

# City and County of Denver Municipal Facilities Strategic Energy Plan



## Our Commitment

Climate action leadership is important to the City and County of Denver. Denver has plans to guide the city to a climate-safe future and to make Denver a leader in clean and local energy that comes from the sun, wind, and other innovative renewable technologies. As Denver moves towards a carbon-free energy future, one goal is to achieve 100 percent renewable electricity for municipal buildings by 2025. This commitment will help Denver to serve as an example of climate action for the broader community.

## About this Plan

The City and County of Denver's Strategic Energy Planning Team includes members from a wide variety of departments/agencies across the city, and is led by the Department of General Services. The team worked to develop this Strategic Energy Plan with the help of Xcel Energy's Partners in Energy. The plan lays out a roadmap to achieve the goal of 100 percent renewable electricity for municipal buildings and support Denver's vision of a carbon-free energy future.

Partners in Energy supports communities like the City and County of Denver in planning for and implementing their energy goals.

## Starting Point: 2018 Energy Use



Consumed **112 GWh** of electricity



Represents **256 buildings** & more than **10.7 million** sq.ft.



Annual electricity cost **\$9.5 million**



Generated **1.5 GWh** of renewable energy

*\*Note, this does not include Denver International Airport, Denver Zoo, or streetlights.*



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## Our Strategic Priorities – Your Support

The energy plan has three focus areas that will contribute to the reduction of Denver municipal facilities’ energy footprint and increasing renewable energy supply.

### Energy Efficiency for Existing Buildings

We will achieve energy efficiency in existing buildings by:

- ✓ Performing energy audits on Denver facilities
- ✓ Taking advantage of common energy efficiency opportunities
- ✓ Financing efficiency improvements through different mechanisms

### New Construction

We will mitigate growth in our energy use from new construction by:

- ✓ Striving for net zero energy with all new buildings
- ✓ Achieving LEED Gold Certification on all major new buildings and renovations
- ✓ Using construction best practices to implement the optimal mix of renewable energy and energy efficiency measures

### Renewable Energy Coordination

We will pursue new renewable energy sources through:

- ✓ Participation in Xcel Energy renewable energy programs
- ✓ Advocacy for expanding capacity and/or adding new renewable energy programs through Xcel Energy
- ✓ Installing rooftop solar systems where it makes sense
- ✓ Purchasing renewable energy credits (only if needed)

To access the plan and stay up to date on progress, visit [www.denvergov.org/generalservices](http://www.denvergov.org/generalservices).

## By achieving this plan’s goals, we will:



Save **12.6 GWh** of electricity through energy efficiency



Achieve **100% renewable electricity** for city buildings by 2025



Prevent **62,000 MT CO2e** from being released into the atmosphere – the equivalent of taking more than **13,000 cars<sup>3</sup>** off the road

<sup>3</sup><https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



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