

Proposal Submitted to:

Mt. Irenaues
3621 Roberts Rd.
Friendship, New York 14739

Proposed System:

23.22 kW Ground Mount Mounted System
(Net Metering Proposal)

Proposal Submitted by:

Solar Liberty
6500 Sheridan Drive, Suite 120
Buffalo, NY 14221
Phone: 866.807.3639
Web: solarliberty.com



January 19, 2021

Mr. Michael Fenn
Mt. Irenaues
3621 Roberts Rd.
Friendship, New York 14739

Dear Mr. Fenn:

Solar Liberty is pleased to submit our response to and would be honored to become the solar partner of choice on this exciting initiative. We confirm that all elements of the project are understood and Solar Liberty can meet and exceed all expectations. Our proposal is centered on providing a turnkey solar system for Mt. Irenaues.


The proposal covers our experience as a turnkey installer and includes services such as design/ engineering, financing, installation, procurement, all permitting, environmental assessments, and ongoing maintenance.

Solar Liberty is proud to have installed over 3,000 solar systems across New York State and to be the recipient of the "Outstanding Achievement Award" by NYSEERDA, the Department of Energy and Solar Power World magazine. This year marks Solar Liberty's seventeenth year in business. Over our seventeen years of operation, we have installed and distributed more than 150 MW's of solar equipment to date.

We are confident that our proposal meets Mt. Irenaues's highest standards, and that our experience and deployment plan clearly differentiates us from other solar energy developers.

Thank you for this opportunity to propose a project and we look forward to the possibility of bringing your project to fruition.

Very truly yours,
Solar Liberty Energy Systems, Inc.


Nathan T. Rizzo
Vice President

Solar Liberty

Since our inception in 2003, Solar Liberty has been continually expanding and reinvesting in New York State. Our sole focus is on solar energy, while utilizing proprietary equipment and processes. Solar Liberty's business model of in-house engineering, full-time solar crews, and strict attention to detail leverages innovation and solar industry expertise to design, install, operate and maintain PV systems, with lower costs and more value-added services than our competition.



Solar Liberty is a total turnkey solar energy developer, which means we handle all aspects of solar electric installations. We believe our approach sets us apart from other solar installation companies and enables us to provide a value added service to our customers that are second-to-none. The record number of New York State installations, coupled with the number of pleased repeat customers, is a testament to our attention to detail. We consistently execute a finely tuned systematic approach from the initial sale of a project and its in-house design, right through to the completed installation and ongoing maintenance.

Dedicated to being a leader in the solar energy sector, Solar Liberty draws on New York State resources and is committed to creating New York State jobs. The majority of our talented team of engineers and office personnel have graduated from New York State colleges and universities. Simultaneously, the installation teams represent the perfect example of transforming traditional blue-collar trades into modern green-collar professionals while producing a new skill set for the future.

- Buffalo based turnkey installer of grid-tied photovoltaic solar energy systems – schools, non-profit, commercial & residential.
- Co-founded in 2003 by brothers Adam & Nathan Rizzo.
- Locally owned and operated.
- Current installations completed or in progress on over 3,000 commercial and residential buildings/homes (inc. over 95 municipal projects) with 150 MW (600,000 Solar Modules) of solar power capacity.
- Installations include: 13 MW for Monroe County, 750kW project for SUNY at Buffalo, 137kW SUNY Binghamton, and 250kW NFTA Bus Garage.



