III	Light-Duty	Electric	4	2,502 gal	19.5 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 19,080 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility association that shared survey results for its members; the numbers included reflect only those from utilities in coalition boundaries whose data is not reflected elsewhere in this report.*					
Fleet LL	Heavy-Duty	Electric	3	717 gal	3.6 tons
Electricity used: 9,313 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a transit agency operating BEVs and HEVs.*					
Fleet LL	Heavy-Duty	HEV	27	67,577 gal	800.2 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 4 MPG **Miles traveled per vehicle per year:** 27,324 mi **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a transit fleet operating HEVs and BEVs.*					
Fleet LL	Heavy-Duty	HEV	67	235,783 gal	2,792.0 tons
Average vehicle fuel economy: 5 MPG **Miles traveled per vehicle per year:** 41,098 mi **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a transit fleet operating HEVs and BEVs.*					
Fleet MMM	Light-Duty	PHEV	2,173	462,518 gal	3,090.2 tons
Electricity used: 4,370,085 kWh **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *We polled EV drivers around the State of Tennessee and received 161 responses to our survey. The survey collected average miles traveled, MPGe, and kWh used per vehicle. Using the average kWh used from all survey responses, we took the number of registered PEVs and used 50% of that number, based on our outreach to individual drivers over 2023, including in-person conversations, DET e-mails, social media, website, phone calls, events, and DET Working Group outreach projects. The resultant data was allocated between the Middle-West and East TN Clean Fuels Coalitions (25% to MWTCF and 75% to ETCF).*					
Fleet NN	Heavy-Duty	Electric	3	18,404 gal	91.3 tons
Electricity used: 238,907 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a transit agency operating all-electric transit buses.*					
Fleet O	Light-Duty	HEV	4	269 gal	3.1 tons
Average vehicle fuel economy: 35 MPG **Miles traveled per vehicle per year:** 2,642 mi **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating an HEV.*					
Fleet P	Light-Duty	PHEV	43	5,581 gal	65.2 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average electric fuel economy: 33 kWh/100mi **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 5,142 mi **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local utility operating hybrid vehicles.*					
Fleet QQ	Heavy-Duty	Electric	2	2,592 gal	16.7 tons
Electricity used: 26,313 kWh **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a school district that operates all-electric school buses.*					
Fleet R	Light-Duty	Electric	25	7,018 gal	54.2 tons
Electricity used: 69,925 kWh **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating all-electric vehicle at multiple locations.*					
Fleet S	Heavy-Duty	Electric	9	108,129 gal	1,006.8 tons
Average electric fuel economy: 167 kWh/100mi **Miles traveled per vehicle per year:** 42,940 mi **Market:** Airport **Vehicle type:** Bus: Transit **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a fleet operating all-electric transit buses for the local airport.*					
Fleet T	Light-Duty	Electric	11	1,390 gal	10.7 tons
Electricity used: 13,846 kWh **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating HEVs, PHEVs, and BEVs.*					
Fleet T	Light-Duty	HEV	1	10 gal	0.1 tons
Average vehicle fuel economy: 32 MPG **Miles traveled per vehicle per year:** 1,334 mi **Market:** Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating HEVs, PHEVs, and BEVs.*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fleet U	Light-Duty	Electric	71	2,012 gal	15.5 tons
Electricity used: 15,036 kWh **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local government fleet operating light-duty electric vehicles.*					
Fleet U	Light-Duty	HEV	672	23,952 gal	280.0 tons
Average vehicle fuel economy: 32 MPG **Miles traveled per vehicle per year:** 5,000 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local government operating a fleet of hybrid vehicles.*					
Fleet V	Light-Duty	Electric	2	1,357 gal	10.5 tons
Electricity used: 18,444 kWh **Market:** Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a utility operating light-duty EVs.*					
Fleet VV	Heavy-Duty	Electric	4	2,171 gal	14.0 tons
Electricity used: 22,045 kWh **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a school district operating all-electric school buses.*					
Fleet WW	Heavy-Duty	Electric	4	3,162 gal	24.7 tons
Average electric fuel economy: 120 kWh/100mi **Miles traveled per vehicle per year:** 6,250 mi **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a school district operating electric school buses.*					
Fleet Z	Heavy-Duty	Electric	1	122 gal	1.3 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 732 mi **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local government operating a heavy-duty electric truck.*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fleet Z	Light-Duty	Electric	12	3,166 gal	24.5 tons
Electricity used: 23,660 kWh **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local government fleet that operates light-duty PHEVs and BEVs.*					
Fleet Z	Light-Duty	HEV	8	788 gal	9.2 tons
Average vehicle fuel economy: 46 MPG **Miles traveled per vehicle per year:** 5,392 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is a local government fleet that operates light-duty BEVs and HEVs.*					
Station B	Light-Duty	Electric	28,299	96,945 gal	749.2 tons
Electricity used: 905,573 kWh **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is charging data provided to us by a network vendor covering the state. The vehicle number we used is a high estimate, reflecting the current number of EVs registered in Tennessee.*					
Station C	Light-Duty	Electric	1,155	2,722 gal	21.0 tons
Electricity used: 25,430 kWh **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is charging data provided to us by a network vendor covering the state. The vehicle number we used is a high estimate, reflecting the current number of EVs registered in Tennessee.*					
Station P	Light-Duty	Electric	210	343 gal	2.6 tons
Electricity used: 2,560 kWh **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is charging data provided to us by a network vendor covering the state.*					
Station Q	Light-Duty	Electric	25,000	408,142 gal	3,154.2 tons
Electricity used: 3,050,000 kWh **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *This is charging data provided to us by a network vendor covering the state.*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Station R	Light-Duty	Electric	11,719	15,056 gal	116.4 tons
Electricity used: 140,636 kWh **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
This is charging data provided to us by a network vendor covering the state.					
Station T	Light-Duty	Electric	4,697	7,580 gal	58.6 tons
Electricity used: 56,648 kWh **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
This is charging data provided to us by a network vendor with chargers in select state parks.					
Station U	Light-Duty	Electric	12,945	43,124 gal	333.3 tons
Electricity used: 322,258 kWh **Market:** General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
This is a charger network funded in part by TDEC through the VW Diesel Settlement. Station utilization is collected as part of the grant. This charging data covers the middle and western regions of the state.					
UPS - Medium-duty Hybrids	Heavy-Duty	HEV	4	634 gal	7.5 tons
Average vehicle fuel economy: 24 MPG **Miles traveled per vehicle per year:** 1,352 mi **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
UPS indicates that their hybrid vehicles see up to 4x improvement in fuel economy compared to their conventional counterparts. Reporting LPG, HEV, and EV vehicle data as MD as in prior years.					
Total:			**87,289**	**1,607,794 gal**	**13,678 tons**

