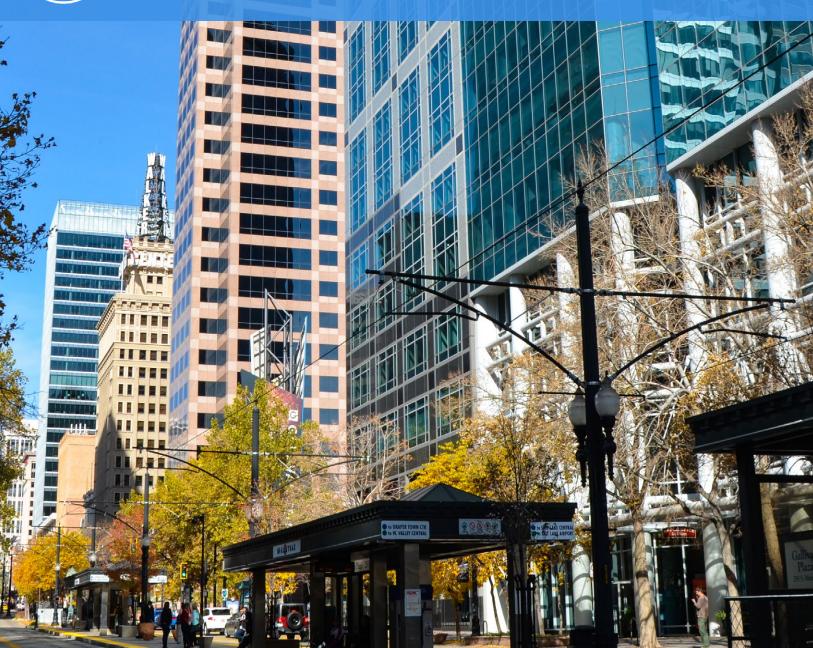




SALT LAKE CITY CORPORATION

2017 MUNICIPAL BENCHMARKING & GREENHOUSE GAS EMISSIONS



UNDERSTANDING THIS REPORT

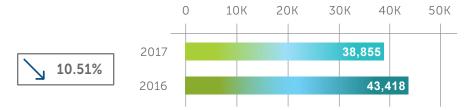
Annual benchmarking of City facilities is broken down by department. First, the 2017 annual greenhouse gas emissions are given, with a percent increase or decrease from 2016. Under each department heading, applicable Tier 1-3 facilities are listed. For each facility, the weather-normalized source EUI is given for the two most current years (2016 - 2017). Represented graphically are both year-over-year fuel data and the 2017 emissions mix for each department.

TIER 1 - 3 FACILITY EUI

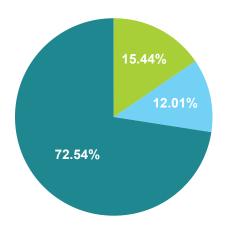


Facilities are listed for each department that are considered Tier 1-3 in size (greater than 3,000 square feet); each facility's EUI for years 2016 and 2017 are listed beside the facility name. The higher the EUI, the more energy intensive a building is, based on several variables. EUI takes into account electricity and natural gas consumption for each facility. The current year ENERGY STAR score is listed under the facility name, where available.

EMISSIONS: ELECTRICITY, NATURAL GAS, OR FLEET



Under each Department Summary, three charts detail year-over-year emissions for electricity, natural gas, and fleet, following the color guide above. The units listed on the horizontal axis are metric-tonnes CO2-equivalent, the standard measure for greenhouse gas emissions. To the left of the chart is a percentage that describes the change in emissions from 2016 to 2017, denoted by a directional arrow.



MUNICIPAL GREENHOUSE GAS EMISSIONS BREAKDOWN

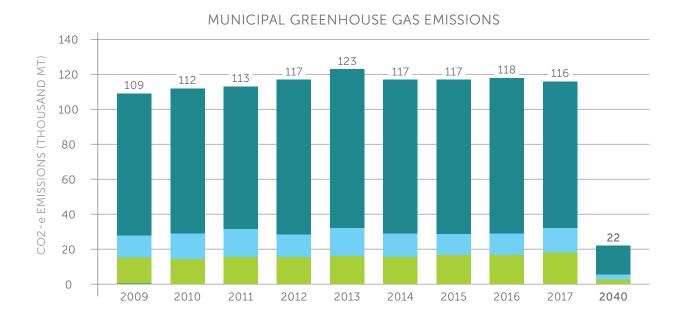
The graphic at the left describes annual GHG emissions mix at the department level for 2017. The three energy fuel types are electricity, natural gas, and vehicle fuel. Vehicle fuel data totals emissions from the City's vehicle fleet that operate using compressed natural gas, diesel, biodiesel, unleaded gasoline, and premium gasoline. The fleet considers automobiles as well as light- and heavy-duty equipment.

