

Rooftop Solar Potential Web Application

A User Guide

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Step 1. Access the Rooftop Solar Potential Web Application

Through Experience Builder URL

Input this URL: <https://experience.arcgis.com/experience/346690d2fe47480aabfb9c0a72ef1141/>, into your web browser's search bar.

Through Website URL

Input this URL: <https://andreareid2.github.io/geom99/webBravo/>, into your web browser's search bar. The web application can be found under Final Solution within the website.

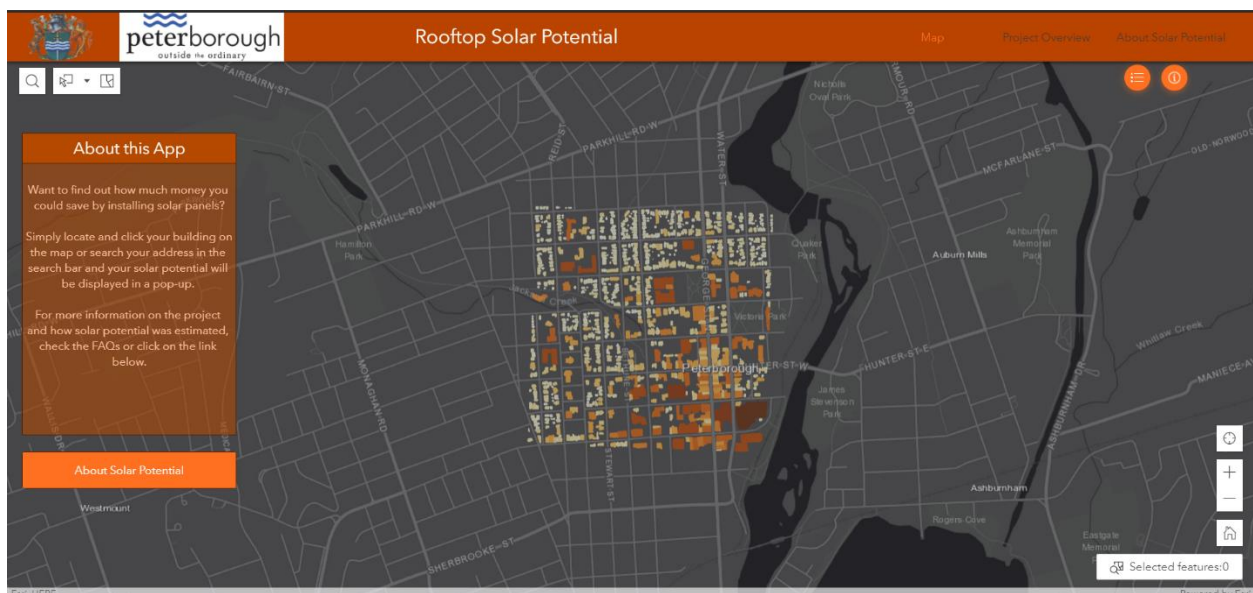


Figure 1: Snapshot of the Rooftop Solar Potential web application.

Step 2. Look for your property.

Search the map.

Navigate through the map until you find your property.

Search by address.

Click on the search icon in the upper left-hand corner of the web application, underneath the city of Peterborough crest. Then click on the drop-down arrow to pick which layer to base your search on. The choices are All, ADDRESS layer or the ArcGIS World Geocoding Service (we recommend using the ADDRESS layer as this will filter out non-Peterborough addresses. Lastly, type your address into the search bar and then hit enter. This will cause the web application to zoom to the address entered.



Figure 2: The layers that the search can be based on. Choice of All, ADDRESS, or ArcGIS World Geocoding Service. Enter address into search bar and the web application will zoom to it.

Step 3. Discover the rooftop solar potential of your property.

Click on your property.

Clicking on your property activates a pop-up, which shows your rooftop solar potential among other information.

