

# 2019 Transportation Technology Deployment Report:

Utah Clean Cities  
Expanded Edition

March 2020

# DRAFT



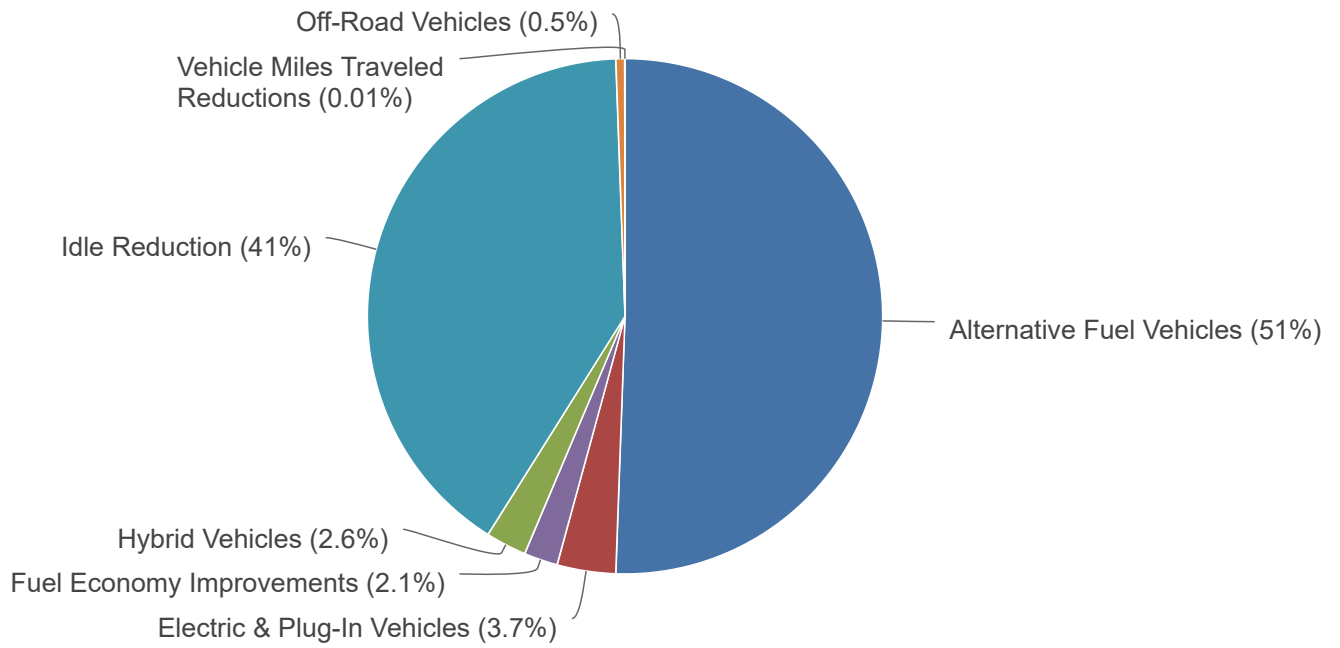
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and private sectors to deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and new transportation technologies, as they emerge.

Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, 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 coordinators also submit data on the sales of alternative fuels, deployment of alternative fuel vehicles and hybrid electric vehicles, idle-reduction initiatives, fuel economy activities, and programs to reduce vehicle miles traveled. NREL and DOE analyze the data and translate them into petroleum-use and greenhouse gas reduction impacts for individual coalitions and the program as a whole. This report summarizes those impacts for .

To view aggregated data for all local coalitions that participate in the Clean Cities program, visit [cleancities.energy.gov/accomplishments](https://cleancities.energy.gov/accomplishments).

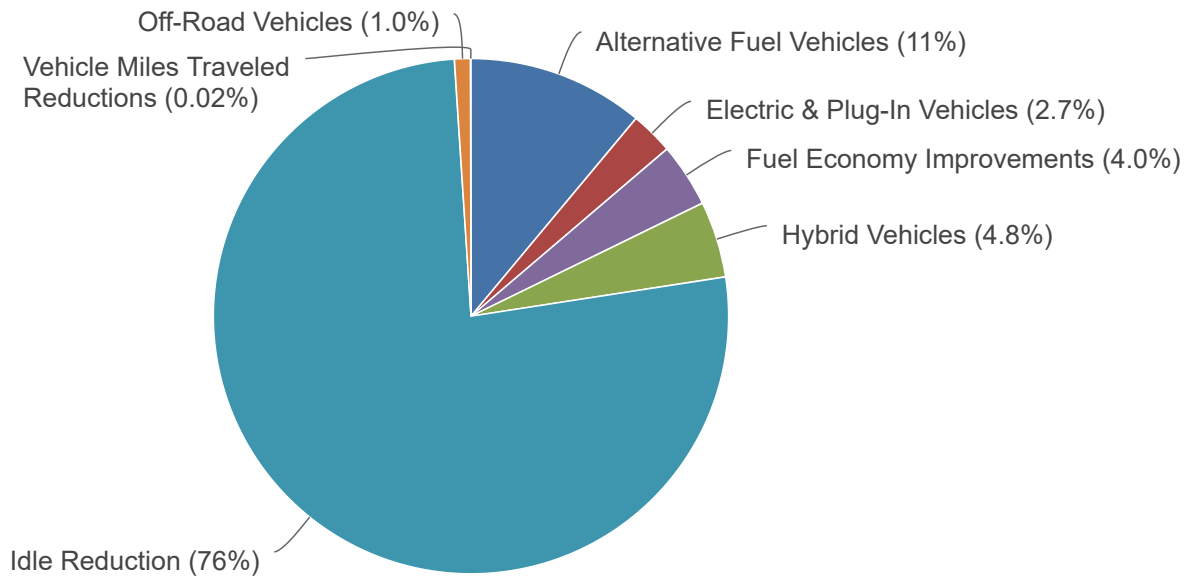
### 2019 Gallons of Gasoline Equivalent Reduced