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fleet AA	Recreational equipment	Alternative fuel or vehicles	Electric	289	26,442 gal	174.5 tons
Fuel used: 261,604 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
This is a state fleet operating electric golf carts across multiple locations.						
Total:				**289**	**26,442 gal**	**174 tons**

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
FE Fleet A	18 MPG	22 MPG	2	12,700 mi	192 gal	2.2 tons
Method: Vehicle - More efficient **Vehicle class:** Light-Duty **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This a utility that replaced two older vehicles with newer, more efficient vehicles.*						
FE Fleet B	8 MPG	12 MPG	2	20,000 mi	1,924 gal	22.8 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that replaced older vehicles with newer, more efficient vehicles.*						
Total:			**4**	**32,700 mi**	**2,116 gal**	**25 tons**

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
VMT Red. 1 - Commuter Rail	Mass transit	Light-Duty	145,568 gal	1,701.4 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 20 MPG **Number of vehicles driven less:** 115,290 **VMT project per vehicle being driven less:** 25 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This transit provider offers commuter rail, regional bus, and downtown bus services for Middle TN. MWTCF highlights the regional transit and rail services provided by the transit provider on its transportation demand management website and at local events. The agency provided the regional rail ridership data for 2024.*				
VMT Red. 1 - Downtown Bus	Mass transit	Light-Duty	821,462 gal	9,601.3 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 20 MPG **Number of vehicles driven less:** 8,791,864 **VMT project per vehicle being driven less:** 4 mi **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This transit provider offers commuter rail, regional bus, and downtown bus services for Middle TN. MWTCF highlights the regional transit and rail services provided by the transit provider on its transportation demand management website and at local events. The agency provided the downtown commuter bus ridership data for 2024. The APTA fact book cites 3.7 miles as the average length of a downtown public bus trip per rider and that figure was used here as the VMTR.*				
VMT Red. 1 - Regional Bus	Mass transit	Light-Duty	183,488 gal	2,144.6 tons

