



Locally Produced, Clean Energy

COMMUNITY SOLAR

Town of Andes

May 2020



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NY State Renewable Energy Initiative

Goal of 50% Renewables by 2030

"This state is a national leader in combating climate change ... we are taking unprecedented efforts one more step toward a cleaner and greener New York," the Governor said. "This funding will advance large-scale energy projects, continue to build a clean energy economy, and generate opportunity for New Yorkers for generations to come. We will cut costs to consumers, create jobs and combat climate change for the coming generations."



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New York Announces Completion of Largest Community Solar Project in New York State

March 13, 2018 – Albany

"This Sullivan County project will deliver energy savings to residents throughout the Mid-Hudson Valley region, while supporting the establishment of a cleaner, greener New York for all," the governor said.

<https://www.governor.ny.gov/news/governor-cuomo-announces-completion-largest-community-solar-project-new-york-state>



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What Is Community Solar?

The New York Community Solar Program was approved and enacted by the Public Service Commission in 2015. It is part of the New York Reforming the Energy Vision (“REV”) initiative, which has the goal of having 50% of the State’s electricity generated from renewable sources by the year 2030.

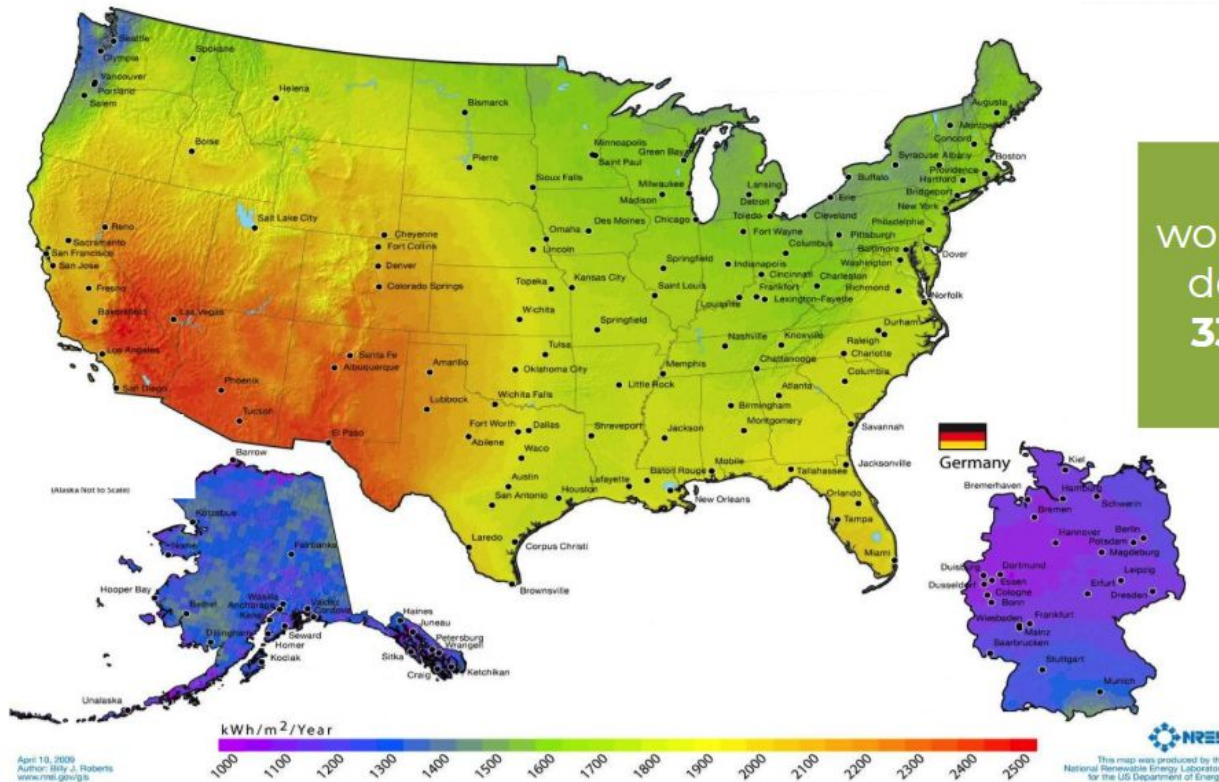
In New York a Community Solar project is a commercial scale electricity generator with a maximum generating capacity of 5 MWac, which is large enough to power approximately 1,000 homes and is built on 20-25 acres of open land.