14,455,552 gallons

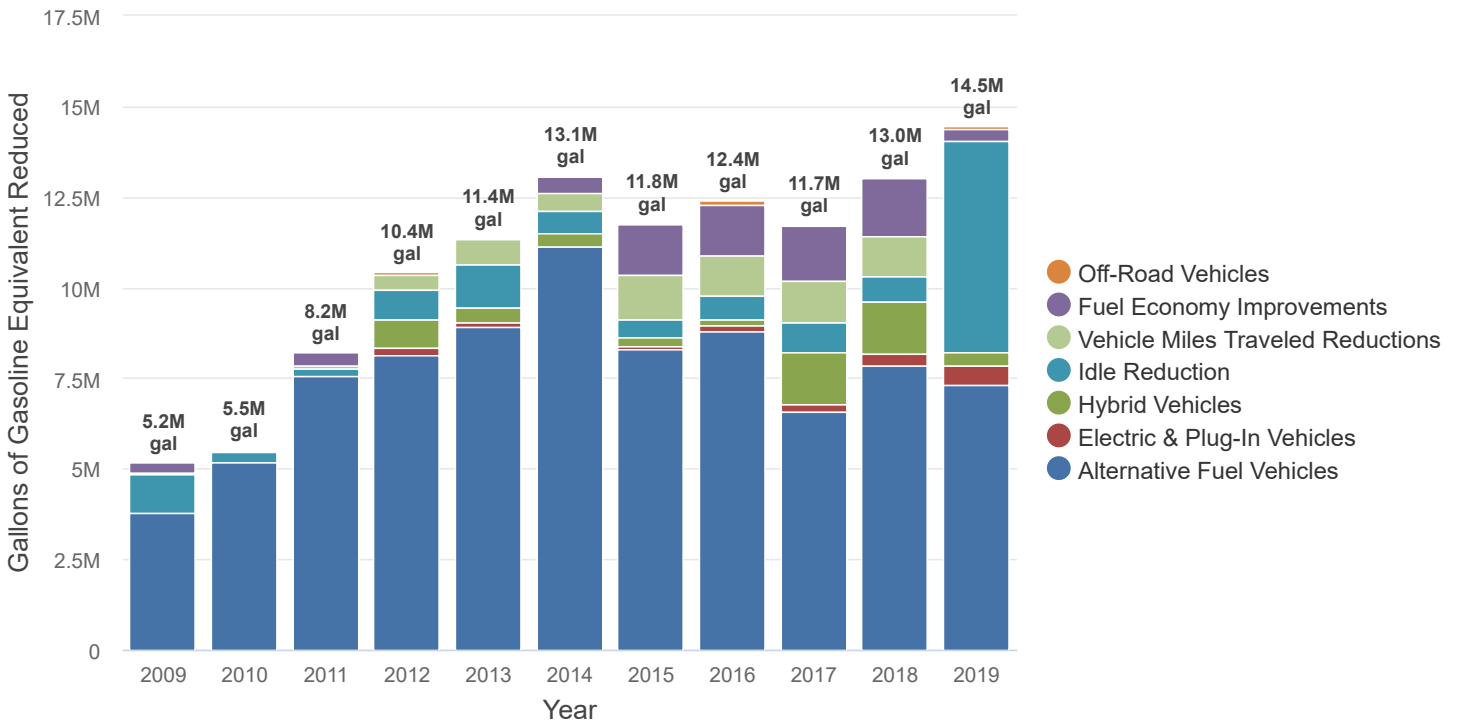


### 2019 Greenhouse Gas Emissions Reduced

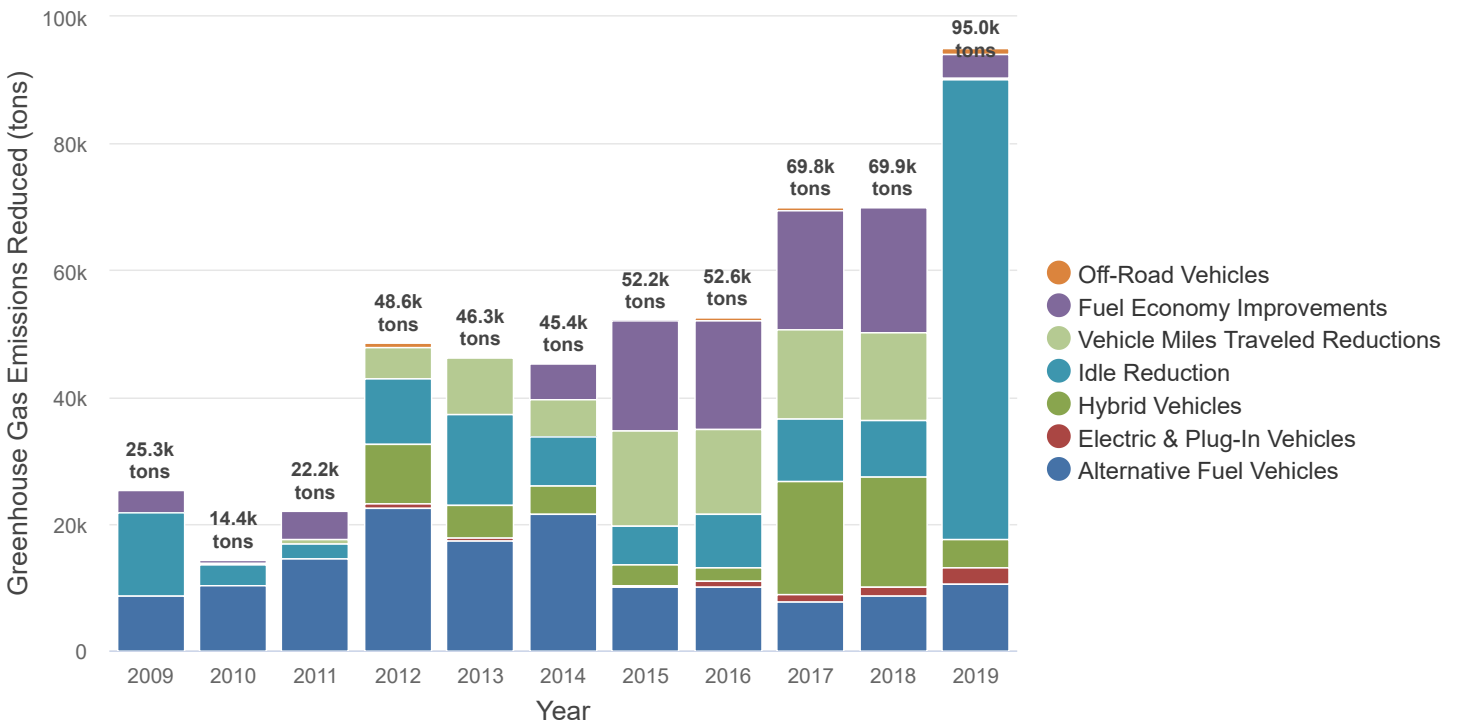
95,013 tons



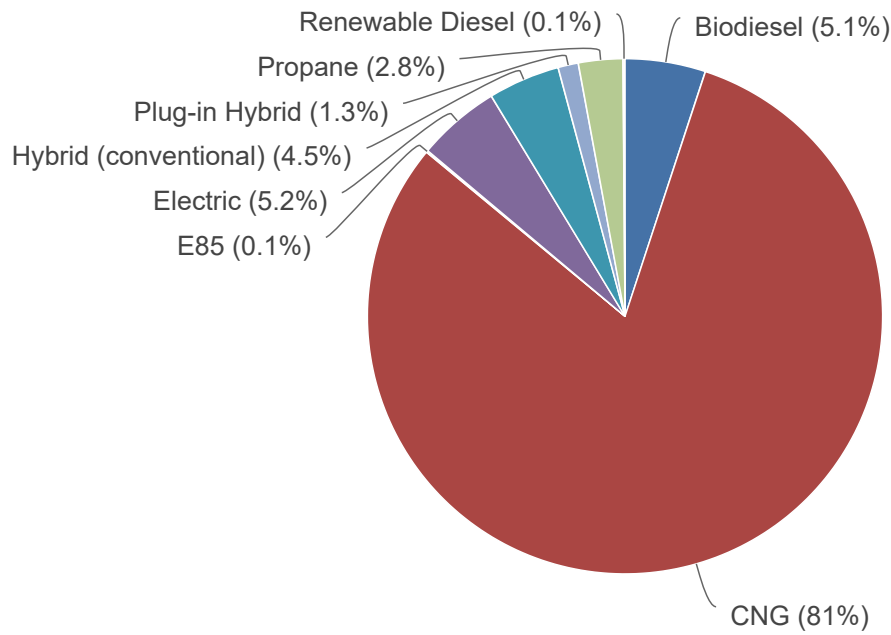
## Historical Gallons of Gasoline Equivalent Reduced



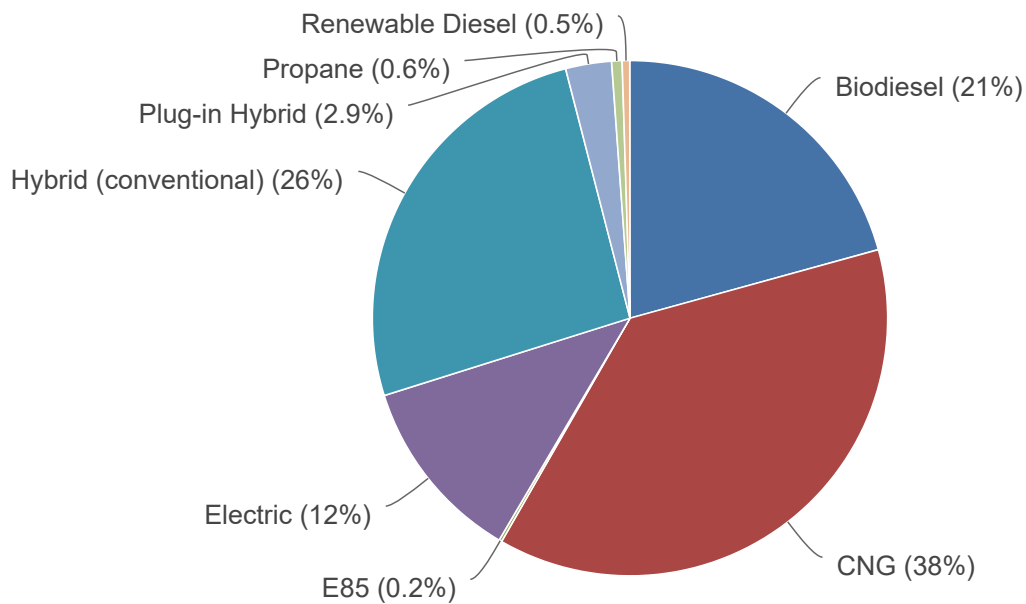
## Historical Greenhouse Gas Emissions Reduced



**2019 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects**  
8,215,019 gallons



**2019 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects**  
17,641 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 (NO<sub>x</sub>) 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 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](http://www.epa.gov/green-book). Carbon Monoxide benefits are not included since no Clean Cities coalitions are in nonattainment areas for CO. To learn more about what your emissions numbers mean, please take the Understanding Emissions or Emissions Compliance courses at [Clean Cities University](http://CleanCitiesUniversity.com).

Reductions by Technology*	NO <sub>x</sub>	VOC**	PM10	PM2.5
CNG - Compressed Natural Gas	167,582 lb	2,757 lb	3 lb	2 lb
E85 - 85% Ethanol	0 lb	27 lb	0 lb	0 lb
Electric (all-electric)	10,066 lb	9,134 lb	280 lb	259 lb
Hybrid (conventional)	164 lb	447 lb	0 lb	0 lb
Plug-in Hybrid	8,318 lb	4,489 lb	149 lb	138 lb
Propane	7,419 lb	-298 lb	30 lb	11 lb
VMT Reduction (Gasoline)	7 lb	12 lb	3 lb	1 lb
<b>Total:</b>	<b>193,556 lb</b>	<b>16,568 lb</b>	<b>465 lb</b>	<b>410 lb</b>

\* This table accounts for criteria pollutants from alternative fuel vehicle, hybrid vehicle, and VMT reduction projects only. It does not include fuel economy, idle reduction, or off-road projects. Negative values indicate an increase in emissions.

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

## COALITION

Utah Clean Cities - UT  
<http://www.utahcleancities.org>

**Designated:** 10/03/1994

**Boundaries:** Entire state of Utah except Tribal Lands

## COORDINATORS

	Address	Telephone	Fax
Tammie Bostick	451 S State St, Ste 145 Salt Lake City, UT 84111	801-580-1922	

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	40 hours
Other staff hours per week on Clean Cities	40 hours
How long have you been the coordinator?	5 years

## OPERATING INFORMATION

Coalition organizational structure Standalone nonprofit (self-managed)

### Stakeholders

Number of stakeholders	350
Number of private stakeholders	200
Does the State Energy Office provide any financial support to the coalition or stakeholders?	No
How would you rate the quality of the data on your survey?	Good
How do you obtain most of your data for the survey?	Coalition records, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders

