www.solarprojectbuilder.org

Application and usefulness – using Solar Project Builder is useful during three key phases of a solar PV project development process.

- **Preliminary Site Assessment** – use estimated energy costs and pre-site assessment energy production estimates to validate proceeding to site assessment phase.

- **Economic Feasibility Assessment** – use all verified energy consumption, production, and project costs assumptions to validate proceeding to RFP procurement phase.

- **RFP Proposal Evaluation** – use to verify delivered RFP proposal assumptions to assist with selecting a solar PV developer.

Solar
Project Builder

CALCULATE >

System	>
Incentives	>
Operating & Return Assumptions	>
Tax Assumptions	>

Assumptions Inputs

System: up to 8 variables

O&R assumptions: up to 6 variables

Debt: up to 4 variables

PPA: up to 5 variables

Options for Solar Financing

Direct Ownership	Debt Financing	Power Purchase Agreement	Operating Lease
$			

Summary of Outputs

Solar Project Builder

- **Input Summary:** up to 7 variables
- **Summary of Economics:** 3 variables
- **Returns:** 2 variables
- **Charts:** up to 5 charts
- **Cash-flow:** up to 30 years
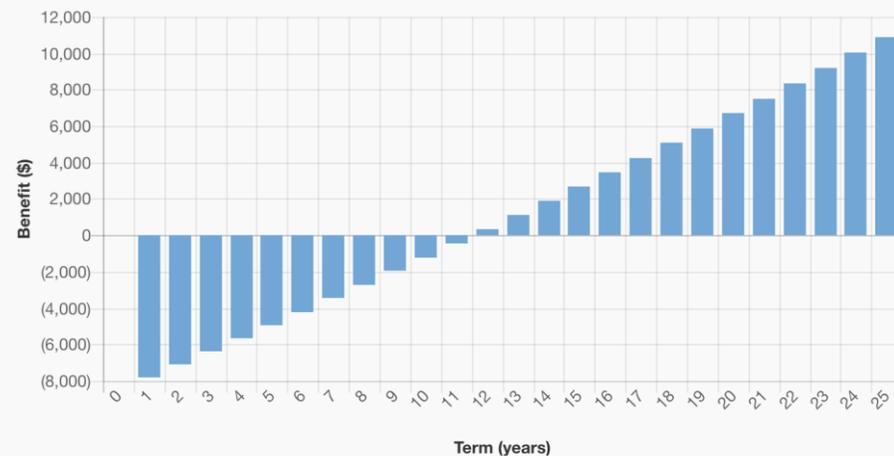
Summary of Economics

Label	Value
Avoided Electricity Cost ($) ❓	$1,079,720
PPA Payments ($) ❓	$(1,048,006)
Total Lifetime Benefit ($) ❓	$31,715

Returns

Label	Value
Lifetime NPV ($) ❓	$(15,576)
Lifetime LCOE ($/kWh) ❓	$0.077

Yearly Benefit

The year by year benefit of the system taking into account all revenues and expenses

Electricity Rate vs PPA Rate

A comparison of the avoided electricity rate vs the PPA rate