

SAM Webinars for 2021

Merchant Plant Financial Model August 4

Marine Energy Performance Models August 18

New Battery Model Features September 1

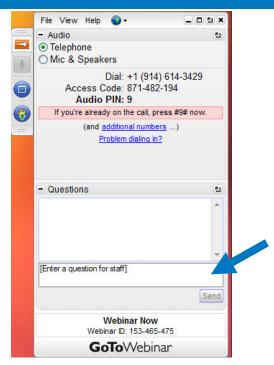
New Community Solar Financial Model September 15

Electricity Bill Calculator Updates September 29

Register for free at: https://sam.nrel.gov/events.html

Find webinar recordings at https://sam.nrel.gov/

Questions and Answers



Desktop application



Instant Join Viewer

We will either type an answer to your question or answer it at the end of the presentation.

What is SAM?

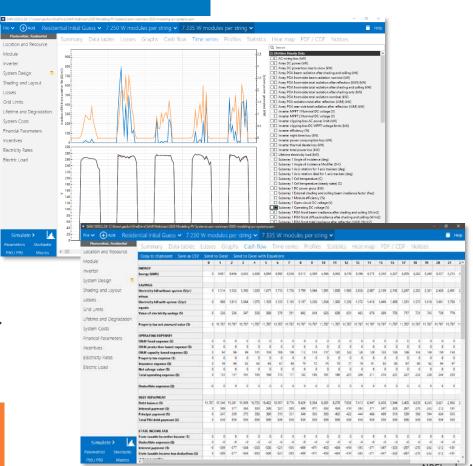
The System Advisor Model

Free computer software developed and distributed by the U.S. Department of Energy's National Renewable Energy Laboratory

Calculates:

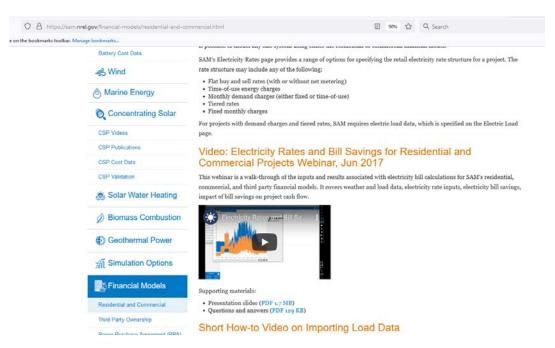
- A power system's energy output
- A power project's cash flow over years of operation

"Introduction to SAM 2020.2.29" https://sam.nrel.gov



Previous Webinar

Residential and commercial financial models: https://sam.nrel.gov/financial-models/residential-and-commercial.html



Outline

- 1 Summary of Residential and Commercial Financial Model
- 2 Open El Utility Rate Database
- 3 Energy Charges
- 4 Metering and Billing Options
- 5 Demand Charges
- 6 Billing Demand for kWh/kW Energy Charges
- 7 Questions and Answers

Distributed Generation Options

Name	Accounting	Compensation timing	Outputs
Net energy metering	kWh, monthly	Annual True-Up (single credit)	Cumulative credit for true-up (kWh) Annual true-up payments
Net energy metering w/ \$ credits	kWh, monthly	Monthly	Net metering credit
Net billing	\$, hourly	Monthly	Net Billing Credit
Net billing w/ carryover	\$, hourly	Annual True-Up	Net Billing Credit Net annual true-up payments
Buy all / Sell all	\$, hourly	Monthly	Buy all sell all sales to grid

Upcoming Features

- Fall release: Demand charge ratchets
- Full list: "Electricity rates" filter on GitHub

Thank you!

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