Hambrook Solar Project

2015 N LAKE DR, MILWAUKEE, WI 53202

WI Solar Laws

•First, Wis. Stat. § 60.61 specifically authorizes towns to enact zoning ordinances to provide "adequate access to sunlight for solar collectors and to wind for wind energy systems." Further, under Wis. Stat. § 66.0401, local governments -- counties, towns, cities and villages -- may not place any restriction on the installation or use of solar or wind energy systems unless the restriction:

- Serves to preserve or protect public health or safety
- Does not significantly increase system cost or efficiency
- Allows for an alternative system of **comparable cost and efficiency**

Solar Access by Roof Location

Placing solar panels anywhere else would lower production and not meet Hambrook's consumption needs.

If Easternmost array is taken off, 23% energy production reduction from original design.

A quarter sized system reduction in efficiency.



Pine tree blocking view from Lake Dr





Approved project by HPC in 2023

3410 N Lake Dr

 Visible to public right of way on Lake Dr





Approved Lake Dr project 5533 Lake Dr

Visible to public right of way on Lake Dr



Cohesive Layout

- System will sit parallel to the roof pitch, less than 6" off the roof face.
- Dark color of new modules is relevant to Hambrook's dark asphalt roof color
- Old modules vs Newer modules that Arch Solar uses



Final Notes

- A 23% reduction in Hambrook system's production without a comparable design in efficiency or cost goes directly against Wisconsin's solar laws.
- Black on black modules blends to color palette of roof.
- Solar is not "highly visible" due to pine tree blocking view from Lake Dr.
- Homeowner is a supporter of HPC <u>and</u> renewable energy.
- Renewable energy production is critical to the community's future.