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 20 MPG **Number of vehicles driven less:** 151,378 **VMT project per vehicle being driven less:** 24 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This transit provider offers commuter rail, regional bus, and downtown bus services for Middle TN. MWTCF highlights the regional transit and rail services provided by the transit provider on its transportation demand management website and at local events. The agency provided the regional transit bus ridership data for 2024.*				
VMT Red. 2	Carpooling	Light-Duty	65,614 gal	766.9 tons
Fuel saved: 82,017 gallons **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local rideshare program that reported actual fuel savings of 82,017 gallons (2,083,223 miles reduced). The number of riders/vehicles driven less reported is 83,391.*				
VMT Red. 3	Telecommute	Light-Duty	6,414 gal	75.0 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 23 MPG **Number of vehicles driven less:** 15 **VMT project per vehicle being driven less:** 9,664 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *The TN Department of Environment and Conservation's Office of Energy Programs (TDEC OEP) acts as host agency to MWTCF. In 2024, 15+ office staff worked predominantly from home, resulting in great VMT reductions.*				
VMT Red. 4	Vanpooling	Light-Duty	132,076 gal	1,543.7 tons
Fuel saved: 132,076 gallons **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local transit agency that provides a van rideshare. The agency reported 3,255,062 miles reduced, resulting in fuel savings of 132,076 gallons.*				
Total:			**1,354,622 gal**	**15,833 tons**

IDLE REDUCTION

Idle Reduction

Project Name	Type of Project	Number of Vehicles	GGE Reduced	GHG Reduced
IR Project 1	Auxiliary power unit (APU)	15	18,893 gal	220.8 tons
Type of vehicle: Light-Duty **Fuel reduced:** 18,893 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a local fire department that implements idle reduction technology.*				
IR Project 2	Policies	1,674	64,978 gal	769.4 tons

Project Name	Type of Project	Number of Vehicles	GGE Reduced	GHG Reduced
Type of vehicle: Heavy-Duty - Bus: School **Fuel reduced:** 56,300 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is based on the results of a survey conducted of all school districts that implemented an idle reduction policy as part of their receiving Volkswagen Settlement EMT funds from the State of Tennessee. MWTCF staff within TDEC OEP administer this grant program.*				
IR Project 3	Driver training	951	24,696 gal	292.4 tons
Type of vehicle: Heavy-Duty - Bus: School **Fuel reduced:** 21,398 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *This is a school district that estimated 15 minutes of idle reduction per bus per day.*				
Total:		**2,640**	**108,568 gal**	**1,283 tons**

COALITION ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Alternative Fuel Safety Training for First Responders: Jackson	02/14/2024	Inform: Workforce/technical training	100%	40
Was this activity in-person, virtual, or hybrid?: In-person **Provide the location ZIP code:** 38301 **Audience or stakeholder type:** First responders, Government officials, Industry/advocacy organization, Utility **Transportation technology:** Electric, Hybrid electric vehicles, Natural gas vehicles, Propane **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF organized in-person training session on alternative fuel/electric vehicle and infrastructure safety for first responders. This training provided technical knowledge needed to respond to incidents involving AFVs and equipped the responders to serve their communities better.*				
Alternative Fuel Safety Training for First Responders: Memphis	02/16/2024	Inform: Workforce/technical training	100%	45
Was this activity in-person, virtual, or hybrid?: In-person **Provide the location ZIP code:** 38103 **Audience or stakeholder type:** First responders, Government officials, Industry/advocacy organization, Utility **Transportation technology:** Electric, Hybrid electric vehicles, Natural gas vehicles, Propane **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF organized in-person training session on alternative fuel/electric vehicle and infrastructure safety for first responders. This training provided technical knowledge needed to respond to incidents involving AFVs and equipped the responders to serve their communities better.*				
Northwest Tennessee Electric Vehicle Day	02/22/2024	Connect: Participate in event	20%	80

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
What role did the coalition director/staff have?: Attended, Presented, Promoted event to stakeholders **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 38237 **What best describes how the stakeholders/communities participated?:** They had a collaborative role **How would you describe the level of involvement in the coalition for the majority of participants?:** Significant involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Community/faith-based organization, Educational institution, First responders, Fuel provider, Government officials, Industry/advocacy organization, Mechanics/technicians, Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community, Utility, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *Presentations detailed EV growth and local adoption trends, updates on the Fast Charge TN Network and Tennessee Electric Vehicle Infrastructure (TEVI) programs, and funding opportunities for fleets.*				
West TN Stakeholder Meeting	02/21/2024	Connect: Stakeholder working group	100%	20
What is the working group's purpose?: These meetings aim to bring together coalition stakeholders for in-person meetings to hear about coalition work and updates and to provide feedback to the coalition on its efforts and priorities. **Audience or stakeholder type:** Educational institution, First responders, Fuel provider, Government officials, Off-road, rail, marine, aviation, ports, Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community, Utility **Transportation technology:** Biodiesel, E85, Efficient transportation solutions, Electric, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Renewable diesel, Renewable natural gas, Sustainable aviation fuels **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *Stakeholders in attendance represented Lane College; Brownsville Energy Authority; Jackson Energy Authority; Memphis Area Transit Authority; Weakley County Municipal Electric System; Memphis Light, Gas and Water; Memphis and Shelby County Office of Sustainability and Resilience; and Memphis Fire Department.*				
EV Battery Recycling and Reuse Workshop	03/06/2024	Connect: Coalition organized event	50%	30
Was this activity in-person, virtual, or hybrid?: In-person **Provide the location ZIP code:** 37210 **What best describes how the stakeholders/communities participated?:** They had a collaborative role **How would you describe the level of involvement in the coalition for the majority of participants?:** Significant involvement **Audience or stakeholder type:** Educational institution, Government officials, Industry/advocacy organization, Mechanics/technicians, Vehicle dealer/manufacturer, Other **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *Presenters spoke on the evolution of battery chemistries, second-life battery applications and performance, platforms for purchasing and selling used EV batteries, and EPA regulatory considerations for battery recycling.*				
Society of Automotive Engineers EV Charging Infrastructure Conference	03/05/2024	Connect: Participate in event	50%	160
What role did the coalition director/staff have?: Presented, Promoted event to stakeholders **Was this activity in-person, virtual, or hybrid?:** Virtual **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Some involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Government officials, Industry/advocacy organization, Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community, Utility, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff presented alongside TVA partners on public EV infrastructure development around Tennessee.*				
Tennessee Beneficial Electrification Summit	03/28/2024	Connect: Participate in event	20%	75

