

# Accelerator Monthly Working Call

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# Overview: UBID in Energy Benchmarking Workflow

**Step 0:** City creates UBIDs using building footprints (or parcel footprints)

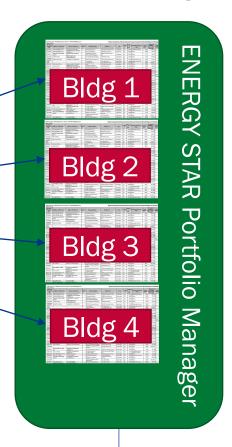
**Step 1:** City publishes covered building list with UBIDs

**Step 2:** Reporters verify UBID using the UBID visualization tool and enter UBID in Portfolio Manager

Assessor
Database
Building
Footprints

**Building Footprint Covered Parcel List** 111 MICHIGAN AVE NW DC USA CO WMATA RE 4900 PUERTO RICO AVE NE **CAPITAL A** MATIONAL Covered ROCK CREE 87C4WXP6+HX2-15-29-16-37 MFS CHILL 87C4XX9P+9PR-20-13-22-14 **Buildings List** JEMAL'S TA With UBID MFS CHILLI **BLAIR ROA** 5909 BLAIR RD NW 6500 PINEY BRANCH RD NW **NAI SATUR** 2440 6TH ST NW HOWARD I 125 MICHIGAN AVE N TRINITY CO 1345 PARK RD NW **TIVOLI PAR** PENN B RE COLUMBIA 0806 CHANNING PL NE

**Step 3**: City updates UBIDs based on submissions





# https://buildingid.pnnl.gov



# **Unique Building** IDENTIFICATION

### **About UBID**

### Home

**Benefited Parties** 

Participate & Contact Us

Downloads

### **Related Links**

**Energy & Environment Directorate** 

Electricity Infrastructure & Buildings Division

### **Contacts**

Webmaster

### Unique Building Identification

City agencies, commercial real estate, and others keep track of a numerous am United States developed local building identification (ID) numbering systems p but these local systems are inadequate for the rising needs of connecting builc sources.

- Project Overview (Office of Energy Efficiency & Renewable Energy)
- GitHub Repository 🗗
- UBID Apps and Examples Website

### Market Needs

As public and private entities collaborate to gain a better understanding of building assets through a variety of tools and services, a major obstacle presents itself across the board: the difficulty of joining various types of data from disparate sources in a single location. Typically, that effort is based solely on address matching strategies—an outdated strategy which often yields low match rates and leaves significant portions of the building stock unaccounted for across multiple data sources.

### Value Proposition

A unique identification system for buildings will provide a standardized framework under which a unifying field is used to match building data from various sources to a single object. It will facilitate data management and sharing by reducing the risk of mismatching or duplicating building data, and it will ease the burden of data exchange.

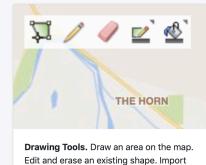
### Unique Building Identification (UBID)

Identify the location and extent of any physical object on the surface of the Earth.

Visit us on GitHub

Learn more

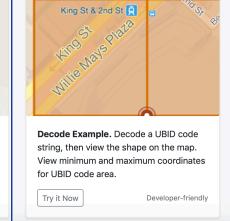
### **UBID Visualizer Tool**



UBID code strings and Well Known Text

strings.

Try it Now



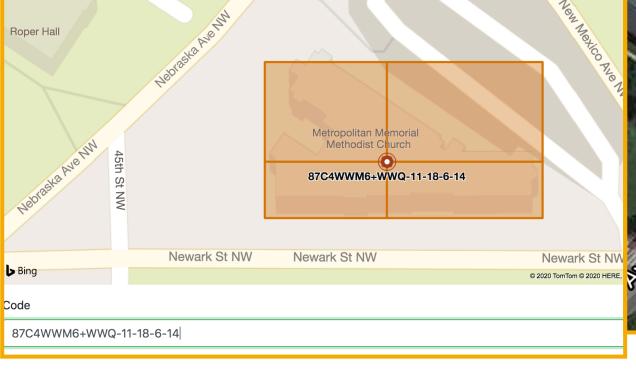




# Washington, DC Examples

Name	Address	UBID(s)	SSL(s)	Note
National United	3401 Nebraska Ave NW,	87C4WWM6+WWQ-11-18-	16010010	1 Building
Methodist Church	Washington, DC 20016	6-14		1 Lot

