Residential Solar in the XXI century



Rajko Pavic March 2024

The "WHY"

Main benefits of Solar are:

- Cheaper energy for homeowners
- Cleaner energy for everyone

- More resiliency





Cheap

Total benefit: ~CAD2,000 / year

Fully paid off: In ~6 years

Disclaimer: YMMV







Resilient

Solar can be used with:

- Stationary battery backup
- Electric car



The "HOW"

Modern Solar is often best paired with secondary purpose of the array:

- Providing cover from the sun/snow
- Replacing roofing material



PV Pergola





PV Pergola

- Shading, not blocking
- Accommodates a deck
- Covers 200% of electricity
- Looks nice
- Hail resistant







Other ideas

Carports, Pathways, Awnings, Over plants (agrivoltaics), etc











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SOM