Community Solar allows residents, businesses, and municipalities who cannot or prefer not to site solar on their own property to participate directly in off-site projects through remote net metering.

Community Solar

- Allows homeowners, renters, and businesses to participate in solar regardless of income, credit, or ability to install a solar array on their own property
- Built on an open field
- Interconnects with the utility to offload the electricity into the local utility grid
- Electricity is provided to customers the same way it is today through the existing electric facilities

We have Sun!



Germany - the
world's leader in solar
deployment - gets
33% less sun than
Binghamton.



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Who can participate?

- Home owners
- Small businesses
- Renters
- NYSEG and RGE customers with a kwh (kilowatt hour) meter
- Large business (demand meter) program available also

Benefits for residential and small commercial meters

- 10% discount off NYSEG or RGE kwh rate on non-demand accts.
- Fixed, discounted rate that won't change
- Access to green energy the easy way
- No panels on your property and nothing to maintain
- No added fees, cancel any time at no cost
- Supports local jobs
- Increased tax revenue for municipality

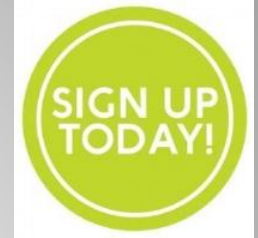
Benefits for large commercial and demand meters

- Minimum of 100,000 kwh (total of multiple meters)
- 5% discount off NYSEG or RGE kwh rate on demand meters.
- Fixed, discounted rate that won't change
- Access to green energy the easy way
- No panels on your property and nothing to maintain
- No added fees, only savings.
- Cancel any time with six months notice at no cost
- 2 year term, renews with mutual consent
- Supports local jobs



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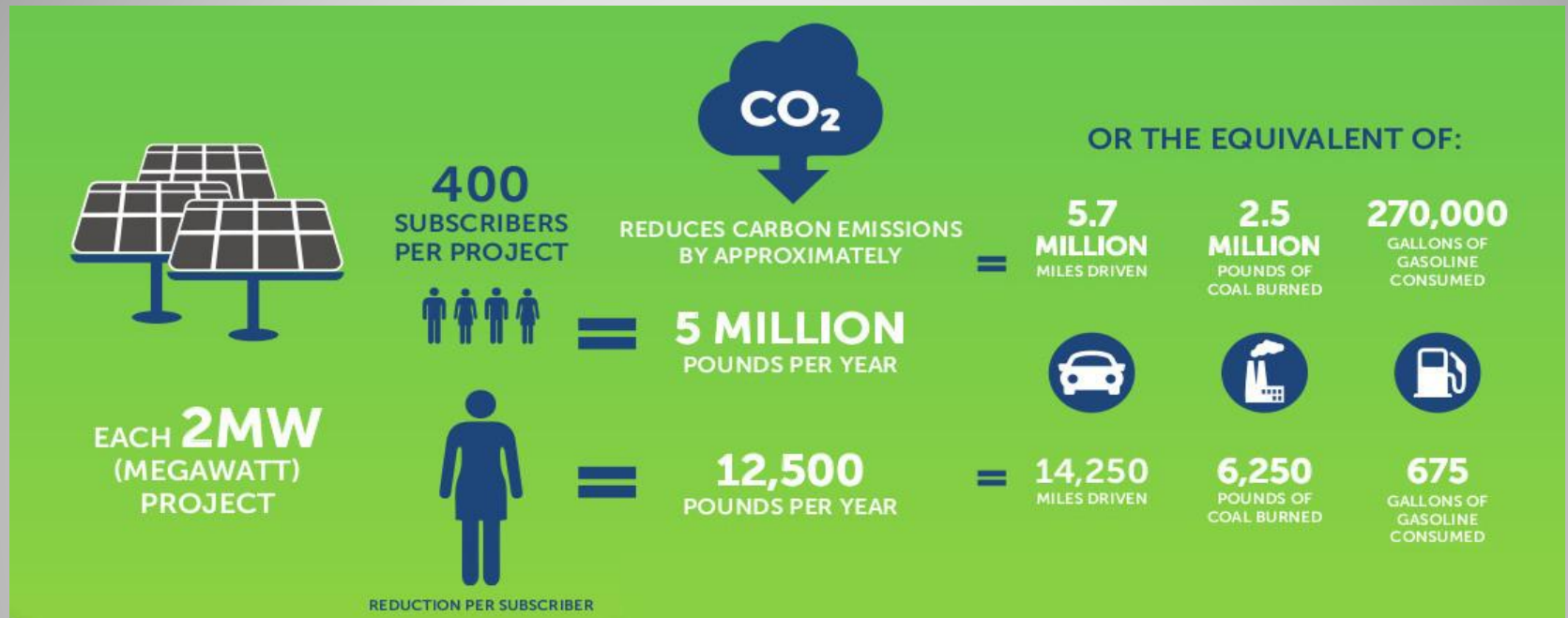