## VEHICLE & FUEL INVENTORY

### Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Ace Recycling and Disposal	Light-Duty	CNG	1	100% of time	689 gal	0.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Miles traveled per vehicle:</b> 11,991 mi <b>Average vehicle fuel economy:</b> 17 MPGge <b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No  <i>2019 verified numbers. Reporting numbers are still accurate since this fleet fuels at public refueling facilities and all CNG fuel providers have submitted fuel dispensed reports for 2019. ACE disposal owns their own private refueling stations. The GGE is not included in Dominion Energy numbers.</i>						
Ace Recycling and Disposal	Heavy-Duty	CNG	104	804,822 GGE	724,340 gal	609.9 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No  <i>2019 verified numbers. Reporting numbers are still accurate since this fleet fuels at public refueling facilities and all CNG fuel providers have submitted fuel dispensed reports for 2019. ACE disposal owns their own private refueling stations. The GGE is not included in Dominion Energy numbers.</i>						
Blue Star Gas	Light-Duty	Propane	56	50% of time	3,033 gal	4.3 tons
<b>Miles traveled per vehicle:</b> 2,850 mi <b>Average vehicle fuel economy:</b> 17 MPGge <b>Market:</b> General/Unknown <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No  <i>2019 Verified Numbers</i>						
Canyons School District	Heavy-Duty	CNG	10	100% of time	25,554 gal	21.5 tons
<b>Miles traveled per vehicle:</b> 10,000 mi <b>Average vehicle fuel economy:</b> 4 MPGde <b>Market:</b> Government - Local <b>Vehicle type:</b> Bus: School <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No  <i>2019 numbers remain the same</i>						
Division of Administrative Services - DAS	Heavy-Duty	CNG	33	100% of time	63,899 gal	53.8 tons
<b>Miles traveled per vehicle:</b> 7,000 mi <b>Average vehicle fuel economy:</b> 3 MPGde <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: Transit <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No  <i>2019 Verified Numbers</i>						
Division of Administrative Services - DAS	Light-Duty	CNG	22	50% of time	4,813 gal	6.2 tons
<b>Miles traveled per vehicle:</b> 7,000 mi <b>Average vehicle fuel economy:</b> 12 MPGge <b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No  <i>2019 Verified Numbers</i>						
Division of Administrative Services - DAS	Light-Duty	CNG	7	100% of time	3,063 gal	4.0 tons