Solar Liberty Recently Completed and In Progress Solar Projects

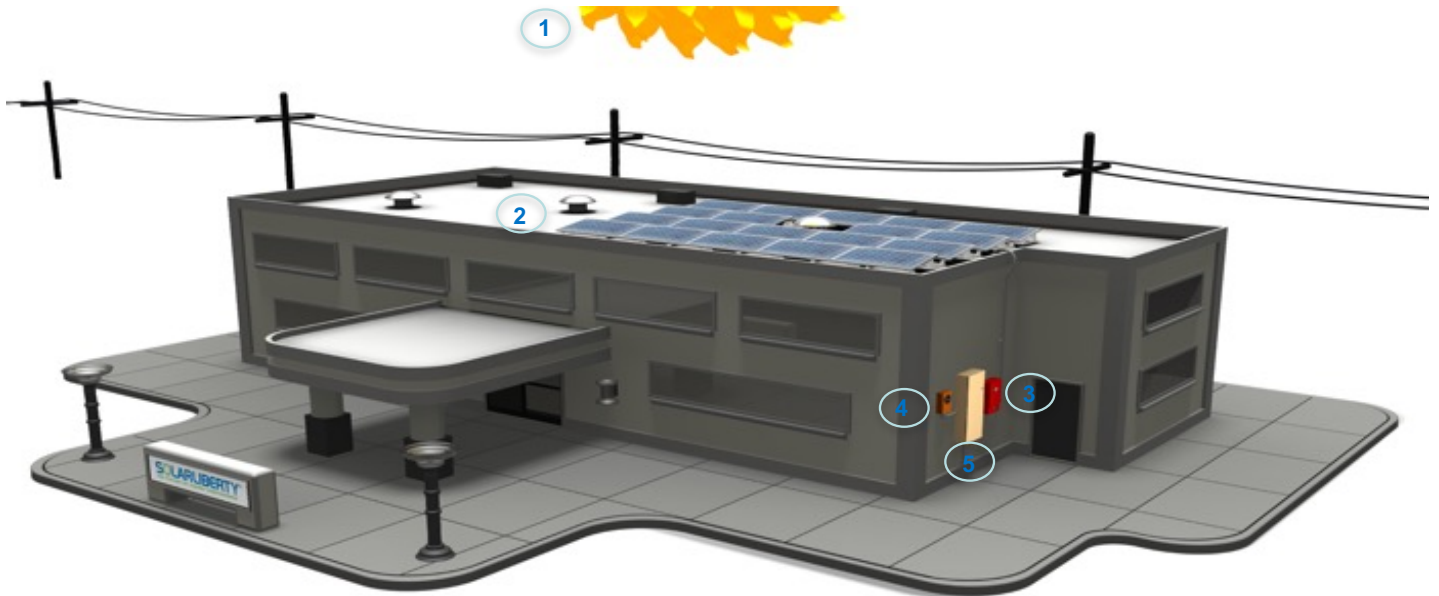
- Cummins Engine, Lakewood NY - 2 MW Roof Top Installation
- Rochester Institute of Technology - 2 MW Ground Mounted Installation
- Grocery Stores throughout Rochester Area
- 17 NYC Public Schools with NYPA
- 2 MW of Installations in Long Island for Life Storage Facilities
- Town of Wawarsing- 1.1MW Landfill Ground Mount Installation
- Brooklyn Diocese, Babylon NY - 10.6 MW Ground Mount Installation



Other Notable Project Customers



How a Net Metered System Works



- 1 Sunlight shines on the modules
- 2 The solar modules produce DC power
- 3 The inverter converts the power from DC to AC power
- 4 Non-demand meter applications: Solar electricity is first used by your building. Excess electricity is grid-injected and the utility credits your bill for any excess on a volumetric basis (kWh for kWh)
- 5 The utility owned meter “measures” electricity produced by the solar system

Solar Incentives

- **Purchase- Residential Meter (Nonprofit)**
 - Utilize the NYSERDA incentive
 - \$0.350/watt up to 25kW
 - Financing Available- Collective Sun
- **Purchase- Commercial Meter (For Profit)**
 - Utilize the NYSERDA incentive
 - \$0.350/watt up to 750 kW
 - Federal Tax Credit- 26%
 - MACRS/ Sec. 168 (k) Bonus Depreciation (Tax Avoided)
 - Financing Available

Monitoring

- Available accessory to solar installation - allows you to protect your investment
- Monitoring provides a real-time view of power production
- View historical data for reports or annual comparisons
- Customized views on your website or public display