Why participate in Community Solar?

- Discount off NYSEG or RGE kwh rate
- Fixed, discounted rate that won't change
- Access to green energy the easy way
- No panels on your property and nothing to maintain
- No added fees, cancel any time at no cost
- Supports local jobs

Environmental Impact of Solar

- 5 million pounds of carbon is removed from the environment annually. The equivalent of:
 - 350-400 cars removed from the roads
 - 5.7 million miles driven
 - 2.5 million pounds of coal burned
 - 270,000 gallons of gasoline consumed
- Per member, this equates to:
 - 12,500 pounds of carbon per year
 - 14,250 miles driven
 - 6,250 pounds of coal burned
 - 675 gallons of gasoline consumed



<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



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Every subscriber to Community Solar takes the equivalent of one car off the road on average for the life of the project!

YOUR **CARBON REDUCTION** WITH **DRS**



Project overview

- Each system produces 2 to 5 MW of power
- 2MW projects serve 350-400 homes and small businesses
 - 8,000 – 9,000 panels per project
 - Approx 10 acres (generally open land)
- Interconnects with local utility and offloads power produced directly to the grid
- Capacity available for large commercial anchor accounts as well
- Built predominantly on open land
- No herbicides or pesticides
- Decommissioning agreement with municipality to cover the cost to return the land to original state
- Sites are farmed (sheep, hay, possibly bees and pollinator friendly environments)

Projects Complete

Sackett Lake Solar Farm
Monticello, NY



And many more ...

Baer Road Solar Farm
Callicoon, NY



Pool Brook Solar Farm
Laurens, NY



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Gaskill Project

- 6.954 MWdc
- Approx. 20,000 panels
- Serves approx. 1000 customers
- Approx. 29 acres



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Wood Oak Drive Project

Narrowsburg, NY

- 2.7 MWdc
- Serves approx. 350 residents
- Project is complete and full

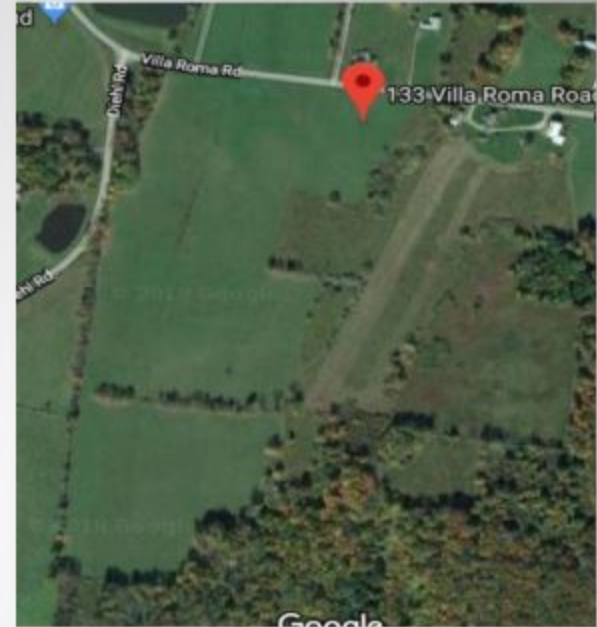


Villa Roma Road Project

1, 2, 3 & 4

Callicoon, NY

- NYSEG
- 4 projects for the total of 9.272 MWdc; approx.
- Will serve approx. 1600 customers
- Red pin shows the project site
- Open Enrollment