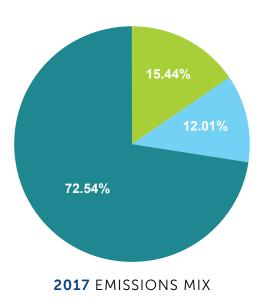


MUNICIPAL GREENHOUSE GAS EMISSIONS

SALT LAKE CITY CORPORATION

Salt Lake City Corporation primarily generates greenhouse gas emissions through electricity, natural gas, and vehicle fuel use. Three largest departments produce more than 86% of municipal greenhouse gas emissions: Airport (45.1%), Public Utilities (21.97%), and Public Services (19.12%). Greenhouse gas emissions from 2009 through 2017 are represented below, as well as the 2040 emissions target. Salt Lake City intends to achieve its 2040 goal through efforts in stride with long-term goals: 50% renewable municipal electricity by 2020, 100% renewable energy by 2032, and an 80% reduction in GHG emissions from the 2009 baseline by 2040.





The City has a 2040 goal of reducing municipal emissions by 80%. In 2017, electricity contributed over 70% of total emissions from building energy for lighting, space heating and cooling, and powering electronics. The vehicle fuel is comprised of emissions from the city's vehicle fleet, which includes automobiles and light- and heavy-duty equipment. The municipal emissions mix from each department illustrates how Salt Lake City's buildings function and operate.

AIRPORTS

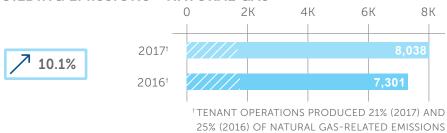
2017 DEPARTMENTAL CO2E EMISSIONS: **52,152.38 MT** | .72% LOWER THAN IN 2016

Click here to visit Airports' Community & Environment Plan.

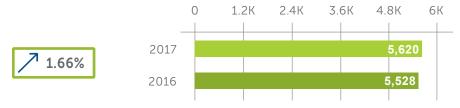
BUILDING EMISSIONS - ELECTRICITY



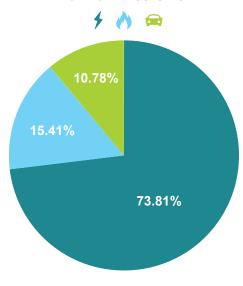
BUILDING EMISSIONS - NATURAL GAS



FLEET EMISSIONS - VEHICLE FUEL



AIRPORTS EMISSIONS MIX



COMMUNITY & NEIGHBORHOODS

2017 DEPARTMENTAL CO2E EMISSIONS: 6,218.07 MT | 3.26% DECREASE FROM 2016

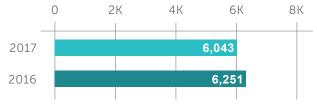
Click here to visit the Community and Neighborhoods homepage.