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Miles traveled per vehicle:</b> 7,000 mi <b>Average vehicle fuel economy:</b> 12 MPGge <b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Division of Administrative Services - DAS	Light-Duty	E85	1,637	10% of time	3,850 gal	15.0 tons
<b>Miles traveled per vehicle:</b> 970 mi <b>Average vehicle fuel economy:</b> 16 MPG <b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers. GSA has several flex fuel vehicles, however due to the low availability of Ethanol, the vehicles often run on gas.						
Dominion Energy	Heavy-Duty	CNG	75	51,069 GGE	45,962 gal	38.7 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Dominion Energy	Heavy-Duty	CNG	75	43,071 GGE	38,764 gal	32.6 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Dominion Energy	Light-Duty	CNG	6	5,831 GGE	5,539 gal	7.2 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Dominion Energy	Light-Duty	CNG	3,500	50% of time	1,962,617 gal	2,542.6 tons
<b>Miles traveled per vehicle:</b> 12,000 mi <b>Average vehicle fuel economy:</b> 11 MPGge <b>Market:</b> General/Unknown <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No GGE displaced 2,260.176 throughout the company owned public refueling stations						
Dominion Energy	Light-Duty	CNG	7	1,329 GGE	1,263 gal	1.6 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Dominion Energy Fleet	Light-Duty	CNG	190	100% of time	166,567 gal	215.8 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Miles traveled per vehicle:</b> 15,254 mi <b>Average vehicle fuel economy:</b> 17 MPGge <b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Intermountain Healthcare	Light-Duty	CNG	30	11,201 GGE	7,981 gal	10.3 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>Verified numbers in 2017, these are bi-fuel in the Homecare department - fuel maker the CNG provider.</i>						
Intermountain Healthcare	Light-Duty	CNG	27	10,540 GGE	7,510 gal	9.7 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2017 verified, these are bi-fuel in the Homecare department - fuel maker the CNG provider.</i>						
Intermountain Healthcare	Light-Duty	CNG	5	8,529 GGE	6,077 gal	7.9 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>Verified numbers in 2017. These are dedicated Civics used for Courier traveling 360 days, 300 miles a day- fuel maker the provider</i>						
Iron County School District	Light-Duty	Propane	11	100% of time	17,868 gal	25.3 tons
<b>Miles traveled per vehicle:</b> 14,749 mi <b>Average vehicle fuel economy:</b> 5 MPGge <b>Market:</b> Government - Local <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2018 Verified Numbers</i>						
Jordan School District	Light-Duty	CNG	2	100% of time	121 gal	0.2 tons
<b>Miles traveled per vehicle:</b> 1,810 mi <b>Average vehicle fuel economy:</b> 30 MPGge <b>Market:</b> Government - Local <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Jordan School District	Light-Duty	CNG	1	100% of time	63 gal	0.1 tons
<b>Miles traveled per vehicle:</b> 388 mi <b>Average vehicle fuel economy:</b> 6 MPGge <b>Market:</b> Government - Local <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers. Jordan School District has its own CNG station. Dominion Energy reported only their CNG stations.</i>						
Jordan School District	Heavy-Duty	CNG	115	100% of time	71,962 gal	60.6 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<p>Miles traveled per vehicle: 9,841 mi  Average vehicle fuel economy: 17 MPGde  Market: Government - Local  Vehicle type: Bus: School  Percentage from coalition: 100%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Lancer Energy (formerly D and S NGV Services)	Light-Duty	CNG	1	100% of time	667 gal	0.9 tons
<p>Miles traveled per vehicle: 10,000 mi  Average vehicle fuel economy: 15 MPGge  Market: Corporate Fleet  Vehicle type: Pickup/SUV/Van  Percentage from coalition: 100%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Lancer Energy (formerly D and S NGV Services)	Light-Duty	CNG	3	50% of time	1,000 gal	1.3 tons
<p>Miles traveled per vehicle: 10,000 mi  Average vehicle fuel economy: 15 MPGge  Market: Corporate Fleet  Vehicle type: Pickup/SUV/Van  Percentage from coalition: 100%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Momentum Recycling	Heavy-Duty	CNG	5	35,488 GGE	23,954 gal	20.2 tons
<p>Market: Corporate Fleet  Vehicle type: Truck: Refuse  Percentage from coalition: 75%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Park City Municipal	Heavy-Duty	Biodiesel (95%)	34	95% of time	384,925 gal	3,370.8 tons
<p>Miles traveled per vehicle: 34,012 mi  Average vehicle fuel economy: 3 MPG  Market: Government - Local  Vehicle type: Bus: Transit  Percentage from coalition: 100%  National Clean Fleets Partnership: No  2019 reported data from Park City</p>						
Park City School District	Heavy-Duty	Propane	2	100% of time	7,084 gal	2.8 tons
<p>Miles traveled per vehicle: 17,500 mi  Average vehicle fuel economy: 4 MPGde  Market: Government - Local  Vehicle type: Bus: School  Percentage from coalition: 75%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Rio Tinto	Light-Duty	CNG	51	17,132 GGE	12,206 gal	15.8 tons
<p>Market: Corporate Fleet  Vehicle type: Pickup/SUV/Van  Percentage from coalition: 75%  National Clean Fleets Partnership: No  2019 Verified Numbers</p>						
Rio Tinto	Light-Duty	CNG	4	420 GGE	299 gal	0.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City	Heavy-Duty	CNG	66	222,471 GGE	200,224 gal	168.6 tons
<b>Market:</b> Government - Local <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City	Heavy-Duty	CNG	31	100% of time	254,967 gal	214.7 tons
<b>Miles traveled per vehicle:</b> 22,300 mi <b>Average vehicle fuel economy:</b> 3 MPGde <b>Market:</b> Government - Local <b>Vehicle type:</b> Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 numbers verified</i>						
Salt Lake City	Light-Duty	Biodiesel (5%)	595	409,814 gal	26,212 gal	239.9 tons
<b>Market:</b> Government - Local <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 verified. All biodiesel vehicles in this fleet alternative B5 (6 mos of the year) B20 (6 mos of the year). They reported total GGE dispensed for both blends. Reporting their light duty numbers with B5 and their heavy duty numbers with B20.</i>						
Salt Lake City International Airport	Heavy-Duty	Biodiesel (20%)	44	1,490 gal	318 gal	2.8 tons
<b>Market:</b> Airport <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City International Airport	Heavy-Duty	Biodiesel (20%)	69	1,841 gal	393 gal	3.4 tons
<b>Market:</b> Airport <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City International Airport	Heavy-Duty	CNG	43	427,507 GGE	384,756 gal	324.0 tons
<b>Market:</b> Airport <b>Vehicle type:</b> Bus: Transit <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City International Airport	Heavy-Duty	CNG	9	13,336 GGE	12,002 gal	10.1 tons
<b>Market:</b> Airport <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2018 Verified Numbers</i>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Salt Lake City International Airport	Light-Duty	Biodiesel (20%)	14	328 gal	84 gal	0.8 tons
<b>Market:</b> Airport <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake Community College	Heavy-Duty	CNG	5	100% of time	7,266 gal	6.1 tons
<b>Miles traveled per vehicle:</b> 12,958 mi <b>Average vehicle fuel economy:</b> 7 MPGde <b>Market:</b> Government - State <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake Community College	Heavy-Duty	Renewable Diesel	6	100% of time	9,895 gal	86.7 tons
<b>Miles traveled per vehicle:</b> 13,116 mi <b>Average vehicle fuel economy:</b> 7 MPG <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: Shuttle <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake Community College	Light-Duty	Biodiesel (20%)	12	100% of time	3,958 gal	36.2 tons
<b>Miles traveled per vehicle:</b> 13,116 mi <b>Average vehicle fuel economy:</b> 7 MPG <b>Market:</b> Government - State <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake Community College	Light-Duty	CNG	21	100% of time	10,743 gal	13.9 tons
<b>Miles traveled per vehicle:</b> 11,712 mi <b>Average vehicle fuel economy:</b> 17 MPGge <b>Market:</b> Government - State <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake County Fleet	Heavy-Duty	CNG	51	100% of time	733,589 gal	617.7 tons
<b>Miles traveled per vehicle:</b> 26,000 mi <b>Average vehicle fuel economy:</b> 2 MPGde <b>Market:</b> Government - Local <b>Vehicle type:</b> Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers. They own their own CNG station.</i>						
Schwan's - Propane	Heavy-Duty	Propane	19	75,084 gal	51,155 gal	20.1 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> Yes <i>Includes 2 Light HD Class 3 vehicles.</i>						
Semi-Service	Light-Duty	CNG	164	90,490 GGE	85,966 gal	111.4 tons
<b>Market:</b> General/Unknown <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>90,490 GGE dispensed. This fuel usage is attributed to the general public of which there are over 15000 registered CNG vehicle (the total numbers).  Dominion energy only reported their own CNG stations.</i>						
Sysco	Heavy-Duty	CNG	5	7,024 GGE	6,322 gal	5.3 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: Semi-trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Numbers Verified</i>						
Unitah School District	Heavy-Duty	CNG	17	100% of time	23,283 gal	19.6 tons
<b>Miles traveled per vehicle:</b> 17,329 mi <b>Average vehicle fuel economy:</b> 7 MPGde <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: School <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
University of Utah	Heavy-Duty	CNG	16	100% of time	38,606 gal	32.5 tons
<b>Miles traveled per vehicle:</b> 22,679 mi <b>Average vehicle fuel economy:</b> 8 MPGde <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: Shuttle <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers.</i>						
University of Utah	Light-Duty	E85 (blender pump)	33	85% of time	3,481 gal	13.6 tons
<b>Miles traveled per vehicle:</b> 6,500 mi <b>Average vehicle fuel economy:</b> 23 MPG <b>Market:</b> Government - State <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
University of Utah	Light-Duty	E85 (blender pump)	9	85% of time	949 gal	3.7 tons
<b>Miles traveled per vehicle:</b> 6,500 mi <b>Average vehicle fuel economy:</b> 23 MPG <b>Market:</b> Government - State <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
UPS - Heavy-duty CNG	Heavy-Duty	CNG	151	983,651 GGE	885,286 gal	745.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> Yes <i>This includes class 4-6 package delivery trucks and class 7-8 tractors</i>						
UTA	Heavy-Duty	CNG	47	472,313 GGE	318,811 gal	268.4 tons
<b>Market:</b> Commuters <b>Vehicle type:</b> Bus: Transit <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2018 Verified Numbers.</i>						
Utah Food Services	Light-Duty	Propane	7	3,362 gal	2,545 gal	3.6 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Washington City	Light-Duty	CNG	28	1,294 GGE	1,229 gal	1.6 tons
<b>Market:</b> Government - Local <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers.</i>						
Waste Management - Heavy-duty CNG	Heavy-Duty	CNG	77	564,307 GGE	507,877 gal	427.6 tons
<b>Market:</b> Corporate Fleet <b>Vehicle type:</b> Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> Yes						
Weber State University	Heavy-Duty	CNG	6	35% of time	3,840 gal	3.2 tons
<b>Miles traveled per vehicle:</b> 13,000 mi <b>Average vehicle fuel economy:</b> 6 MPGde <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: Shuttle <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Weber State University	Light-Duty	CNG	1	50% of time	100 gal	0.1 tons
<b>Miles traveled per vehicle:</b> 4,000 mi <b>Average vehicle fuel economy:</b> 15 MPGge <b>Market:</b> Government - State <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Zion National Park	Heavy-Duty	Propane	39	283,021 gal	144,617 gal	56.7 tons
<b>Market:</b> National Parks <b>Vehicle type:</b> Bus: Shuttle <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
<b>Total:</b>			<b>7,599</b>		<b>7,310,140 gal</b>	<b>10,518 tons</b>

## Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Dixie National Forest Average vehicle fuel economy: 41 MPG Miles traveled per vehicle per year: 11,236 mi Market: National Parks Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - 2017 Verified Numbers	Light-Duty	HEV	1	154 gal	1.9 tons
Hill Air Force Base Average vehicle fuel economy: 73 MPG Miles traveled per vehicle per year: 9,000 mi Market: Government - Federal Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - 2019 Verified Numbers	Light-Duty	PHEV	1	252 gal	1.3 tons
Intermountain Healthcare Average vehicle fuel economy: 37 MPG Miles traveled per vehicle per year: 58,300 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - These vehicles are used for Courier high mileage vehicles that travel 365 days/yr- same as 2016 verified	Light-Duty	PHEV	2	1,372 gal	7.1 tons
Packsizes Miles traveled per vehicle per year: 7,958 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - 2019 Verified Numbers	Light-Duty	Electric	10	3,430 gal	17.8 tons
Packsizes Average vehicle fuel economy: 47 MPG Miles traveled per vehicle per year: 16,731 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - 2019 Verified Numbers	Light-Duty	HEV	58	21,181 gal	260.9 tons
Packsizes Average vehicle fuel economy: 59 MPG Miles traveled per vehicle per year: 9,441 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - 2019 Verified Numbers	Light-Duty	PHEV	59	14,568 gal	75.7 tons
Park City	Heavy-Duty	Electric	12	136,048 gal	544.7 tons