## Example:



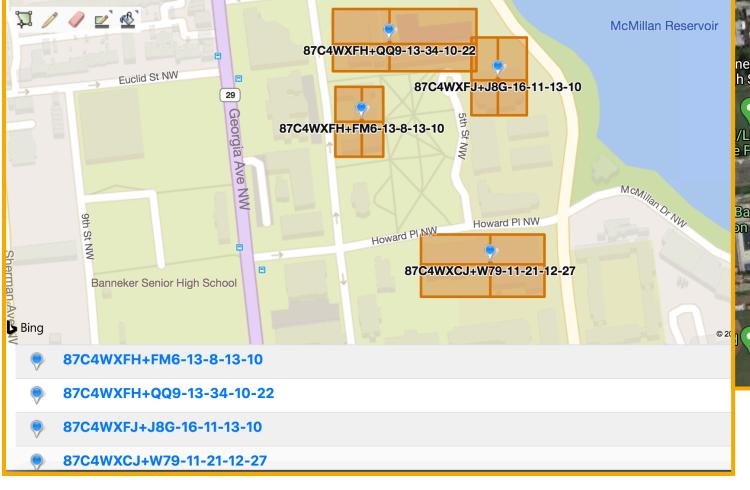


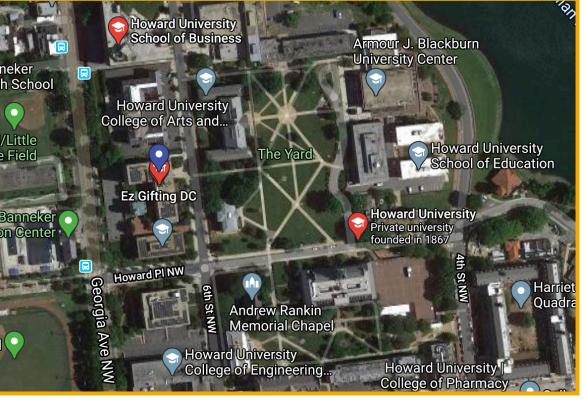


# Washington, DC Examples

Name	Address	UBID(s)	SSL(s)	Note
Howard University	2400 6th St NW,	87C4WXFH+FM6-13-8-13-10; 87C4WXFH+QQ9-		Multiple Buildings 1 Lot
	Washington, DC	13-34-10-22; 87C4WXFJ+J8G-16-11-13-10;	30570092	
	20059	87C4WXCJ+W79-11-21-12-27		

### Example:



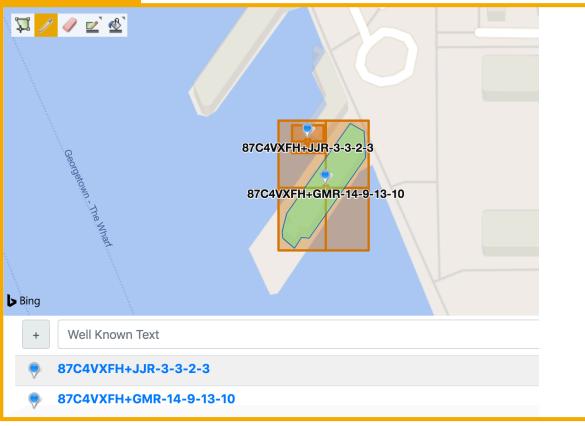


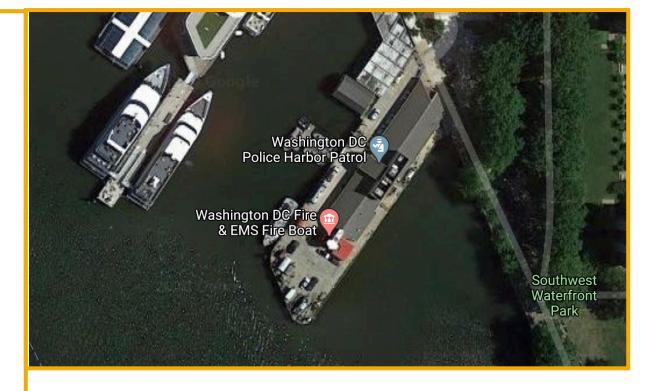


# Washington, DC Examples

Name	Address	UBID(s)	SSL(s)	Note
Near Washington DC Police Harbor Patrol	Near 550 Water St SW Washington, DC 20024	87C4VXFH+JJR-3-3-2-3	N/A	No Lot Assignment & Footprint in Washington Channel

# Example:









# Thank you