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
What role did the coalition director/staff have?: Attended, Led/moderated a session, Presented **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37771 **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Some involvement **Audience or stakeholder type:** Government officials, Industry/advocacy organization, Private on-road fleet, Public on-road fleet, Utility **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *Organized by the Beneficial Electrification League, MWTCF staff presented on the current landscape of State and federally supported transportation electrification initiatives and projects from around Tennessee. This event convened leaders from around Tennessee to discuss opportunities and challenges around further electrification of the economy as well as current and upcoming opportunities for the advancement and implementation of electric technologies.*				
Chattanooga State Community College Assistance	12/31/2024	Inform: Provide tailored expertise	50%	5
Where is the recipient of the tailored expertise located?: 37406 **Audience or stakeholder type:** Educational institution, Task force **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *The coalition assisted the college's efforts to frame a statewide proposal to TDOT to leverage NEVI funding for Tennessee Colleges of Applied Technology.*				
Support of TN Bus Electrification, Education and Planning (BEEP) Partnership	12/31/2024	Connect: Other notable outreach/engagement	20%	100
Was this activity in-person, virtual, or hybrid?: Virtual **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Significant involvement **Audience or stakeholder type:** Educational institution, Government officials, Industry/advocacy organization, Public on-road fleet, Rural community, Suburban community, Urban community, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *This collaborative provides no-cost education and assistance services to school district leadership and fleet management personnel in Tennessee, primarily to complement the EPA Clean School Bus Program.*				
Alternative Fuel Safety Training for First Responders: Bell Buckle	02/13/2024	Inform: Workforce/technical training	100%	30
Was this activity in-person, virtual, or hybrid?: In-person **Provide the location ZIP code:** 37020 **Audience or stakeholder type:** First responders, Government officials, Industry/advocacy organization, Utility **Transportation technology:** Electric, Hybrid electric vehicles, Natural gas vehicles, Propane **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF organized in-person training session on alternative fuel/electric vehicle and infrastructure safety for first responders. This training provided technical knowledge needed to respond to incidents involving AFVs and equipped the responders to serve their communities better.*				
Support of TDOT Through EV Infrastructure Workforce Working Group	12/31/2024	Inform: Provide tailored expertise	10%	10
Where is the recipient of the tailored expertise located?: 37243 **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Educational institution, General public (broad), Government officials, Industry/advocacy organization, Mechanics/technicians, Private on-road fleet, Public on-road fleet **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF continued to support TDOT with an EV Infrastructure Workforce working group, through which TDOT is evaluating the use of National Electric Vehicle Infrastructure (NEVI) funding to support workforce training programs at community and technical colleges throughout the state.*				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
City of Chattanooga Assistance	12/31/2024	Inform: Provide tailored expertise	100%	10

Where is the recipient of the tailored expertise located?: 37402
Audience or stakeholder type: Government officials, Public on-road fleet, Suburban community, Urban community
Transportation technology: Natural gas vehicles, Renewable natural gas
Did the activity involve providing stakeholders information about DOE tools and resources?: Yes
Was this activity performed for the CC&C coalition fixed amount awards through NETL?: No

MWTCF staff continued conversations throughout 2024 with the City of Chattanooga (looking to convert a good portion of its medium- and heavy-duty municipal fleet to run on CNG originally and RNG eventually (captured from the city's wastewater treatment plant); MWTCF facilitated a half-day CNG 101 workshop for relevant city officials in late 2023.