Operations and Maintenance



- Routine Maintenance
 - Solar Panels - Area precipitation (inc. snow) typically helps to keep modules clean
 - Inverter - Clean accumulated dust from the heat sink or fan screen
 - Wiring - Check wiring around the inverter
- Power production - Compare estimated power output (kWh) to the measured values on inverter
- Snow removal - Not recommended

Warranties and Service

- No moving parts means a long life expectancy
- PV panels come with a 25 year power production warranty from the manufacturer
- Inverters include a 10 to 25 year warranty
- Solar Liberty has a standard comprehensive 5-year service and product warranty



Donations and Foundation

- Solar Liberty has donated over 125 solar systems to non-profit organizations in Western New York
- Systems include: Buffalo Catholic Diocese (65 Systems), The Boys and Girls Club, Boy Scouts of America, People Inc., Hospice, the City Mission and many others
- Solar Liberty Foundation - Renewing hope worldwide through renewable energy resources - www.solarliberty.org



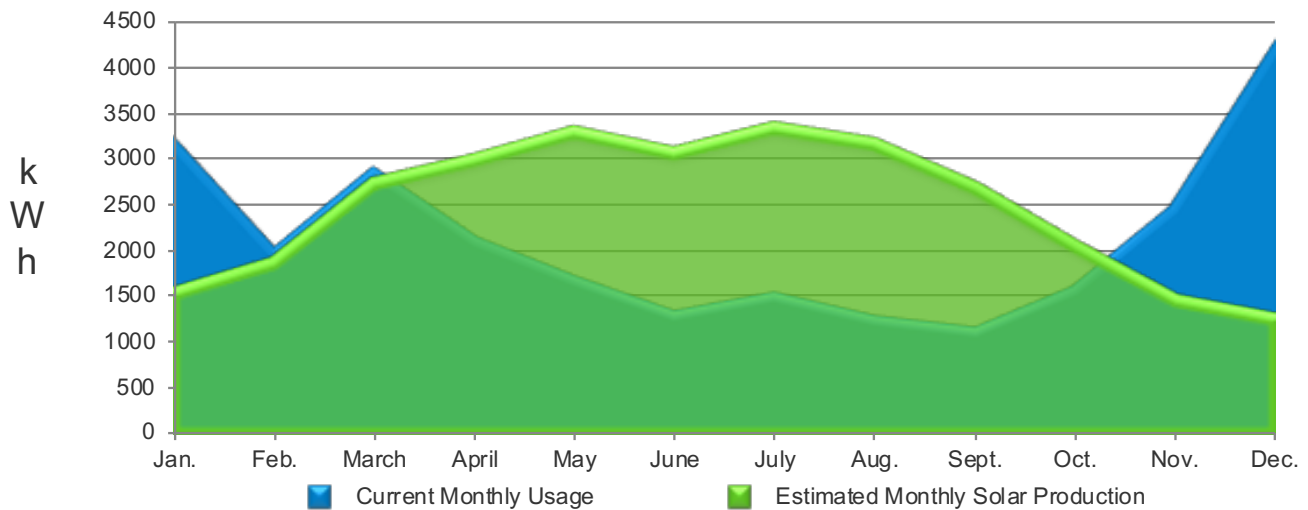
Local manufacturing - Worldwide Sales

- Solar Liberty has been manufacturing solar mounting systems in NY State, since 2007, under the name DynoRaxx
- DynoRaxx sells solar mounting components worldwide and is specifically designed for the NY State Climate
- DynoRaxx is the only system designed specifically to provide a natural union with your building's roofing membrane and solar



