Commonwealth Edison (ComEd) partnered with the City of Chicago, Illinois, to participate in the Better Buildings Energy Data Accelerator (EDA).

Implementation Highlights

- ComEd was the first utility in the country to provide aggregate whole-building data to commercial building customers for the express purpose of enabling energy performance benchmarking.

- The 2008 release of ComEd’s Energy Usage Data System (EUDS) as a data access solution was a direct response to the needs of the local real estate community. Prior to EUDS, many property owners sought to benchmark, but could not because of the difficulty in obtaining whole-building consumption data for multi-tenant properties.

- The EUDS tool provided an early example of best practices for data access systems, including:
  - Meter-to-building mapping based on building address; an aggregation threshold to allow the utility to release whole-building data to owners without the need for tenant consent.
  - Portfolio Manager web services to send energy consumption data directly into EPA’s benchmarking tool (web services were not a part of the initial EUDS implementation, but were included in 2009 to increase the functionality of the tool).

- ComEd chose to engage with a vendor partner Calico Energy to build and maintain EUDS.

- The development of EUDS pre-dated Chicago’s commercial building benchmarking ordinance. As such, the existence of a robust data access solution was critical in driving compliance with the ordinance once it was enacted in 2013.

### LOCAL COMMUNITY

| EDA Local Government Partner | Chicago, Illinois |
| Local Benchmarking Programs | City of Chicago ordinance (however, EUDS pre-dates ordinance) |

### UTILITY DATA ACCESS PROGRAM

| Name of Utility Benchmarking/Data Access Program | Energy Usage Data System (EUDS) |
| Types of Utility Customers Receiving Benchmarking Data | Commercial and Multifamily Building Owners |

### ADDRESSING CUSTOMER PRIVACY

- **Method of Balancing Customer Privacy with Data Access**: Aggregation threshold: if 4 or more tenants in building, utility can provide aggregate whole-building data to building owner without explicit tenant authorization. If fewer than 4 tenants, utility must have written authorization from each tenant before providing aggregate whole-building data.

### AGGREGATING AND TRANSFERRING WHOLE-BUILDING DATA

- **Method for Transferring Utility Benchmarking Data to the Building Owner**: Whole-building data delivered directly into Portfolio Manager via web services. Owner can also access whole-building data through online interface and/or spreadsheet output.

- **Method of Mapping Meters/Accounts to Physical Buildings**: Owner enters service address(es); utility identifies associated meters/accounts; owner confirms or edits.

### TYPE OF DATA

| Format of the Data | Portfolio Manager Web Services |
| Temporal and Spatial Granularity of the Data | Monthly, whole-building |

**Key:** ⭐ Best Practice

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**About the Better Buildings Energy Data Accelerator**

DOE’s Better Building Energy Data Accelerator (BBEDA) was a two-year partnership with cities and utilities to improve energy efficiency by making energy data more accessible to building owners. As a result of best practices developed by these partners, 18 utilities serving more than 2.6 million commercial customers nationwide will provide whole-building energy data access to building owners by 2017.

Learn more at [eere.energy.gov/buildings/betterbuildings/accelerators/energy.html](http://eere.energy.gov/buildings/betterbuildings/accelerators/energy.html)