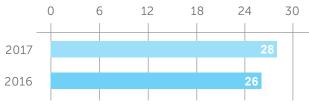
BUILDING EMISSIONS - ELECTRICITY





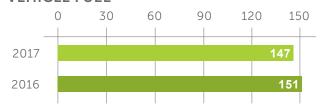
BUILDING EMISSIONS - NATURAL GAS

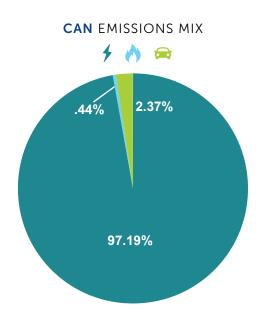




FLEET EMISSIONS - VEHICLE FUEL

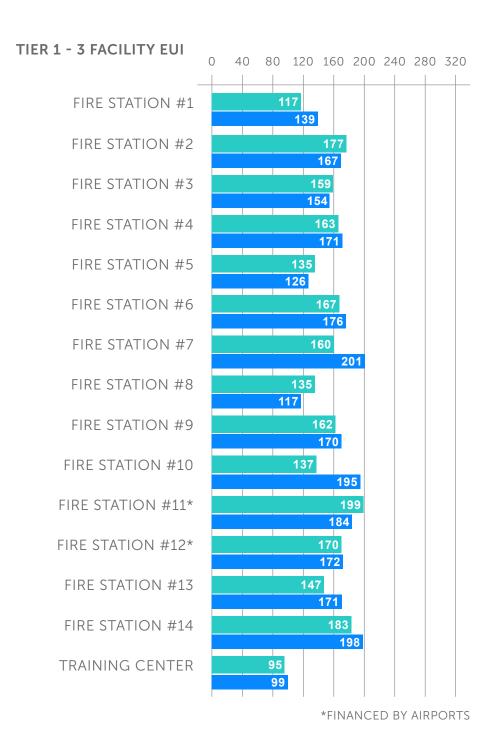






FIRE

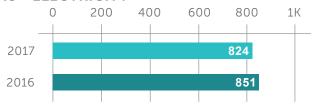
2017 DEPARTMENTAL CO2E EMISSIONS: **2,102.12 mT** | 4.32% DECREASE FROM 2016 Click here to visit the SLC Fire homepage.



FIRE SUMMARY

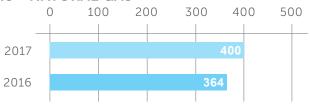
BUILDING EMISSIONS - ELECTRICITY





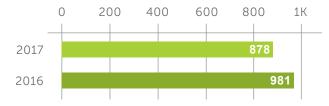
BUILDING EMISSIONS - NATURAL GAS



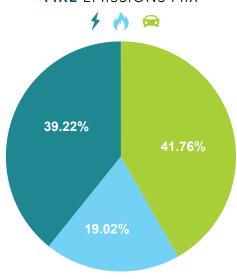


FLEET EMISSIONS - VEHICLE FUEL





FIRE EMISSIONS MIX

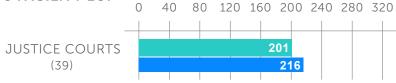


JUSTICE COURTS

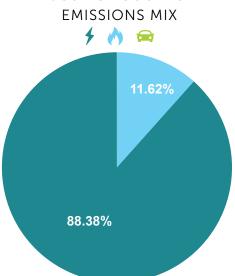
2017 DEPARTMENTAL CO2E EMISSIONS: **304.14 MT** | 6.37% DECREASE FROM 2016

Click here to visit the Justice Courts homepage.





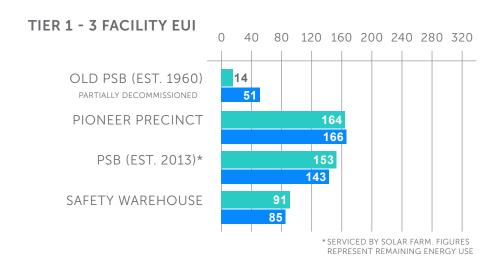
JUSTICE COURTS



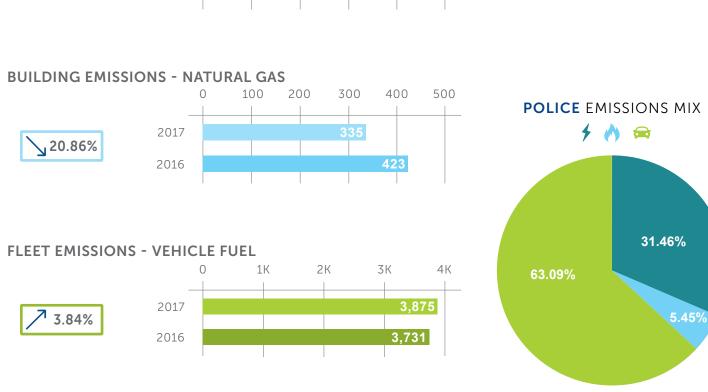
POLICE

2017 DEPARTMENTAL CO2E EMISSIONS: 6,141.88 MT | .51% DECREASE FROM 2016

Click here to visit the Police Department homepage.





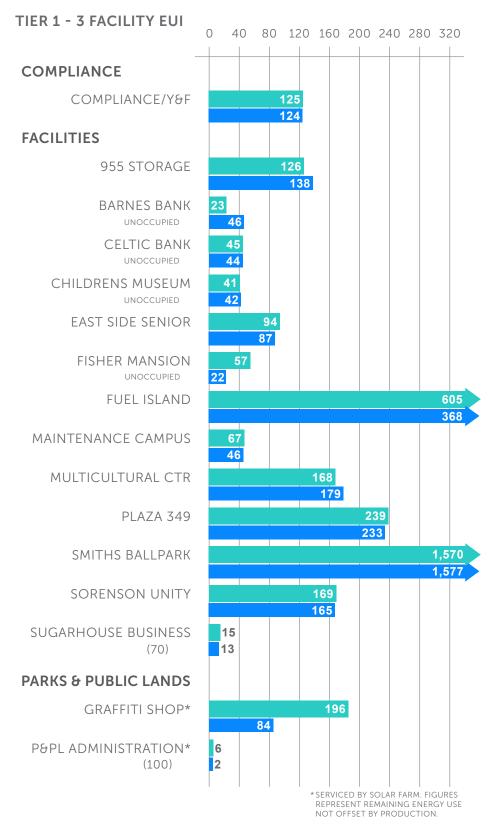


NOT OFFSET BY PRODUCTION.

