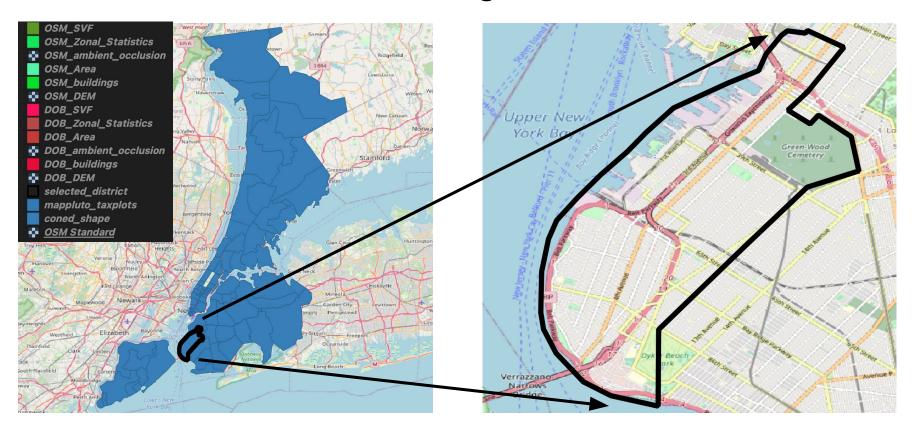
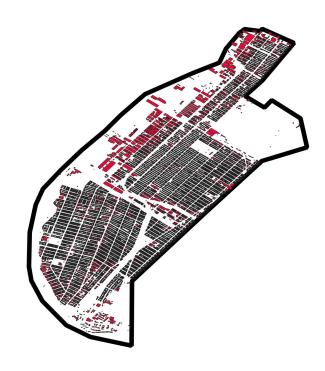


# Selecting ConEd Power District containing Sunset Park, Bayridge, and Fort Hamilton Neighborhoods



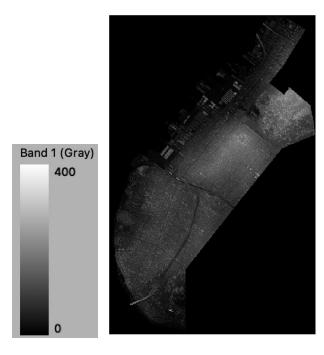
#### **Comparing Building Footprints**

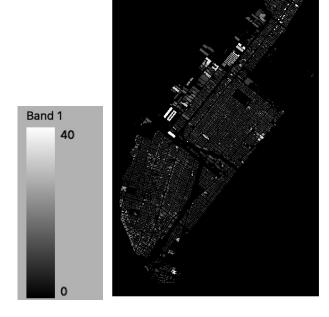




OB OSM

## **Comparing DEMs**





LIDAR DEM OSM DEM

#### **Area Available for Solar Power Generation**

Calculation Method	Area (sq. m)
OSM	4979599.159
OSM SVF	4821248.592
DOB	4966964.473
DOB SVF	2267760.187



### **Calculating Solar Power Potential**

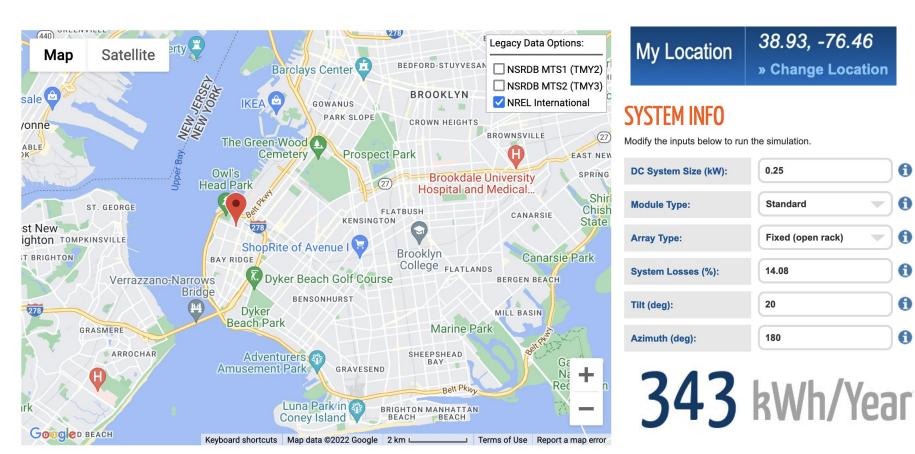
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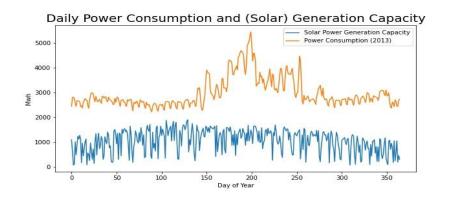
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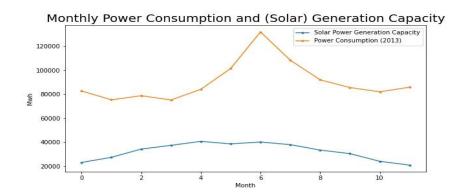
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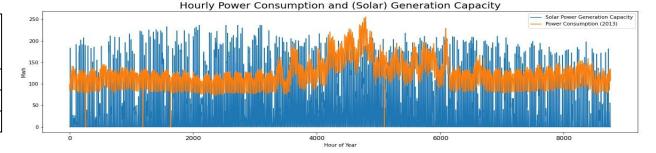


#### **Power Consumption & Solar Power Generation Capacity**





Scale	Fraction of Consumption that Solar Power can Sustain
Monthly	37.40%
Daily	36.50%
Hourly	33.40%



The 2030 target (50% renewable energy) cannot be achieved for this set of neighborhoods using only solar energy. However, it can contribute to a significant portion of the target (around 30%).