

You are a green-housing developer and are considering _____ (insert your city of choice) to build green housing developments, powered as much as possible by sustainable energy sources (specifically solar energy). But first you need to find suitable sites in _____ for your development.

Selection Criteria.

1. The site has to be within 400 yards of an existing road.
2. The land use has to be suitable.
3. The slope angle of the land surface has to be less than 10 degrees.
4. You need at least one acre of land for your housing development.

Tips & Tricks.

- Try working as much as possible in raster format = convert the vector data to raster data during the analysis.
- Consider using ModelBuilder to organize and execute your analysis.

We will use this Google Doc to share Q & A, help, tips, tricks and more:

 [The Solar Village Project Q & A \(Spring 2025\)](#)

Deliverables.

A simple map, the ArcGIS Pro Project Package, and a simple project report.

- Prepare a simple map in 8.5 by 11 inches (landscape or portrait). Include a map frame showing your final suitability raster layer over the light grey basemap and include a legend. Annotate your preferred location(s). That's it: keep it simple!
- Prepare a simple yet professional project report with a cover page, a brief project introduction, the project documentation, a brief description of the results, the data layer table, and the map inserted as a JPEG image as the last page.
- Share the ArcGIS Project Package via ArcGIS Online.

Contact me for help or clarification of this project or my expectations as needed.