PUBLIC SERVICES

2017 DEPARTMENTAL CO2E EMISSIONS: 22,111.61 MT | 1.03% DECREASE FROM 2016

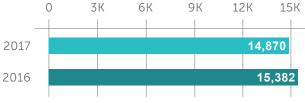
Click here to visit the Public Services homepage.



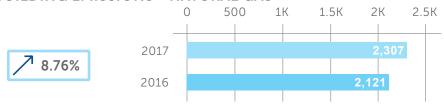
PUBLIC SERVICES SUMMARY

BUILDING EMISSIONS - ELECTRICITY



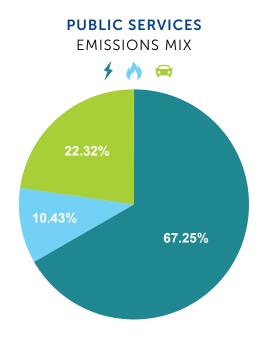


BUILDING EMISSIONS - NATURAL GAS



FLEET EMISSIONS - VEHICLE FUEL

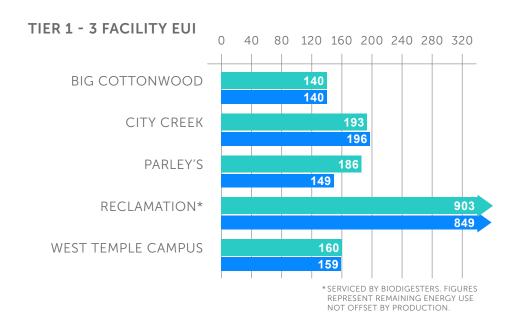


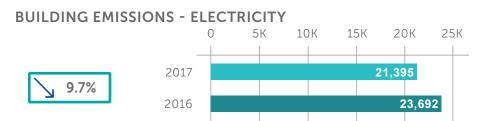


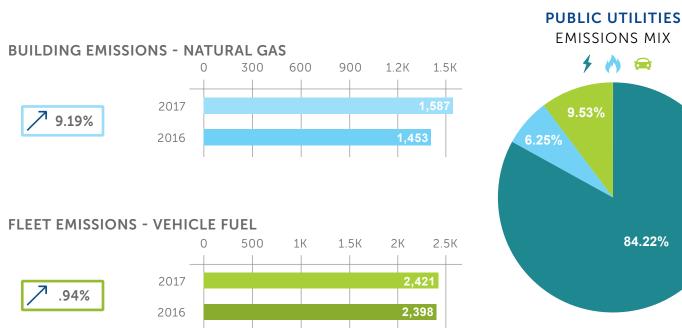
PUBLIC UTILITIES

2017 DEPARTMENTAL CO2E EMISSIONS: 25,403.09 MT | 7.77% DECREASE FROM 2016

Click here to visit the Public Utilities homepage.







CLEAN ENERGY & CLEAN VEHICLES

Salt Lake City is committed to the use of clean energy and fuel to power its facilities and vehicle fleet. Energy production projects have been installed on multiple City facilities, totaling over 5,300 kW. Clean fuel vehicles are becoming more and more common in the City's fleet, with 188 hybrid, compressed natural gas (CNG) and electric vehicles. See below for specific facilities and vehicle types into which the City has invested clean energy and fuels.

MUNICIPAL RENEWABLE ENERGY INSTALLATIONS

Facility	Size of System (kW)
Leonardo Solar	30
Public Safety Building Solar	380
Landfill Solar	904
Plaza 349 Solar	34
Glendale Library Solar	44
Marmalade Library Solar	13.5
Public Utilities Biodigesters	1,400
Subscriber Solar	2,289
Fire Stations 1, 4, 7, 10 13 Solar	30.16 each
Pioneer Precinct Solar	54.52
Regional Athletic Complex Solar	13.92



ALTERNATIVE FUEL VEHICLE FLEET

Salt Lake City Corporation's fleet includes the following alternative fuel vehicles by fuel type:

Compressed natural gas	57
Electric	14
Hybrid	117



DEPARTMENTAL EMISSIONS SUMMARY

All emissions reported in 100 mT CO2-equivalent.