Nashville Department of Transportation Assistance	12/31/2024	Inform: Provide tailored expertise	100%	6

Where is the recipient of the tailored expertise located?: 37206
Audience or stakeholder type: Government officials, Public on-road fleet, Urban community
Transportation technology: Efficient transportation solutions, Electric, Natural gas vehicles, Propane, Renewable natural gas
Did the activity involve providing stakeholders information about DOE tools and resources?: No
Was this activity performed for the CC&C coalition fixed amount awards through NETL?: No

MWTCF staff continued to meet with representatives from the Nashville Department of Transportation to talk through various options and considerations for converting their 15 vehicle shuttle fleet (which transports employees from parking lots to government buildings) to an alternate fueled option, and continued to support the fleet by introducing them to relevant contacts in the electric, propane, and CNG space and will provide them with resources on vehicle options, infrastructure, fuel, etc.

City of Franklin Assistance	03/31/2024	Inform: Provide tailored expertise	100%	5

Where is the recipient of the tailored expertise located?: 37064
Audience or stakeholder type: General public (broad), Government officials, Public on-road fleet, Suburban community, Urban community
Transportation technology: Electric
Did the activity involve providing stakeholders information about DOE tools and resources?: Yes
Was this activity performed for the CC&C coalition fixed amount awards through NETL?: No

MWTCF engaged with the City of Franklin as it sought solutions and options for heavy-duty fleet electrification pilot.

Sewanee: University of the South Assistance	03/31/2024	Deploy: Project funding application	100%	5

Was this application selected for project funding?: No
Audience or stakeholder type: Community/faith-based organization, Educational institution, Private on-road fleet
Transportation technology: Electric
Did the activity involve providing stakeholders information about DOE tools and resources?: Yes
Was this activity performed for the CC&C coalition fixed amount awards through NETL?: -

MWTCF staff assisted the university in seeking solutions for shuttle fleet electrification, leading to submission of a proposal to DOE funding opportunity.

Funding Proposal: Joint Office of Energy and Transportation's Communities Taking Charge Accelerator	09/30/2024	Deploy: Project funding application	25%	20

Was this application selected for project funding?: No
Audience or stakeholder type: Government officials, Industry/advocacy organization, Private on-road fleet, Utility, Vehicle dealer/manufacturer
Transportation technology: Efficient transportation solutions, Electric
Did the activity involve providing stakeholders information about DOE tools and resources?: Yes
Was this activity performed for the CC&C coalition fixed amount awards through NETL?: No

MWTCF submitted a proposal in response to the Joint Office of Energy and Transportation's Communities Taking Charge Accelerator titled, "Intelligent, Interconnected Microgrid (i2MG) Networks for Equitable, Coordinated Electric Vehicle Charging to develop and demonstrate an intelligent, interconnected microgrid charging infrastructure network system coupled with DER and storage, in coordination with partners such as TVA, TDEC OEP, ORNL, Venture Logistics, and Thomas Built Buses.

Support of State of TN EPA Clean Heavy Duty Vehicle Funding Proposal	09/30/2024	Deploy: Project funding application	25%	15

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Was this application selected for project funding?: Yes **Audience or stakeholder type:** Government officials, Public on-road fleet, Rural community, Suburban community, Urban community, Utility **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF supported a proposal by TDEC OEP in response to EPA's Clean Heavy Duty Vehicle Grant Program to request funding for multiple fleets in TN to replace older, diesel vehicles with new all-electric vehicles. MWTCF supported the proposal by coordinating with and identifying eligible fleets to participate in the proposal.*				
Nashville Earth Day Event	04/20/2024	Connect: Participate in event	20%	300
What role did the coalition director/staff have?: Attended, Helped organize event, Staffed a booth **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37203 **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Little to no involvement **Audience or stakeholder type:** General public (broad) **Transportation technology:** Biodiesel, E85, Efficient transportation solutions, Electric, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Natural gas vehicles, Propane, Renewable diesel, Renewable natural gas **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** - *MWTCF participated in Metro Nashville Government's 2024 Earth Day Celebration, which involved the coalition both keeping a booth to discuss coalition activities and its mission with eventgoers and working with Drive Electric TN and other stakeholders to organize and staff a large EV showcase which featured over a dozen unique electric vehicles prominently displayed at the event.*				
Drive Electric TN Momentum Summit	05/09/2024	Connect: Participate in event	20%	110
What role did the coalition director/staff have?: Attended, Helped organize event, Led/moderated a session, Presented, Promoted event to stakeholders, Staffed a booth **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37132 **What best describes how the stakeholders/communities participated?:** They had a collaborative role **How would you describe the level of involvement in the coalition for the majority of participants?:** Significant involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Community/faith-based organization, Educational institution, First responders, Fuel provider, Government officials, Industry/advocacy organization, Mechanics/technicians, Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community, Utility, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff organized a panel titled "Training Tennessee's Workforce for Electric Vehicles" for the 2024 Drive Electric Tennessee Momentum Summit in Murfreesboro. The panel featured speakers from the Tennessee Department of Economic and Community Development, Nissan North America, Chattanooga State Community College, and the University of Tennessee System.*				
EV Charging Behavior and Infrastructure Workshop	05/22/2024	Connect: Participate in event	5%	50
What role did the coalition director/staff have?: Attended, Presented **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37996 **What best describes how the stakeholders/communities participated?:** They had a collaborative role **How would you describe the level of involvement in the coalition for the majority of participants?:** Some involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Educational institution, Government officials, Industry/advocacy organization, Rural community, Suburban community, Urban community, Utility **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff participated in an EV Charging Behavior and Infrastructure Workshop organized by the University of Tennessee-Knoxville and gave a presentation on the current EV landscape and initiatives in Tennessee, and also contributed to workshop activities with representatives from various other organizations including universities, utilities, local governments, advocacy groups, and more to discuss issues related to both organizational and consumer EV charging behavior and the associated challenges.*				
Funding Proposal: DOE VTO FOA-3250	06/30/2024	Deploy: Project funding application	25%	15