Address of Property

The very top of the pop-up shows the address of the property you clicked on. This is to ensure you are looking at the property of interest and did not click another property by mistake.

Rooftop solar potential

The second section of the pop-up is the rooftop solar potential of the property. This shows how much money could be saved if solar panels were installed. Also shown is the suitable rooftop area for solar panels, and how much electricity could be produced based on suitable rooftop area.

Solar Potential Comparison

The third section of the pop-up is a solar potential comparison of the property. This section contains a graph which shows the property's potential electric production from solar panels compared to the average potential electric production of solar panels on small, medium, and large buildings.

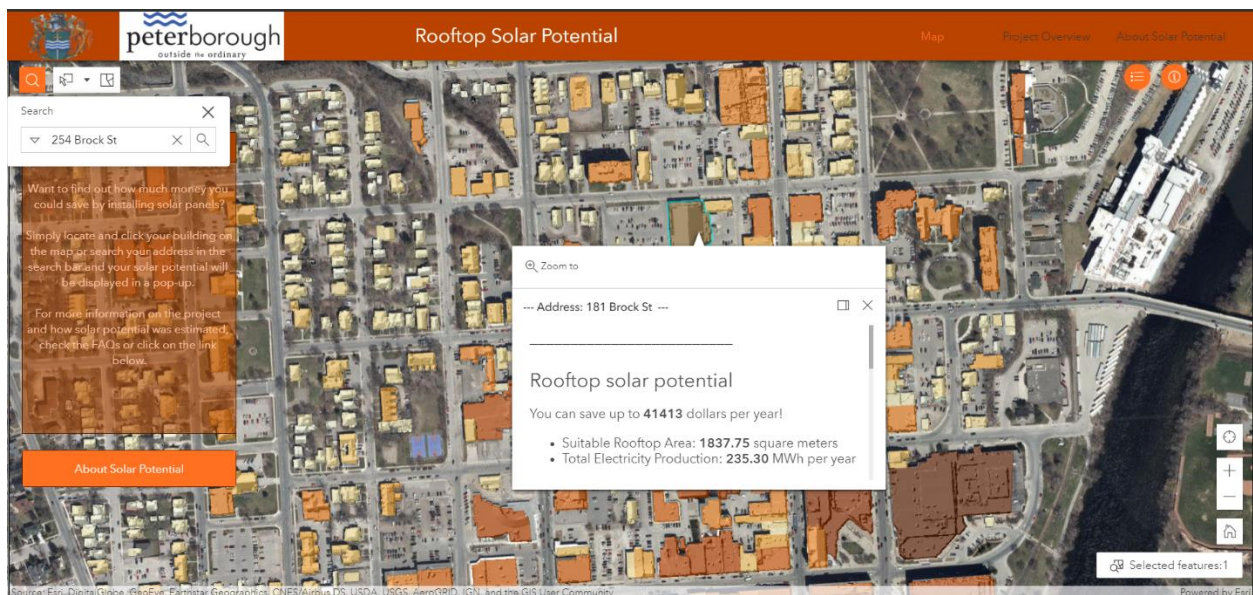


Figure 3: Example pop-up that displays once a property is clicked. The pop-up contains three sections.

Step 4. Explore further features of the web application.

Project Overview

Clicking on Project Overview takes you to a website that provides an overview of the web application. Showing the problem statement, information about Experience Builder, Tips & Tricks, Final Solution, and Documentation.

Legend

The legend icon is located on the upper right-hand corner of the web application. When you click on the legend icon it shows the ranges of electricity production present on the map.

FAQ

The FAQ icon is located on the upper right-hand corner of the web application. When you click on the FAQ icon it shows some frequently asked questions.



Figure 4: The black box in the upper right-hand corner of the web application shows where the Legend and FAQ icon are located.

About Solar Potential

Clicking on About Solar Potential either underneath About this App or in the upper right-hand corner of the web application takes you to another page which contains links to learn more about solar potential.