

Conducting a Solar Resource Assessment with Solargraf for Energy Trust Incentive Applications

To be eligible for Energy Trust incentives, each application must include a solar resource assessment conducted with an approved site analysis tool. These assessments evaluate how shading, tilt, and orientation affect the system's expected annual energy output. When using remote shading analysis tools such as Solargraf, Energy Trust requires that every individual array on a site maintain a Total Solar Resource Fraction (TSRF) of at least 80% to qualify for incentives.

For more information: www.solargraf.com

Prior to using Solargraf to create a solar resource assessment, please consult our [Help Center](#) resources or [reach out to our team](#) for an official training with Solargraf Staff.

Creating a design in Solargraf

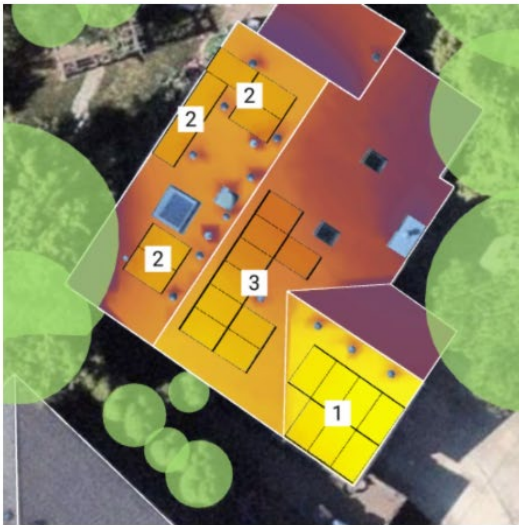
1. [Create a new project](#) by entering a customer's address.
2. [Model the roof](#) by first detecting or tracing its outline in 2D, then rendering a 3D model, making sure to verify azimuth & walls are correctly detected.
 - 2a. When using a custom image (such as a drone image or architectural blueprint), upload this in the Site imagery section of the "New project" page when creating the project. You will be prompted to crop the image to be a perfect square and rotate it such that North faces the top of your screen. Once the image is cropped, you will be prompted to set the image's scale by tracing any roof edge which is parallel to the ground (typically an eave or ridge) and define the length of that edge. Once this is complete, you will be re-directed to the design tool to resume step 2 mentioned above.
3. [Design the solar PV system](#) by first choosing to have Solargraf design for you, or by opting to do it yourself. If ask Solargraf to design for you, provide your criteria (max fit, consumption offset or bill offset). If designing on your own, use the Create array tool to place panels on the roof or ground. Once you've finished placing panels, calculate production and save your design.
4. [Download a shade report](#) from the Downloads menu inside the solar design tab. A web version of the report will open in a new browser tab. Right click and drag to rotate the camera, to achieve a desirable perspective of the roof model. When downloading a PDF of the report, a screenshot will be taken of the design using this camera perspective, and that screenshot used on the PDF.

Providing the shading data in PowerClerk

1. Enter either the annual TSRF for each individual array or the lowest overall annual TSRF value for any array into the PowerClerk incentive application.
2. Submit the shade report PDF as an attachment to the incentive application in PowerClerk.

You can find the overall TSRF value on page one and then the individual TSRF values for each Array on the corresponding pages of the Shade Report.

Annual TOF, SAV & TSRF per array



Total solar resource fraction (TSRF)



Array ID	Panel Count	Azimuth °	Pitch °	TOF%	SAV%	TSRF%
1	7	215	22	98	84	83
2	7	303	22	78	87	68
3	9	123	36	92	73	67
All (weighted)	-	-	-	89	81	72