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p><b>Average electric fuel economy:</b> 167 kWh/100mi  <b>Miles traveled per vehicle per year:</b> 34,012 mi  <b>Market:</b> Government - Local  <b>Vehicle type:</b> Bus: Transit  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Rio Tinto	Light-Duty	PHEV	1	12 gal	0.1 tons
<p><b>Average vehicle fuel economy:</b> 25 MPG  <b>Miles traveled per vehicle per year:</b> 3,782 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Pickup/SUV/Van  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Rio Tinto	Light-Duty	PHEV	1	124 gal	0.6 tons
<p><b>Average vehicle fuel economy:</b> 46 MPG  <b>Miles traveled per vehicle per year:</b> 5,819 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Rocky Mountain Power	Heavy-Duty	PHEV	23	32,775 gal	131.2 tons
<p><b>Average vehicle fuel economy:</b> 10 MPG  <b>Miles traveled per vehicle per year:</b> 25,000 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Truck: No Trailer  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2018 Verified Numbers</p>					
Rocky Mountain Power	Light-Duty	PHEV	4	591 gal	3.1 tons
<p><b>Average vehicle fuel economy:</b> 23 MPG  <b>Miles traveled per vehicle per year:</b> 13,138 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 75%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2018 Verified Numbers</p>					
Salt Lake City	Light-Duty	HEV	259	71,928 gal	886.0 tons
<p><b>Average vehicle fuel economy:</b> 58 MPG  <b>Miles traveled per vehicle per year:</b> 11,370 mi  <b>Market:</b> Government - Local  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Salt Lake City	Light-Duty	Electric	31	14,686 gal	76.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<b>Miles traveled per vehicle per year:</b> 11,370 mi <b>Market:</b> Government - Local <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>					
Salt Lake City International Airport	Light-Duty	Electric	4	1,333 gal	6.9 tons
<b>Miles traveled per vehicle per year:</b> 4,000 mi <b>Market:</b> Airport <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>					
Salt Lake City International Airport	Light-Duty	HEV	9	3,675 gal	45.3 tons
<b>Average vehicle fuel economy:</b> 27 MPG <b>Miles traveled per vehicle per year:</b> 20,258 mi <b>Market:</b> Airport <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>					
Salt Lake Community College	Light-Duty	Electric	3	1,066 gal	5.5 tons
<b>Miles traveled per vehicle per year:</b> 11,370 mi <b>Market:</b> Government - State <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>					
Salt Lake Community College	Light-Duty	HEV	7	1,458 gal	18.0 tons
<b>Average vehicle fuel economy:</b> 58 MPG <b>Miles traveled per vehicle per year:</b> 11,370 mi <b>Market:</b> Government - State <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>					
Salt Lake County Environmental Health Department	Light-Duty	HEV	12	1,759 gal	21.7 tons
<b>Average vehicle fuel economy:</b> 51 MPG <b>Miles traveled per vehicle per year:</b> 9,600 mi <b>Market:</b> Government - Local <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2018 Verified Numbers</i>					
Salt Lake County Fleet	Light-Duty	Electric	4	667 gal	3.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p><b>Average electric fuel economy:</b> 25 kWh/100mi  <b>Miles traveled per vehicle per year:</b> 4,000 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Salt Lake County Fleet	Light-Duty	HEV	51	6,375 gal	78.5 tons
<p><b>Average vehicle fuel economy:</b> 30 MPG  <b>Miles traveled per vehicle per year:</b> 15,000 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Salt Lake County Fleet	Light-Duty	PHEV	1	52 gal	0.3 tons
<p><b>Average vehicle fuel economy:</b> 35 MPG  <b>Miles traveled per vehicle per year:</b> 4,000 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
Snowbird	Heavy-Duty	Electric	1	238 gal	1.0 tons
<p><b>Miles traveled per vehicle per year:</b> 11,048 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Bus: Shuttle  <b>Percentage from coalition:</b> 50%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
University of Utah	Light-Duty	HEV	30	7,391 gal	91.0 tons
<p><b>Average vehicle fuel economy:</b> 50 MPG  <b>Miles traveled per vehicle per year:</b> 11,370 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
University of Utah	Light-Duty	Electric	3	1,421 gal	7.4 tons
<p><b>Miles traveled per vehicle per year:</b> 11,370 mi  <b>Market:</b> Corporate Fleet  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No  <b>Workplace Charging Challenge:</b> -  2019 Verified Numbers</p>					
University of Utah	Light-Duty	PHEV	2	555 gal	2.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p><b>Average vehicle fuel economy: 58 MPG</b>  <b>Miles traveled per vehicle per year: 11,370 mi</b>  <b>Market: Corporate Fleet</b>  <b>Vehicle type: Car</b>  <b>Percentage from coalition: 100%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2019 Verified Numbers</i></p>					
Utah Paper Box	Light-Duty	Electric	50	4,738 gal	24.6 tons
<p><b>Average electric fuel economy: 25 kWh/100mi</b>  <b>Miles traveled per vehicle per year: 11,370 mi</b>  <b>Market: Commuters</b>  <b>Vehicle type: Car</b>  <b>Percentage from coalition: 20%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2018 Verified Numbers</i></p>					
Utah Public	Light-Duty	Electric	2,695	258,886 gal	1,345.6 tons
<p><b>Average electric fuel economy: 30 kWh/100mi</b>  <b>Miles traveled per vehicle per year: 11,244 mi</b>  <b>Market: General/Unknown</b>  <b>Vehicle type: Car</b>  <b>Percentage from coalition: 20%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2019 Verified Numbers-- We subtracted the all the fleet reported numbers from over 3,588 EVs. These vehicles most likely represent the public. UCCC has worked extensively to promote EVs through the work of our EV task force and partner organization Leaders for Clean Air. We have also assisted with the installation of EVSE through grant work. To capture that effort we are reporting on registered EV vehicles in Utah 20% contribution.</i></p>					
Utah Public	Light-Duty	PHEV	1,280	54,424 gal	282.9 tons
<p><b>Average vehicle fuel economy: 42 MPG</b>  <b>Miles traveled per vehicle per year: 11,244 mi</b>  <b>Market: General/Unknown</b>  <b>Vehicle type: Car</b>  <b>Percentage from coalition: 20%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2019 Verified Numbers-- We subtracted the all the fleet reported numbers from over 3,588 EVs. These vehicles most likely represent the public. UCCC has worked extensively to promote EVs through the work of our EV task force and partner organization Leaders for Clean Air. We have also assisted with the installation of EVSE through grant work. To capture that effort we are reporting on registered EV vehicles in Utah 20% contribution.</i></p>					
Utah Transit Authority	Heavy-Duty	Electric	3	3,365 gal	13.5 tons
<p><b>Electricity used: 30,486 kWh</b>  <b>Market: Government - Local</b>  <b>Vehicle type: Bus: Transit</b>  <b>Percentage from coalition: 100%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2019 Verified Numbers</i></p>					
Utah Transit Authority	Heavy-Duty	HEV	54	255,682 gal	3,149.4 tons
<p><b>Average vehicle fuel economy: 5 MPG</b>  <b>Miles traveled per vehicle per year: 45,467 mi</b>  <b>Market: Government - Local</b>  <b>Vehicle type: Bus: Transit</b>  <b>Percentage from coalition: 100%</b>  <b>National Clean Fleets Partnership: No</b>  <b>Workplace Charging Challenge: -</b></p> <p><i>2019 Verified Numbers</i></p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Weber State University <b>Miles traveled per vehicle per year:</b> 24,000 mi <b>Market:</b> Government - State <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	Electric	2	1,500 gal	7.8 tons
Weber State University <b>Average vehicle fuel economy:</b> 42 MPG <b>Miles traveled per vehicle per year:</b> 4,500 mi <b>Market:</b> Government - State <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	PHEV	6	216 gal	1.1 tons
Zion National Park <b>Average electric fuel economy:</b> 11 kWh/100mi <b>Miles traveled per vehicle per year:</b> 500 mi <b>Market:</b> National Parks <b>Vehicle type:</b> Low-Speed/Neighborhood <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	Electric	2	32 gal	0.2 tons
Zion National Park <b>Average vehicle fuel economy:</b> 42 MPG <b>Miles traveled per vehicle per year:</b> 1,416 mi <b>Market:</b> National Parks <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	HEV	5	88 gal	1.1 tons
Zion National Park <b>Average vehicle fuel economy:</b> 30 MPG <b>Miles traveled per vehicle per year:</b> 3,406 mi <b>Market:</b> National Parks <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	HEV	5	275 gal	3.4 tons
Zion National Park <b>Average vehicle fuel economy:</b> 68 MPG <b>Miles traveled per vehicle per year:</b> 7,600 mi <b>Market:</b> National Parks <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 65% <b>National Clean Fleets Partnership:</b> No <b>Workplace Charging Challenge:</b> - <i>2019 Verified Numbers</i>	Light-Duty	PHEV	2	281 gal	1.5 tons
<b>Total:</b>			<b>4,693</b>	<b>902,599 gal</b>	<b>7,120 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
ACE Disposal	Forklifts	Alternative fuel or vehicles	Electric	2	509 gal	2.0 tons
<b>Fuel used:</b> 6,000 kWh <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
ACE Disposal	Forklifts	Alternative fuel or vehicles	Propane	1	1,363 gal	0.5 tons
<b>Fuel used:</b> 2,000 gal <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City International Airport	Construction equipment	Alternative fuel or vehicles	Electric	36	21 gal	0.1 tons
<b>Fuel used:</b> 250 kWh <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City International Airport	Forklifts	Alternative fuel or vehicles	Propane	10	354 gal	0.1 tons
<b>Fuel used:</b> 520 gal <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Utah Transit Authority	Railroads	Idle reduction	Gasoline	18	77,079 gal	949.4 tons
<b>Fuel reduced:</b> 77,079 gal <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>UTA's Trax Service - Salt Lake County mpg is calculated using GGE</i>						
Weber State University	Landscaping and lawn equipment	Alternative fuel or vehicles	Electric	1	33 gal	0.1 tons
<b>Fuel used:</b> 520 kWh <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
<b>Total:</b>				<b>68</b>	<b>79,360 gal</b>	<b>952 tons</b>

## FUEL ECONOMY

### Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Canyons School District	4 MPG	6 MPG	178	10,000 mi	173,781 gal	2,154.9 tons
<b>Method:</b> Vehicle - More efficient <b>Vehicle class:</b> Heavy-Duty <b>Market:</b> Government - Local <b>Vehicle type:</b> Bus: School <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>						
Salt Lake City	25 MPG	58 MPG	259	8,500 mi	50,103 gal	617.2 tons

