# Notes: Public tools to Improve Building Energy Efficiency

Presenting Team is composed of:

- Lawrence Berkeley National Laboratory (LBNL)
- Lucid, makers of BuildingUS.com

Public tools are available in 2-D and 3-D online

Examples of the software tools

- City Building Energy Saver
- BenchmarkMybuilding.com

The LBNL and Lucid both collaborated with the Department of Energy to develop this public tools

**CityBES (for cities)** – Benchmarking, energy planning, and retrofit analysis

Main effort to obtain data from different departments with the objective of improving management systems.

Mission: Develop software to measure efficiency and evaluation points of opportunities for savings

Efforts helped establish partnerships and optimize investment through the use of data

Software helps visualize by color coding (comply with ordinance, opportunity for retrofits, upgrade potential

This model can also provide other climate capabilities

**BenchmarkMyBuilding.com** (aim to be interactive)

> 3-D version can be found at CityBES.lgl.gov

This tool is available both in computer and mobile devices (mobile is limited to only 2-D)

The fields required are:

- Building address
- Building type (office, library, etc.)
- Building square footage

The information will be used by software to use data collected by the CBECS and will output the median energy savings benchmark.

The results can be made more precise by providing the energy usage

Based on building law – 25,000 sqr ft building must report data

Another tool is **buildingOS.com**

This can tract data using the utility bills and weather data (utilizes EnergyStar information)

**Questions:**

1.  Are there plans to increase data to water and waste?
    a.  As water is integrated to EnergyStar application and data base, it will also be updated in the tool
2.  Why use this instead of Portfolio Manager?
    a.  Portfolio manager does not provide monetary savings and requires log in until the tools mentioned.
3.  Can you do more than one building?
    a.  Staff at Lucid can help compile information and develop a portfolio of buildings
4.  Is everything private?
    a.  Yes, no records are kept. The collaboration used public dollars and therefore records are not published or stored.