View of New York City skyscrapers. *Photo from Getty Images 545867921*

ComStock™

Commercial Building Stock Energy Consumption Dataset

Highly granular, data-driven decision-making for national, regional, and local building stock

Building Stock Characteristic Database + **Physics-Based Computer Modeling** + **High-Performance Computing**

- DOE-funded, NREL-developed models of the U.S. building stock
- Built on EnergyPlus® and OpenStudio®
- 350,000 models to represent the diversity of the U.S. building stock
- Validated to realistically represent hourly end uses

What's in the Dataset?

Characteristics
- Building Type
- HVAC System Type
- Construction
- Vintage
- Schedules
- Location
- And many more…

End Uses
- HVAC
- Lighting
- Refrigeration
- Water Heating
- Equipment

Data Format
- Individual Load Profiles
- Aggregate Load Profiles
- Individual Building Models
- Metadata

Use the Datasets

- Utility-integrated resource plans and load forecasts
- Electrification planning
- Emissions analysis
- Decarbonization analysis
- Policy and rate design

Access the Datasets

- Datasets are released every six months with upgrade measures and packages
- Access datasets through a web data viewer
- Download the raw datasets
- Contact us via email: ComStock@nrel.gov
- How-to guides and tutorials are available on our website: https://comstock.nrel.gov