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Was this application selected for project funding?: No **Audience or stakeholder type:** Educational institution, Government officials, Public on-road fleet, Suburban community, Urban community **Transportation technology:** Efficient transportation solutions, Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF organized and submitted a proposal, "E-MOVE: Electric Memphis On-demand Vehicle Ecosystem," in response to DOE's VTO FOA 3250 in coordination with the University of Memphis and Memphis Area Transit Authority. The project aimed to deploy an on-demand electric shuttle bus service in the Raleigh area of Memphis, an underserved community.*				
Support of NASEO Proposal for ZEV Trainings for First Responders	06/30/2024	Deploy: Project funding application	5%	5
Was this application selected for project funding?: Yes **Audience or stakeholder type:** First responders, Government officials, Mechanics/technicians, Utility **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF signed a Letter of Commitment in support of a proposal led by the National Association of State Energy Officials. MWTCF will assist with identifying stakeholders to conduct online and in-person ZEV trainings for emergency responders.*				
TN Dept. of General Services Assistance	12/31/2024	Inform: Provide tailored expertise	50%	5
Where is the recipient of the tailored expertise located?: 37243 **Audience or stakeholder type:** Government officials, Public on-road fleet **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff met with the TN Department of General Services Vehicle and Asset Management Division (DGS VAM), which oversees procurement of vehicles for the entire State of TN fleet. Given the ongoing technical assistance that MWTCF has provided to this Division as part of its work to inform fleet electrification for the Tennessee State Parks fleet, DGS VAM has approached MWTCF with request for technical assistance to inform a multi-phase fleet electrification for the broader State vehicle fleet.*				
Second-life Battery in Mobile EV Charging Application for Rural Transportation (SMART) Project Team Meeting	09/18/2024	Connect: Participate in event	10%	30
What role did the coalition director/staff have?: Attended, Presented **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 38505 **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Some involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Educational institution, Government officials, Industry/advocacy organization, Mechanics/technicians, Utility, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff attended and presented at an in-person, all day meeting regarding the Tennessee Technological University's Second-life Battery in Mobile EV Charging Application for Rural Transportation (SMART) project to meet with other project partners, discuss the work and progress made to date, and to receive a tour of the university's new battery lab, where much of the project-related research is being conducted.*				
Support of Nashville Electric Service DOE Clean Energy to Communities Funding Proposal	09/30/2024	Deploy: Project funding application	10%	20

