

# UTA 2019 Sustainability Summary\*



**-2.7%** Electricity For Facilities

**+15%** Natural Gas For Facilities

**-1.5%** Transit Vehicle Fuel Use

**-2.6%** Passenger Emissions

**-21%** Fleet Emissions



**-0.23%** Greenhouse Gas Emissions

**+3** Electric Buses Deployed For Service

**+1** Locomotives Upgraded To Tier II

**1,323 LnF** Hg Lamps Recycled

**1,250 Lbs** Ni-Cd Batteries Recycled

**-33%** Hazardous Waste Generation





## Electricity For Facilities

Best management practices and energy efficient technologies helped reduce energy usage at UTA.



## Natural Gas For Facilities

The increase in natural gas is due to a colder winter resulting in a higher need to heat buildings, offices, and vehicle maintenance facilities.



## Transit Vehicle Fuel Use

The amount of fuel and power used for revenue service vehicles, including buses, FrontRunner, TRAX, and rideshare vans, decreased as a result of improved vehicle fuel efficiency and less idling by operators .



## Passenger Emissions

UTA ridership increased by 1.5% from 2018 to 2019. The number shown represents air pollution emission net savings by riders who choose to ride transit. Air pollutants include nitrogen oxide (NOx), hydrocarbons, carbon monoxide, particulate matter, and sulfur oxides (SO2).



## Fleet Emissions

Bus fleet emissions declined due to the acquisition of newer buses that meet current EPA emission standards for NOx and particulate matter.



## Greenhouse Gas Emissions

Improved vehicle maintenance reduced greenhouse gas emissions, which are normalized per UTA revenue vehicle mile traveled (i.e. UTA Bus, FrontRunner, TRAX, and Rideshare vans).



## Electric Buses Deployed For Service

The first 3 electric buses of UTA's planned electric vehicle fleet to diversify their fuel options began operating in 2019.



## Locomotives Upgraded To Tier II

The first of eighteen FrontRunner engines was upgraded from EPA emission standard level Tier 1 to level Tier 2 resulting in a 29% reduction in air pollutant emissions per engine.



## Hg Lamps Recycled

UTA installed fluorescent lamp fixtures throughout their facilities to improve energy efficiency. This number represents the linear feet of fluorescent lamps containing mercury that were recycled.



## Ni-Cd Batteries Recycled

This number represents the number of nickel-cadmium batteries recycled from FrontRunner passenger cars used for lighting, electrical outlets, heating, and air conditioning for passenger comfort.



## Hazardous Waste Generation

The amount of hazardous waste generated by UTA's vehicle maintenance and body shop repair (e.g. paint) declined due to more efficient use of paint related materials.