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
<b>Method:</b> Vehicle - More efficient <b>Vehicle class:</b> Light-Duty <b>Market:</b> Government - Local <b>Vehicle type:</b> Car <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 continued project						
Salt Lake City International Airport	15 MPG	26 MPG	6	18,000 mi	3,046 gal	37.5 tons
<b>Method:</b> Vehicle - Smaller <b>Vehicle class:</b> Light-Duty <b>Market:</b> Airport <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Salt Lake City International Airport	15 MPG	22 MPG	15	12,000 mi	2,947 gal	36.5 tons
<b>Method:</b> Vehicle - Switch to diesel <b>Vehicle class:</b> Heavy-Duty <b>Market:</b> Airport <b>Vehicle type:</b> Truck: No Trailer <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						
Salt Lake County	30 MPG	30 MPG	221	10,000 mi	0 gal	0.0 tons
<b>Method:</b> Telematics <b>Vehicle class:</b> Light-Duty <b>Market:</b> Government - Local <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Telematics project						
Salt Lake County	10 MPG	15 MPG	51	26,000 mi	48,906 gal	606.4 tons
<b>Method:</b> Telematics <b>Vehicle class:</b> Heavy-Duty <b>Market:</b> Government - Local <b>Vehicle type:</b> Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Numbers						
UTA	5 MPG	5 MPG	507	39,832 mi	27,977 gal	346.9 tons
<b>Method:</b> Driver training <b>Vehicle class:</b> Heavy-Duty <b>Market:</b> Commuters <b>Vehicle type:</b> Bus: Transit <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No 2019 Continued						
Weber State University	11 MPG	18 MPG	1	4,300 mi	114 gal	1.4 tons
<b>Method:</b> Cylinder deactivation <b>Vehicle class:</b> Light-Duty <b>Market:</b> Government - State <b>Vehicle type:</b> Pickup/SUV/Van <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No 2019 Verified Numbers						

<b>Total:</b>	<b>Previous Fuel</b>	<b>Current Fuel</b>	<b>Number of Vehicles</b>	<b>Miles Traveled per Vehicle</b>	<b>306,874 gal</b>	<b>3,801 tons</b>
<b>Fleet Name</b>					<b>GGE Reduced</b>	<b>GHG Reduced</b>

## Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Utah Food Services	Telecommute	Light-Duty	1,624 gal	20.0 tons
<b>Fuel type of vehicles driven less:</b> Gasoline <b>Fuel economy of vehicles driven less:</b> 24 MPG <b>Number of vehicles driven less:</b> 16 <b>VMT project per vehicle being driven less:</b> 2,436 mi <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>				
<b>Total:</b>			<b>1,624 gal</b>	<b>20 tons</b>

## IDLE REDUCTION

### Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
ACE Recycling	144	360 mins/day 365 days/year	1 gal/hr	418,723 gal	5,192.2 tons
<b>Type of project:</b> Automatic engine shutoff <b>Type of vehicle:</b> Heavy-Duty - Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 verified numbers</i>					
Canyons School District	178	10 mins/day 180 days/year	0 gal/hr	768 gal	9.5 tons
<b>Type of project:</b> Automatic engine shutoff <b>Type of vehicle:</b> Heavy-Duty - Bus: School <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>Continued in 2019</i>					
Idle Reduction Ordinance- Cottonwood Heights	25,064	3 mins/day 365 days/year	0 gal/hr	59,922 gal	743.0 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Idle Reduction Ordinance- Draper City, UT	51,085	3 mins/day 365 days/year	0 gal/hr	122,131 gal	1,514.5 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Idle Reduction Ordinance- Holladay, UT	23,031	3 mins/day 365 days/year	0 gal/hr	55,061 gal	682.8 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					



Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Idle Reduction Ordinance- Logan City <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	31,000	5 mins/day 365 days/year	0 gal/hr	275,803 gal	3,420.0 tons
Idle Reduction Ordinance- Park City <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	5,634	3 mins/day 365 days/year	0 gal/hr	13,469 gal	167.0 tons
Idle Reduction Ordinance- Salt Lake City <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	147,883	3 mins/day 365 days/year	0 gal/hr	353,551 gal	4,384.1 tons
Idle Reduction Ordinance- Sandy City, UT <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	65,322	3 mins/day 365 days/year	0 gal/hr	156,169 gal	1,936.5 tons
Idle Reduction Ordinance- Town of Alta <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	288	3 mins/day 365 days/year	0 gal/hr	689 gal	8.5 tons
Idle Reduction Policy - Zion National Park <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 90% <b>National Clean Fleets Partnership:</b> No <i>20,000 vehicles every day of the year is less than half of total visitors (&lt;40%), and all visitors are able to receive idle free educational material upon entry and see information online. As well as park signage.</i> <i>2019 Verified Numbers</i>	20,000	5 mins/day 365 days/year	0 gal/hr	143,445 gal	1,778.7 tons
Idle Reduction Regulation- Salt Lake County <b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>	453,365	2 mins/day 365 days/year	0 gal/hr	722,588 gal	8,960.2 tons
Idling Reduction Ordinance- Murray City	37,250	3 mins/day 365 days/year	0 gal/hr	132,563 gal	1,643.8 tons

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 50% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Intermountain Health Care	195	5 mins/day 365 days/year	0 gal/hr	1,735 gal	21.5 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2018 Verified Numbers</i>					
Jordan School District	115	20 mins/day 227 days/year	0 gal/hr	2,872 gal	35.6 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Heavy-Duty - Bus: School <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Jordan School District	260	7 mins/day 227 days/year	0 gal/hr	2,272 gal	28.2 tons
<b>Type of project:</b> Driver training <b>Type of vehicle:</b> Heavy-Duty - Bus: School <b>Percentage from coalition:</b> 75% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Lancer Energy	6	3 mins/day 180 days/year	0 gal/hr	24 gal	0.3 tons
<b>Type of project:</b> Other <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					
Momentum Recycling	11	30 mins/day 365 days/year	1 gal/hr	2,409 gal	29.9 tons
<b>Type of project:</b> Other <b>Type of vehicle:</b> Heavy-Duty - Truck: Refuse <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Project started- will be continued as they are seeing large improvements</i>					
Rio Tinto	423	373 mins/day 365 days/year	3 gal/hr	2,879,467 gal	35,705.9 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>Kennecott reports to UCCC in total GGE Reduced. 2019 Verified Numbers</i>					
Salt Lake Airport	744	30 mins/day 365 days/year	0 gal/hr	47,523 gal	589.3 tons
<b>Type of project:</b> Policies <b>Type of vehicle:</b> Light-Duty <b>Percentage from coalition:</b> 100% <b>National Clean Fleets Partnership:</b> No <i>2019 Verified Numbers</i>					