

Aurora Shade Report

Customer
Customer Name

Designer
Designer Name

Organization
Organization Name

Address
Site Address

Coordinates
Site Coordinates

Date
Date

1) **Annual Irradiance** image should clearly indicate the project arrays, and be appropriately zoomed such that site design is clear but surrounding shading is also shown.

Annual irradiance



2) **Annual Solar Access** - The opposite of this value should be entered as the shading percentage for each array. Array 1 would be $100 - 99 = 1\%$ shading and array 2 would be $100 - 91 = 9\%$ shading.

Summary

Array	Panel Count	Azimuth (deg.)	Pitch (deg.)	Annual TOF (%)	Annual Solar Access (%)	Annual TSRF (%)
1	27	144	18	93	99	92
2	8	143	24	94	91	86
Weighted average by panel count	-	-	-	-	97.2	90.5

3) The **tilt and azimuth** entered for each array in the Technical Application should match the tilt and azimuth in the Aurora Report. In this example, Array 1 should be Tilt 18, Azimuth 144 and Array 2 should be Tilt 24, and Azimuth 143.

Monthly solar access (%) across arrays

Array	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	99	99	99	99	99	99	99	99	99	99	99	99
2	87	89	91	92	93	93	94	93	91	90	88	86

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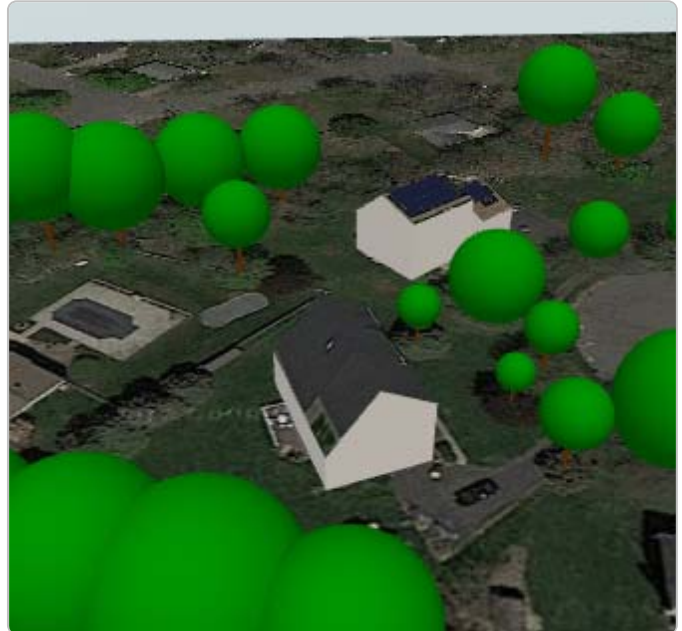
4) **Zoomed out satellite view** should be relatively centered on the project site, and zoomed out just far enough to indicate all trees and other obstructions included as potential shading. All potential obstructions (trees, houses, etc) should be modeled.

Zoomed out satellite view

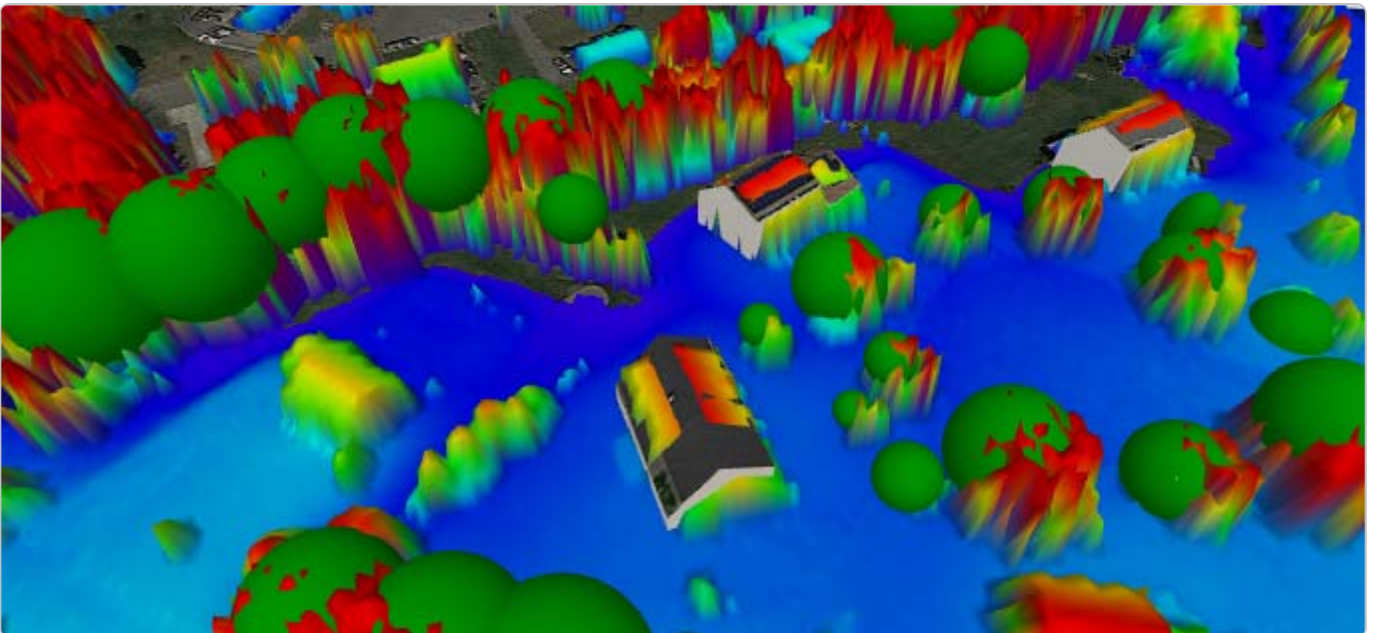


5) The **3D Model** should again be zoomed out just far enough to show the modeled obstructions without losing detail. An orientation that is looking down from roughly 45 degrees and from the South is generally recommended, noting that this is site dependent.

3D model



3D model with LIDAR overlay



6) Aurora analyses must have clear **LIDAR imaging** available at the site. The LIDAR image should be appropriately zoomed to include all potential obstructions, while remaining close enough to verify that trees and buildings are modeled at the correct heights/sizes. An orientation from the South and roughly 45 degrees is recommended, however this should be adjusted to give the best view of any specific site.

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7) Where available, the **street view** should be aimed at the project site in a manner that best indicates the surrounding obstructions. The 3D model below should be oriented to match the the street view image.

Street view and corresponding 3D model



I, _____, certify that I have generated this shading report to the best of my abilities, and I believe its contents to be accurate.