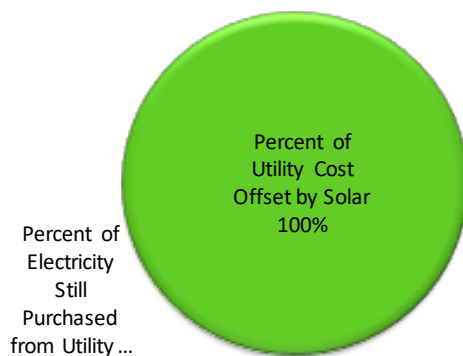
Solar Liberty Proposal

Monthly Consumption vs. Estimated Production

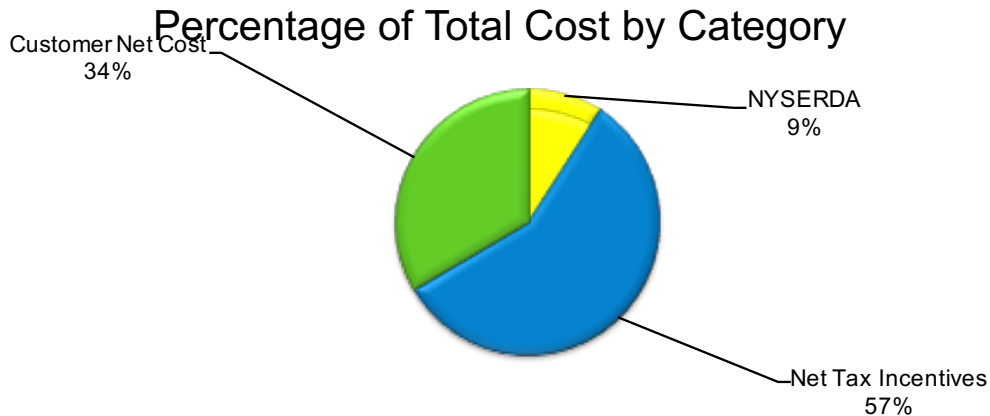


Monthly Consumption vs. Estimated Production			
Month	Current Electrical Consumption (kWh)	Solar Production (kWh)	Consumption with Solar (kWh)
January	3,109	1,524	1,585
February	1,919	1,874	45
March	2,812	2,723	89
April	2,078	2,987	-909
May	1,629	3,290	-1,661
June	1,252	3,057	-1,805
July	1,463	3,335	-1,872
August	1,200	3,157	-1,957
September	1,087	2,680	-1,593
October	1,530	2,032	-502
November	2,422	1,448	974
December	4,133	1,251	2,882
Total	24,634	29,358	-4,724