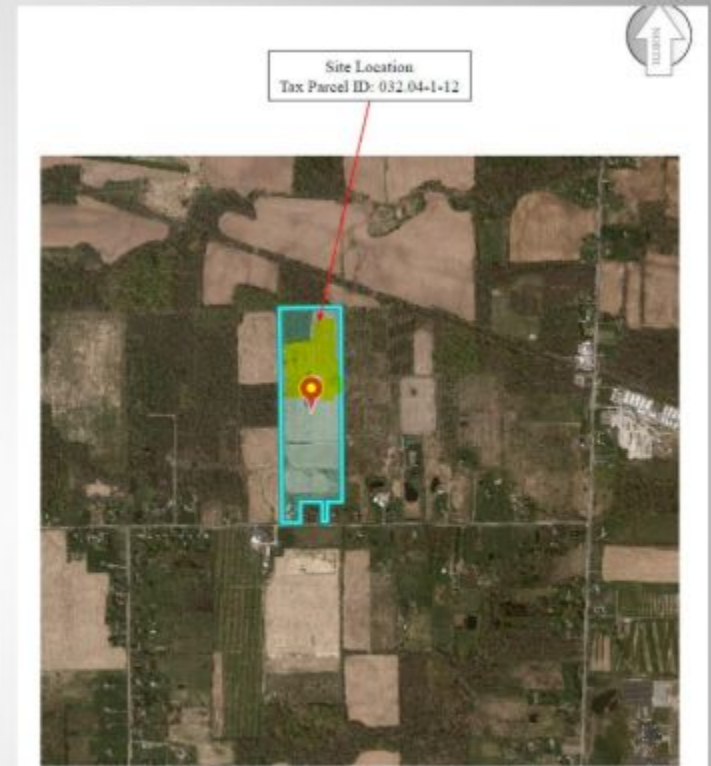
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Burritt Road Project

Hilton, NY

- RG&E
- 2.78 MWdc; approx. 9,000 panels
- Will serve approx. 400 customers
- Yellow defines project area
- East of the intersection of Burritt Road and Manitou Road/Route 261
- Open enrollment



Spencerport Projects

Washington Street

- RG&E
- 3 projects; 10MWdc
- Will serve approx. 1500 customers
- Dark shaded area is project site.
- Between Washington Street to the west, Colby Street to the North, and Chambers Street to the South
- Open enrollement



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Eligibility Requirements

- NYSEG and RGE Service Class residential and small business non-demand meters
- Minimum of 1,000 kwh annually
- Must be in the same utility as the project
- Customers with grid-connected solar on their property are not eligible
- Credit Requirements: Soft credit check with 600 FICO for residential and small commercial accts. Credit rating for commercial accts. Customers with positive utility payment histories will also be considered.

1



.3% OF THE
PROJECT
"JOHN'S ALLOCATION"

2



PRODUCED
1000 KWH
THIS MONTH

3



UTILITY BILL
1000 KWH CREDITS
*EXCESS CREDITS CARRY OVER

4



BILLS 1000 KWH AT
10% DISCOUNT
\$\$\$

How does it work?

- 1 – Customers who enroll are allocated a % of the project. Complete the sign up form or visit DelawareRiverSolar.com.
- 2 - DRS projects produce power offloaded directly to the grid.
- 3 - Members of the project receive credits on their utility bill based on their monthly allocation of solar production.
- 4 - DRS bills customers for the credits applied to their bill each month at a discount off the electric rate for the bill period.



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Requirements for the Municipal Accounts

- Small commercial non-demand meters qualify for 10% discount
- Demand meters qualify for 5% discount
- Two year term; renews with mutual consent at the same terms
- Minimum of 1,000 kwh annually per meter.
- Limitations for large demand meters based on project size.
- Municipality may pay with ach bank payment online or with credit card.

Estimated Savings

The Town of Andes currently has 10 electric meters that qualify for community solar. Approximately 575,649 kilowatt hours can be allocated to our projects. Community solar credits can only be applied to NYSEG billed charges. If the billing is all on the NYSEG bill, the following savings are estimated

- Year 1 Savings: \$2,031.64
- 25 Year Savings: **\$50,791.03** (without a credit value escalator)
- Annual carbon offset: 897,297 pounds

These estimates assume:

- 5% discount to value of bill credits on demand meters and 10% on non-demand.
- Based on all billing on the NYSEG bill.
- Meters remain on project for the 25 year lifespan of the project.