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Was this application selected for project funding?: Yes **Audience or stakeholder type:** General public (broad), Government officials, Urban community, Utility **Transportation technology:** Efficient transportation solutions, Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff supported Nashville Electric Service (NES) in their consortium application with the Metropolitan Government of Nashville and Davidson County (Metro Nashville) for the DOE Clean Energy to Communities – In-Depth Technical Partnerships program. The consortium's proposal, titled Nashville Area Sustainable Human-centered Grid Modernization Strategy (NASH-GMS), will develop and leverage a community-informed digital twin of the NES electric grid, all buildings within the NES service territory, transportation and mobility data, and human population models to inform decarbonization scenarios, deployment of distributed energy resources (DERs), system resiliency, and related workforce development. These insights can help capture key grid considerations, including where and how customer loads are changing, where EV penetration is greatest, and where non-wire alternatives could be economically advantageous.*				
Newsletters and E-mail Blasts (TN Clean Fuels, OEP Listserv, DET Newsletter, FuelsFix, social media channels)	12/31/2024	Connect: Digital communication channels	20%	10,000
Audience or stakeholder type: General public (broad) **Transportation technology:** Biodiesel, E85, Efficient transportation solutions, Electric, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Renewable diesel, Renewable natural gas, Sustainable aviation fuels **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *The coalition throughout the year contributed to digital messaging work and opportunities including the TDEC Office of Energy Programs monthly newsletters and e-mail blasts, the Drive Electric TN newsletter, TN Clean Fuels newsletters, FuelsFix, and content posted on social media channels.*				
Chattanooga Connect	10/21/2024	Connect: Participate in event	5%	120
What role did the coalition director/staff have?: Attended, Promoted event to stakeholders **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37403 **What best describes how the stakeholders/communities participated?:** They had a collaborative role **How would you describe the level of involvement in the coalition for the majority of participants?:** Some involvement **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Educational institution, Government officials, Industry/advocacy organization, Private on-road fleet, Public on-road fleet, Utility, Vehicle dealer/manufacturer **Transportation technology:** Efficient transportation solutions, Electric, Fuel economy improvements **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF staff attended Chattanooga Connect, an in-person conference at the University of Tennessee Chattanooga focused on new emerging technologies in transportation including C-V2X, AI, CAV, autonomous vehicles, and wireless charging. Panels focused on policy, cybersecurity, safety, and real-world deployment of these technologies.*				
Support of TN Tech University Proposal Under Connected Communities 2.0	12/31/2024	Deploy: Project funding application	10%	10
Was this application selected for project funding?: Unknown **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Educational institution, Rural community, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF supported a proposal by Tennessee Tech University in response to U.S. DOE's Connected Communities 2.0 funding opportunity. This proposal, titled "Empowering Rural Communities with Smart Charge Management Solutions". This project will involve field validation of a smart charge management framework in TN communities and, if funded, MWTCF's contributions will include community engagement and recruitment as well as information exchange and outreach and education efforts.*				
Support of Einride Proposal Under Supertruck Charge Funding Program	12/31/2024	Deploy: Project funding application	10%	10

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Was this application selected for project funding?: Unknown **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Private on-road fleet, Public on-road fleet, Vehicle dealer/manufacturer **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF supported a proposal by Einride US under U.S. DOE's Supertruck Charge funding program, which seeks to develop a first-of-its-kind "Energy Hub" design for future medium- and heavy-duty EV charging hubs along I-24 in the Tennessee Valley.*				
Support of State of TN Charging and Fueling Infrastructure Grant Program Corridor Funding Application	09/30/2024	Deploy: Project funding application	10%	15
Was this application selected for project funding?: Yes **Audience or stakeholder type:** Government officials, Industry/advocacy organization, Private on-road fleet, Public on-road fleet, Suburban community, Urban community **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *With the release of Round 2 of CFI funding, MWTCF staff engaged with stakeholders to determine an approach to applying for funding. TDEC applied for the Round 2 FHWA Charging and Fueling Infrastructure (CFI) funding opportunity in both the Corridor and Community categories.*				
Support of State of TN Charging and Fueling Infrastructure Grant Program Community Funding Application	09/30/2024	Deploy: Project funding application	20%	30
Was this application selected for project funding?: No **Audience or stakeholder type:** Educational institution, General public (broad), Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *With the release of Round 2 of CFI funding, MWTCF staff engaged with stakeholders to determine an approach to applying for funding. TDEC applied for the Round 2 FHWA Charging and Fueling Infrastructure (CFI) funding opportunity in both the Corridor and Community categories.*				
Collaboration with State of TN and TVA on Fast Charge TN Network	12/31/2024	Inform: Provide tailored expertise	10%	8
Where is the recipient of the tailored expertise located?: 37243 **Audience or stakeholder type:** Charging/fueling infrastructure manufacturer, Government officials, Private on-road fleet, Public on-road fleet, Rural community, Suburban community, Urban community **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** No **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *The coalition continued to work with TVA regarding next steps in the Fast Charge TN Network program, which will involve the release of additional funds to local power companies as well as local governments and other third parties for the build-out of fast charging along Tennessee roadways to complement the NEVI and possible CFI programs.*				
Cheatham County Schools Assistance	09/30/2024	Inform: Provide tailored expertise	100%	5
Where is the recipient of the tailored expertise located?: 37015 **Audience or stakeholder type:** Educational institution **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF supported Cheatham County Schools with school bus electrification TA for their electric school bus to be supported by an EPA award and with trying to contextualize the benefits of EV buses for its school board to approve the purchase.*				
Emergency Services Coordinator Workshop EV Showcase	12/05/2024	Connect: Coalition organized event	75%	150

