BEDA 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

Step 3: City updates UBIDs based on submissions
Unique Building Identification

City agencies, commercial real estate, and others keep track of a numerous amount of buildings across the United States developed local building identification (ID) numbering systems. While these systems work well for small buildings, they are inadequate for the rising needs of connecting building data 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 Typically, that effort is based solely on address matching strategies—an outdated strategy which often yields low match rates and leaves significant portions of the building stock unaccounted for across multiple data sources.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.

https://buildingid.pnnl.gov
### Washington, DC Examples

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>UBID(s)</th>
<th>SSL(s)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>National United Methodist Church</td>
<td>3401 Nebraska Ave NW, Washington, DC 20016</td>
<td>87C4WWM6+WWQ-11-18-6-14</td>
<td>16010010</td>
<td>1 Building 1 Lot</td>
</tr>
</tbody>
</table>

**Example:**

![Map of National United Methodist Church in Washington, DC]
## Washington, DC Examples

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</thead>
<tbody>
<tr>
<td>Howard University</td>
<td>2400 6th St NW, Washington, DC 20059</td>
<td>87C4WXFH+FM6-13-8-13-10; 87C4WXFH+QQ9-13-34-10-22; 87C4WXFJ+J8G-16-11-13-10; 87C4WXCJ+W79-11-21-12-27 ...</td>
<td>30570092</td>
<td>Multiple Buildings 1 Lot</td>
</tr>
</tbody>
</table>

**Example:**

![Map of Howard University](image-url)
## Washington, DC Examples

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</thead>
<tbody>
<tr>
<td>Near Washington DC</td>
<td>Near 550 Water St SW Washington, DC 20024</td>
<td>87C4VXFH+JJR-3-3-2-3</td>
<td>N/A</td>
<td>No Lot Assignment &amp; Footprint in Washington Channel</td>
</tr>
</tbody>
</table>

### Example:

[Map and Image of near Washington DC Police Harbor Patrol]

- **UBID(s):** 87C4VXFH+JJR-3-3-2-3
- **SSL(s):** N/A

**Note:** No Lot Assignment & Footprint in Washington Channel
Thank you