Summary of Town of Andes Accounts

Account Name	Service Address	City	State	Zip Code	Utility Account	Load Zone	Service Class	POD ID	Discount	Annual kwh	Annual Spend	Kwh on Spend	90% allocation	Estimated Annual Savings	25 Year Savings w/o escalator
Town of Andes	5287 County Hwy 1	Andes	NY	13731	10010035441	E	2	N01000007664113	5%	425,900	\$26,195.14	349,269	314,342	\$1,178.78	\$29,469.53
Town of Andes	Tremperskill Rd.	Andes	NY	13731	10033194738	E	2	N01000059898718	5%	31,647	\$3,612.80	48,171	43,354	\$162.58	\$4,064.40
Town of Andes	St. Hwy 28 Pool	Andes	NY	13731	10015610180	E	2	N01000008826356	5%	33,284	\$3,049.01	40,653	36,588	\$137.21	\$3,430.14
Town of Andes	Near 29509 St. Hwy 28 315	Andes	NY	13731	10015610297	E	2	N01000004584488	5%	1,949	\$606.46	8,086	7,278	\$27.29	\$682.27
Town of Andes	Near 255 Main St.	Andes	NY	13731	10018052646	E	2	N01000006634505	5%	14,216	\$1,560.55	20,807	18,727	\$70.22	\$1,755.62
Town of Andes	3760 County Hwy 1	Andes	NY	13731	10028200425	E	2	N01000059900209	5%	10,090	\$1,189.29	15,857	14,271	\$53.52	\$1,337.95
Town of Andes	Street Lighting	Andes	NY	13731	10012327366	E	3L	N01000000248039	5%	n/a	\$6,777.21	90,363	81,327	\$304.97	\$7,624.36
Town of Andes	Near 29509 St. Hwy 28 315	Andes	NY	13731	10015610297	E	5L	N01000005134853	5%	n/a	\$183.24	2,443	2,199	\$8.25	\$206.15
Town of Andes	242 Main St. Libr.	Andes	NY	13731	10018052638	E	6	N01000008906406	10%	9,296			8,366	\$75.30	\$1,882.44
Town of Andes	St. Hwy 28 St. Light	Andes	NY	13731	10028080934	E	6	N01000059565937	10%	1,670			1,503	\$13.53	\$338.18
												575,649	527,954	\$2,031.64	\$50,791.03
Ineligible Accounts															
Town of Andes	Near 65 Delaware Ave. St Light	Andes	NY	13731	10028080918	E	6	N01000059565887	10%	102 kwh too small					
Town of Andes	County Hwy 1 Park	Andes	NY	13731	10032458647	E	6	N01000059963405	10%	300 kwh too small					
Town of Andes	St. Hwy 28 St. Light	Andes	NY	13731	10028080942	E	6	N01000059565911	10%	292 kwh too small					
Town of Andes	Near 294 Depot St.	Andes	NY	13731	10037741146	E	6	N01000060662277	10%	270 kwh too small					



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Greenhouse Gas Savings

If You Have Energy Data

If You Have Emissions Data

575,649

kilowatt-hours of electricity

Calculate

Equivalency Results

[How are they calculated?](#)

The sum of the greenhouse gas emissions you entered above is of Carbon Dioxide Equivalent. This is equivalent to:

897,297 Pounds

Greenhouse gas emissions from



CO₂ emissions from




<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



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NYSEG Billing w/ Community Solar

 **NYSEG**

Account Number: [REDACTED]
Statement Date: [REDACTED]

Service Address: [REDACTED] Page 3 of 4

NYSEG DETAILED ACCOUNT ACTIVITY

Electricity Service - Residential
Electricity Rate - 12001 NYSEG Supply Service Service from: 10/30/19 - 11/26/19
PoD ID: [REDACTED]

Meter Number	Current Meter Read Date	Current Meter Reading	Previous Meter Read Date	Previous Meter Reading	Reading Difference	Billed Usage	Billing Period
[REDACTED]	11/26/19	66624 E	10/30/19	66321 A	303	303 kwh	28 days

Type of read: A - Actual, E - Estimate, C - Customer, R - Remote and N - No read

Period End Date	Prior Excess CDG Generation	Current CDG Generation	CDG Generation Applied	Remaining CDG Generation
11/26/19	2180 kwh	2 kwh	303 kwh	1879 kwh