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Was this activity in-person, virtual, or hybrid?: In-person **Provide the location ZIP code:** 38585 **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Little to no involvement **Audience or stakeholder type:** First responders, Government officials **Transportation technology:** Electric **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF planned and executed an electric vehicle showcase at TMEPA's Emergency Service Coordinators Workshop at Fall Creek Falls State Park. The showcase followed a presentation by ETCF staff on common electric vehicle misconceptions.*				
Fridays by the River Event Series With Friends of Shelby Park and Bottoms	10/25/2024	Connect: Participate in event	10%	60
What role did the coalition director/staff have?: Attended, Promoted event to stakeholders, Staffed a booth **Was this activity in-person, virtual, or hybrid?:** In-person **Provide the location ZIP code:** 37206 **What best describes how the stakeholders/communities participated?:** They received information **How would you describe the level of involvement in the coalition for the majority of participants?:** Little to no involvement **Audience or stakeholder type:** General public (broad) **Transportation technology:** Biodiesel, E85, Efficient transportation solutions, Electric, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Renewable diesel, Renewable natural gas, Sustainable aviation fuels **Did the activity involve providing stakeholders information about DOE tools and resources?:** Yes **Was this activity performed for the CC&C coalition fixed amount awards through NETL?:** No *MWTCF and Drive Electric Nashville partnered with Rivian and Friends of Shelby Park and Bottoms on their Fridays by the River event series to hold an EV showcase originally intended to fall under NDEW. MWTCF, DEN, and Rivian engaged with individuals and provided them with information and resources on electric vehicles and answering any questions they had. The showcase received great feedback from those who participated, and Friends of Shelby Park and Bottoms expressed interest in partnering again in the future.*				
Total:				**11,599**

GRANTS

Name	Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2024	Matching Funds Spent in 2024	Total Project Funding Spent in 2024
Southeast Clean Cities Network Expansion	Clean Cities Georgia	$39,000	-	$39,000	$4,375	$0	$4,375
Length of grant: 3 years **Year grant began:** 2024 **Sources of the grant:** U.S. Department of Energy: Vehicle Technologies Office (VTO) **Partners:** Alabama Clean Fuels Coalition, Clean Cities Georgia, Land of Sky Clean Fuels Coalition, Mississippi State University, Palmetto Clean Fuels Coalition, Southeast Florida Clean Cities Coalition, Triangle Clean Cities **Technologies:** B100 - 100 percent Biodiesel, Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, H2 - Hydrogen, Idle Reduction, LNG - Liquefied Natural Gas, Propane, Vehicle-Miles Traveled Reductions **Funds contracted to coalitions or received from coalitions:** receiving **Coalitions involved:** East Tennessee Clean Fuels						
Great River Corridor Collaboration	Minnesota Clean Cities / American Lung Association	$50,000	-	$50,000	$0	$0	$0
Length of grant: 3 years **Year grant began:** 2024 **Sources of the grant:** U.S. Department of Energy: Vehicle Technologies Office (VTO) **Partners:** Various Clean Cities and Communities Coalitions Along Mississippi River Corridor **Technologies:** B100 - 100 percent Biodiesel, Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, H2 - Hydrogen, Idle Reduction, LNG - Liquefied Natural Gas, Propane, Vehicle-Miles Traveled Reductions **Funds contracted to coalitions or received from coalitions:** receiving **Coalitions involved:** Minnesota Clean Cities Coalition						

Name	Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2024	Matching Funds Spent in 2024	Total Project Funding Spent in 2024
PlugStar Consumer EV Education	Plug In America	$16,151	-	$16,151	$0	$0	$0
Length of grant: 3 years **Year grant began:** 2024 **Sources of the grant:** U.S. Department of Energy: Vehicle Technologies Office (VTO) **Partners:** East Tennessee Clean Fuels **Technologies:** Electricity							
Rural Reimagined: Building an EV Ecosystem and Green Economy for	Tennessee Tech University	$5,000	-	$5,000	$523	-	$523
Additional grant money added since start: $0 **Additional matching funds added since start:** $0 **Length of grant:** 4 years **Year grant began:** 2022 **Sources of the grant:** U.S. Department of Energy: Other **Technologies:** Electricity **Funds contracted to coalitions or received from coalitions:** receiving **Coalitions involved:** East Tennessee Clean Fuels							
Medium-duty eTruck: Pilot Electrified Fleets in Urban and Regiona	University of Texas at Austin / Tennessee Tech University	$17,922	$7,681	$25,603	$0	$1,053	$1,053
Additional grant money added since start: $0 **Additional matching funds added since start:** $0 **Length of grant:** 3 years **Year grant began:** 2022 **Sources of the grant:** U.S. Department of Energy: Other **Partners:** East Tennessee Clean Fuels **Technologies:** Electricity							
Total:		**$128,073**	**$7,681**	**$135,754**	**$4,898**	**$1,053**	**$5,951**