Percentage of Electric Costs Offset by Solar System (Year 1)*



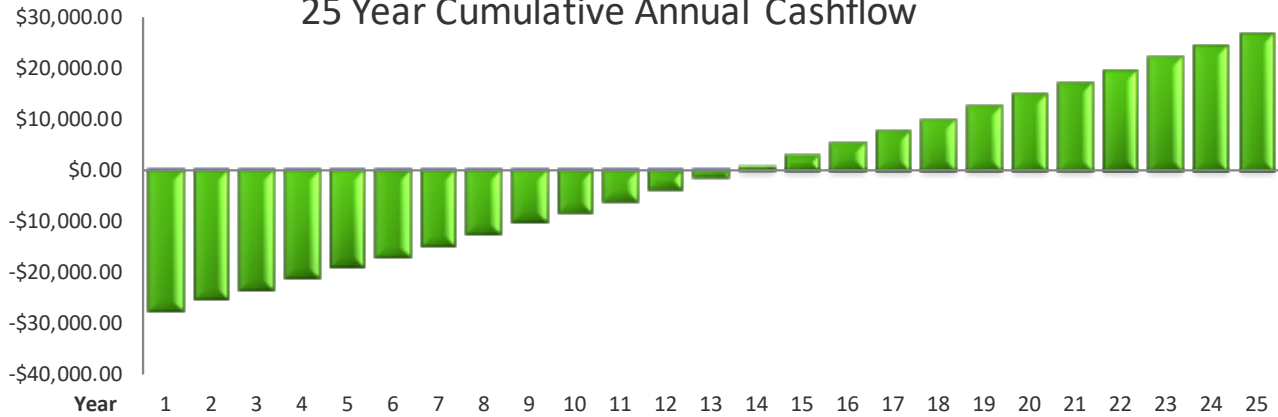
*Does not include Basic Service Charges



System Description and Financial Cost Detail	
PV Module: Canadian Solar, Quantity: 54, Model:BiHiKu	Included
Module Wattage: 430	Included
Inverter: Generac , Qty: 3, Model: Generac 7600	Included
Inverter 2: , Qty: , Model:	Included
Balance of System for a Ground Mount Mounted System	Included
Permitting	Included
Labor	Included
Generac PWRcell17	\$20,443.60
Gross System Cost:	\$88,236.00
Rebate Received By Solar Liberty	
NYSERDA NY-SUN incentive for \$0.350 /W up to 750kW (Reduces Contract Cost)	(\$8,127.00)
Due to Solar Liberty (Gross Cost - NYSEDA Incentive):	\$80,109.00
Tax Incentives Received By Customer	
26% Federal Tax Credit (Gross System Cost)	(\$22,941.36)
MACRS/ Sec. 168 (k) Bonus Depreciation (Tax Avoided)	(\$27,635.52)
System Cost After All incentives	
Final System Cost:	\$29,532.12

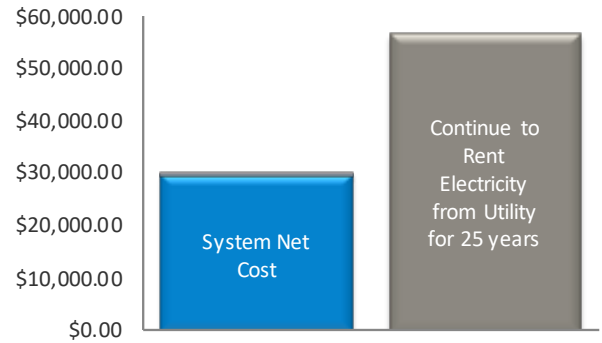
*Does not include CESIR, Utility Upgrades, and Prevailing Wage Costs.

25 Year Cumulative Annual Cashflow



System Summary	
System Size	23.22 kW
Module Azimuth	180 Degrees
Module Tilt	20 Degrees
Output Due to Shading	100%
Estimated Annual Production	28,168 kWh
Current \$/kWh	\$0.15 / kWh
Net Cost (After Incentives)	\$29,532.12
Average Monthly Savings	\$187.99
25 Year Utility Savings	\$56,395.91
Payback Period	13 Years 8 Month(s)
Internal Rate of Return (IRR)	7.6%
Net Investment is Recouped	1.9 Times
Utility Company	RG&E

Estimated Solar Offset vs. "Renting" Utility Power (25 Years)



Cash Flow by Year

Year	Zero	One	Two	Three	Four	Five
Turnkey System Cost	(\$88,236)	\$0	\$0	\$0	\$0	\$0
NYSERDA NY-SUN	\$8,127	\$0	\$0	\$0	\$0	\$0
26% Federal Tax Credit	\$22,941	\$0	\$0	\$0	\$0	\$0
MACRS/ Sec. 168 (k) Bonus Depreciation (Tax Avoided)	\$27,636	\$0	\$0	\$0	\$0	\$0
Annual Utility Savings	\$0	\$2,110	\$2,081	\$2,094	\$2,108	\$2,122
Total Annual Cash Flow	(\$29,532)	\$2,110	\$2,081	\$2,094	\$2,108	\$2,122
Cumulative Cash Flow	(\$29,532)	(\$27,422)	(\$25,341)	(\$23,246)	(\$21,139)	(\$19,017)

Year	Six	Seven	Eight	Nine	Ten	Eleven
MACRS/ Sec. 168 (k) Bonus Depreciation (Tax Avoided)	\$0	\$0	\$0	\$0	\$0	\$0
Annual Utility Savings	\$2,140	\$2,155	\$2,165	\$2,180	\$2,196	\$2,212
Total Annual Cash Flow	\$2,140	\$2,155	\$2,165	\$2,180	\$2,196	\$2,212
Cumulative Cash Flow	(\$16,876)	(\$14,721)	(\$12,556)	(\$10,376)	(\$8,180)	(\$5,968)

Cash Flow by Year (Continued)