Electricity Delivery Charges

Basic service charge				15.11
Delivery charge	303 kwh	@	0.0403	12.21
Transition charge	303 kwh	@	0.00171179	0.52
Revenue decoupling mech	303 kwh	@	0.000024	0.01
SBC charge	303 kwh	@	0.005932	1.80
CDG generation credit	172 kwh			-14.54
Subtotal Electricity Delivery				\$15.11

Electricity Supply Charges

Supply charge	303 kwh	@	0.03429934	10.39
Merchant function charge - Oct	21 kwh	@	0.002501	0.05
Merchant function charge - Nov	282 kwh	@	0.002386	0.67
CDG generation credit	131 kwh			-11.11
Subtotal Electricity Supply				0.00

Electricity Taxes and Surcharges

Taxes on delivery charges	@	2.0408%		0.31
Subtotal Electricity Taxes and Surcharges				\$0.31
Total Electricity Cost				\$15.42
Total Energy Charges				\$15.42

Usage Chart Information

Basic service charge plus tax paid to NYSEG.

- This sample bill shows how the solar bill credits are applied to the NYSEG utility bill.
- 303 credits applied to bill
- Each month NYSEG will credit the electric accounts enrolled based on the number of credits applied and the monetary value of a credit.
- DRS will bill you the following month for the credits that NYSEG applied to your electric account at the discounted rate.
- DRS will provide consolidated billing with a summary of each account, the credits, discounts, and carbon offset.



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INVOICE

INV-02017

Delaware River Solar - Baer Road Project

33 Lower Main St.
PO Box 384
Callicoon, NY 12723

Bill To:

Date: Dec 18, 2019

Payment Terms: AutoPay

Clean Energy Discount %: 10%

Balance Due: \$23.08

Period end date on your NYSEG bill. This is also your meter read date.

Solar credits applied to your NYSEG bill.

Utility Account	kWh Credits	kWh Rate	Credit Amt
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Community Solar Bill Credits - SC1

NYSEG Account # [REDACTED] - Bill Date 11/26/2019

303 \$0.08465 \$25.65

Your NYSEG account number.

Energy charges before discount.

Environmental Impact
CO₂ Emission Savings (lbs): 472

Subtotal: \$25.65

10% Discount (10%): \$2.57

Total: \$23.08

Carbon prevented by going solar!

Terms:

Payments will be drawn in 7 days from the payment method you have on file.

For any questions about your account or this invoice, please contact DRS at (845) 414-3491 or support@delawareriversolar.com.

We thank you for your business!

DRS Bill

- DRS will bill you the following month for 303credits.
- At the discounted rate for the credits that NYSEG applied to your electric accounts.
- Consolidated billing is available for multi-account holders.



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How are my savings calculated?

- Each month you will receive solar bill credits on your NYSEG bill. DRS will bill you for those credits at a 5% discount. For example, NYSEG applies \$100 worth of bill credits to your electric account, and DRS charges you \$95 for those credits the following month.

Am I still a NYSEG customer?

- Yes, you will receive the same service from NYSEG and remain a NYSEG customer. There will be no interruptions to your service in any way. NYSEG works with us to apply the bill credits to your account.

Does community solar benefit the local community?

- Yes. In addition to providing local jobs and financial savings on community member's electricity bills, DRS's projects benefit the local communities financially through additional property taxes that go to the local towns, counties, and school districts.

If I receive my electric supply from an Energy Service Company (ESCO). Can I still participate?

- Yes, community solar is a separate program and does not restrict you from getting electric supply from an ESCO. If the ESCO charges are billed on the utility's bill, those charges are eligible for the community solar credits as well.

How Do I Sign Up?

- Contact Andy Cahill
- andy.cahill@Delawareriversolar.com



Town of Andes Outreach Campaign

**\$100 gift card per account
or donated to a
community charity fund**

**Up to 5 accounts per customer at sign up. Remaining
gift cards sent after first invoice payment received.**



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That's it

- No added cost, no hassle, no catch!
- Clean, renewable solar power
- Locally produced
- Provided to you at a discount

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For questions or to sign up?

Andy Cahill
Community Outreach Coordinator
845-586-2058
andy.cahill@DelawareRiverSolar.com

www.DelawareRiverSolar.com
Facebook.com/DelawareRiverSolar



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