

# Scanify - Creating a Solar Resource Assessment for Energy Trust of Oregon Incentive Applications

Energy Trust requires that each incentive application include a solar resource assessment using an approved site analysis tool. Solar resource assessments evaluate the impact of shading and array tilt and orientation on the annual production of the solar electric system.

- For remote shade analysis tools such as Scanify Remote Design, Energy Trust requires that each plane of an array on a site have an average Total Solar Resource Fraction (TSRF) of 80% or greater to be eligible for Program incentives.
- For on-site shade analysis, such as Scanify Drone Based 3D design, Energy Trust requires that each individual array on site have a TSRF of 75% or greater, as measured from the lowest point on the array, to be eligible for program incentives.

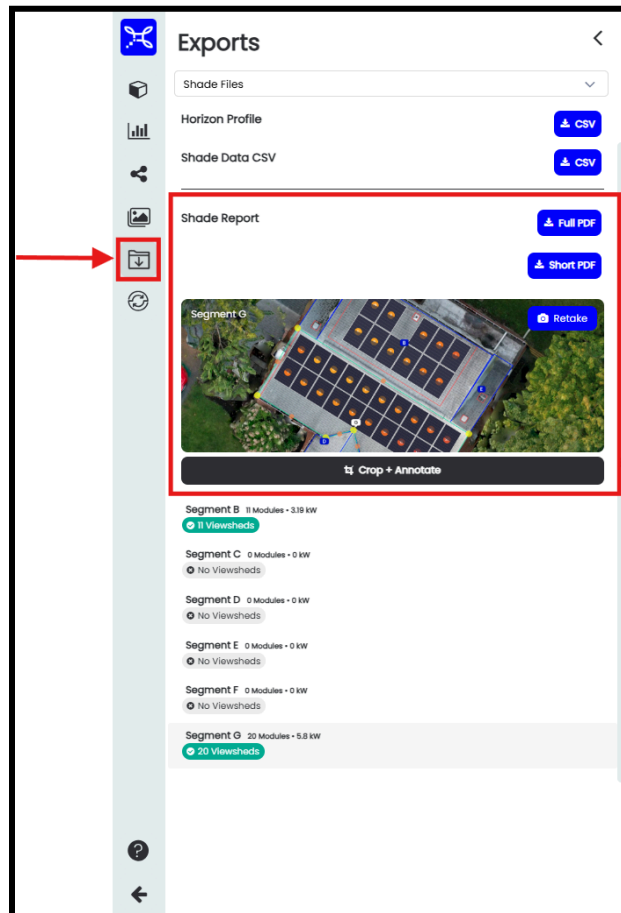
Before generating a shade report for Energy Trust Approval:

1. The member who is generating the report must complete a shade report training with the Scanify staff. Please contact [hello@scanify.com](mailto:hello@scanify.com) with the subject "ETO Shade Report Training" to schedule a training session. *(Please note: This requirement does not apply for users who have participated in Scanify's onboarding upon becoming a customer at Scanify)*
2. Create a project in Scanify for the customer and address.
3. Create a new design in your project in Scanify by:
  - a. Completing a remote design by modeling all shade objects in the 3D scene
  - OR
  - b. Upload Drone images to create a 3D model
4. Verify that all roof surfaces, shading obstructions such as keepouts or trees, are properly modeled in the design. If needed utilize the google3d, lidar or import models function to enhance the scene if anything was not captured in the drone data.
5. Design a solar electric system that meets all program requirements, provides the customer with maximum performance and mitigates the effect of any shade that may be present.
6. Generate a Shade report for the site from Scanify (for more information see walkthrough on next page)
7. Enter monthly solar access values for each array and a minimum qualifying TSRF for the project in PowerClerk.
8. Submit the shade report as an attachment to the incentive application in PowerClerk.

**NOTE: Solar Electric Allies should strive to be as accurate as possible during the solar resource assessment. If, upon verification, an installed project does not meet the TSRF requirement it can void the project's eligibility for Energy Trust incentive funding. If a solar resource estimate is dependent on a customer addressing any issues with trees or other shading barriers at the site property, Program staff strongly recommends that such impacts be remedied prior to moving forward with the installation. If a tree, or other obstruction, will be removed prior to construction and is subtracted from the solar resource assessment, written documentation explaining the plan of action must be provided with the application.**

How to export Scanify shade report for Energy Trust approval:

1. Navigate to your project design Exports, Shade files to generate and export your shade report.
  - a. Use the “take screenshot” functionality to capture a banner image, showing all of the roof surfaces with modules, for the shade report export.
  - b. Then click the “Full PDF” option to export a full shade report PDF.



2. Once the report is exported, navigate to page 2 of the report to view the Azimuth, tilt, monthly solar access values and Annual TSRF % for your roof surfaces for your PowerClerk inputs.
  - a. For Remote/Satellite based designs: Annual TSRF % for each individual array must be 80% or greater
  - b. For On-site/Drone based designs: "TSRF must be 75% or greater as measured from the lowest point on each array."

Array	Module Count	Annual Production (kWh)	Azimuth	Tilt	Annual TOF (%)	Annual Solar Access (%)	Annual TSRF (%)
All Segments	31	7,410	--	--	--	72	67
Segment G	20	5,105	211.8° True	34.4°	98	71	70
Segment B	11	2,305	31.8° True	10.6°	82	74	61
Weighted Average (by module count)						72	67