Year	Twelve	Thirteen	Fourteen	Fifteen	Sixteen	Seventeen
Annual Utility Savings	\$2,232	\$2,244	\$2,261	\$2,278	\$2,296	\$2,318
Total Annual Cash Flow	\$2,232	\$2,244	\$2,261	\$2,278	\$2,296	\$2,318
Cumulative Cash Flow	(\$3,736)	(\$1,492)	\$769	\$3,047	\$5,343	\$7,660

Year	Eighteen	Nineteen	Twenty	Twenty One	Twenty Two	Twenty Three
Annual Utility Savings	\$2,336	\$2,350	\$2,369	\$2,388	\$2,408	\$2,433
Total Annual Cash Flow	\$2,336	\$2,350	\$2,369	\$2,388	\$2,408	\$2,433
Cumulative Cash Flow	\$9,996	\$12,346	\$14,716	\$17,104	\$19,512	\$21,945

Year	Twenty Four	Twenty Five
Annual Utility Savings	\$2,449	\$2,470
Total Annual Cash Flow	\$2,449	\$2,470
Cumulative Cash Flow	\$24,394	\$26,864

Environmental Benefits

Going solar not only benefits your pocket book but it generates significant environmental benefits in reducing your carbon footprint. Below is a comparison of CO2 emissions that will be offset by your solar system to various forms of carbon sequestration or polluting activities.

Comparison of CO2 Emissions

The proposed 23.22 kW system will reduce Green House Gas Emissions by 1,086,758 lbs. of CO2 over 25 years. That is equivalent to:



Driving a car
1,232,711 Miles



12,676 Tree Seedlings Grown
for 10 Years



6.5 Tanker Trucks Filled
with Gasoline



1,762 Five Gallon
Buckets of Coal

Disclaimers and Assumptions

NYSERDA Commercial Incentive available through NY-SUN is \$0.35 per watt. If rebate program is cancelled at anytime the project will be reevaluated for feasibility.

Project Proposal is valid for 30 days. Once project proposal is accepted, Photovoltaic Generating System Purchase and Sale Contract must be executed.

Operation and Inflation Rates

This estimate assumes the following system operation and inflation rates:

System Life:	25 Years (Warranty of Modules)
PV Degradation:	2% Year 1 and 0.2% Years 2-25
Current Electric Rate (\$/kWh):	\$0.150 per kWh
Electric Costs (not including Basic Service Charges):	Escalated 2% Annually

System Size Ratings and Performance

There are three methods used to size PV systems. They are STC, PTC and CEC. The Standard Test Condition (STC) rating or DC Nameplate is the rating under optimal operating conditions (laboratory). The lab testing is based upon 25 Degrees Celsius and 1000 Watts per Meter Squared. This rating is used by manufacturers to classify the power output of PV Modules. The PV-USA Test Condition (PTC) and California Commission (CEC) ratings were designed to test module performance under more realistic operating conditions.

The energy production for the first year is based on PV Watts Version 1 using the DC Nameplate. To calculate the system's energy production for years two through twenty-five, the expected degradation in system performance is included (See PV Degradation in above table).

Tax Credits

Our proposal shows a 26% Federal Tax Credit and assumes a combined Income Tax Rate of 36%. The tax rate can be modified upon request. We stress that we cannot provide tax or investment guidance. You should consult your tax preparer or investment adviser for these services. This analysis assumes Federal Income Tax is not applied to any rebates.

Average Monthly Utility Savings

This figure is the average monthly electric savings the system will produce over the course of 25 years using a PV Degradation and Utility Annual Inflation Rate as listed under section Operation and Inflation Rates.

Internal Rate of Return (IRR)

The internal rate of return (IRR) is the discount rate at which the net present value of costs (negative cash flows) of the investment equals the net present value of the benefits (positive cash flows) of the investment.

Levelized Cost of Energy

The Levelized Cost of Energy is an estimation. It is based on the Net Cost (\$000.00) of the system divided by the amount of power the system is estimated to produce over 25 years (704,207).

Environmental Analysis

The Environmental Analysis is determined by calculations found at <http://www.epa.gov/cleanenergy/energy-resources/calculator.html#results>.