Energy Data Analytics Lab

Satellite assessment of **energy infrastructure** and **climate impacts** for **sustainable development**

Supply

Distributed generation (solar) data at the household-level

Identified rooftop solar

Estimated building energy consumption

2 Demand

Building energy consumption data at the building-level

3 Transmission & Distribution

Grid topology mapped to support development, operations, and maintenance

Duke 🎙

NICHOLAS INSTITUTE

& SUSTAINABILITY

for ENERGY, ENVIRONMENT

Access

Estimated power grid topology

Who has access to electricity and is that access equitable?

Global high-resolution greenhouse gas emissions estimates from buildings





