

Fremont's Community Solar Farm

Thank you for your interest in Fremont's Community Solar Farm! We're pleased to offer you an opportunity to participate. Please notice there are several participation options. Here are the program parameters and answers to frequently asked questions:

Who is eligible: All Fremont Department of Utilities customers may participate!

Participation: Either purchase panel(s) and/or Solar Energy Share(s)

One panel = 43 kWh/month (Annualized and averaged over life of farm)

One solar energy share = 150 kWh/month

- Minimum participation: 1 panel or 1 solar energy share
- Maximum participation: Residential - 80% of annual kWh consumption
Commercial – 50% of annual kWh consumption

Minimum Program Length: Residential – 1 month; Commercial – 1 year

Enrollment Fee: Onetime \$30 fee, refundable (applied to your bill) after 1-year of participation

What are the options to participate in the Community Solar Farm?

- Purchase your own panel(s)
- Purchase one or more Solar Energy Shares
- Combination of panel(s) and Solar Energy Shares

What is the cost of each option? (Please see the spreadsheet below for complete details)

1) Purchase panel(s) – Each panel is \$180 (paid in advance). Purchases can qualify for Federal Solar Investment Tax Credit*. The monthly maintenance cost is \$.0277/kWh, which is billed on your monthly electric bill. You will also be credited for the coal-fired power we did not have to produce at \$.0544**/kWh for 43 kWh/month/per panel.

* - Every tax situation is different. Please consult a tax professional for tax advice.

2) Purchase Solar Energy Share(s) – Each Solar Energy Share is 150 kWh at \$.06/kWh or \$9.00 per month. However, you are credited for 150 kWh of conventional coal-fired power we did not have to produce at \$.0544**/kWh or \$8.16* per month. The net difference is \$.84** per month. Each month, the cost and credit is shown on your monthly electric bill.

** - Subject to change annually as the cost of conventional (coal-fired) power changes.

How much solar energy should you buy?

That depends upon how much conventional power you want to replace with solar power! If you want to replace 30% and you typically use 1,000 kWh per month, you might sign up for two Solar Energy Shares, or purchase eight panels, or purchase a combination of panels and Solar Energy Shares.

Can you purchase panel(s) AND purchase Solar Energy Shares?

Yes, you can purchase some of each to reach your personal renewable energy goal.

How can you participate in Fremont's first Community Solar Farm?

- Simply select the option(s) of participation to either purchase a panel(s) and/or purchase Solar Energy Share(s) on the participation agreement.
- Sign and return the agreement.

What can I do with my panels or solar energy shares if I move out of Fremont?

You can transfer your interest to someone else or to the City. If you own a panel, the City will repurchase it from you (residential accounts only).

Who can you call if you have questions?

Please call or email Brian Newton at 402-727-2610 or brian.newton@fremontne.gov



Your local utility providing safe, reliable and affordable services to the Fremont area!

City of Fremont

400 East Military Avenue
Fremont, NE 68025
402-727-2600

Monthly Cost - Residential

Residential bill of 1000 kWh with & without Solar Energy and with Solar Energy Shares & Panel purchase

Residential - Purchase 2 Solar Energy Shares to Achieve a 30% Renewable Energy Mix

	<u>Without Solar</u>			-	<u>With Solar</u>		
	<u>kWh</u>	<u>Rate</u>	<u>Amount</u>		<u>kWh</u>	<u>Rate</u>	<u>Amount</u>
Summer (Jun-Sept)							
Customer Charge			\$ 14.00				\$ 14.00
Energy Charge Summer	1,000	\$ 0.1096	\$ 109.60		1,000	\$ 0.1096	\$ 109.60
Solar Energy Charge					300	\$ 0.060	\$ 18.00
Base Energy Credit					300	\$(0.0544)*	\$ (16.32)
Total Monthly Bill (Summer)			<u>\$ 123.60</u>				<u>\$ 125.28</u>
Difference							\$ 1.68

Residential - Purchase 3 Solar Panels (\$540) and 1 Solar Energy Share to Achieve a 28% Renewable Energy Mix

	<u>Without Solar</u>			-	<u>With Solar</u>		
	<u>kWh</u>	<u>Rate</u>	<u>Amount</u>		<u>kWh</u>	<u>Rate</u>	<u>Amount</u>
Summer (Jun-Sept)							
Customer Charge			\$ 14.00				\$ 14.00
Energy Charge Summer	1,000	\$ 0.1096	\$ 109.60		1,000	\$ 0.1096	\$ 109.60
Solar Energy Charge					150	\$ 0.060	\$ 9.00
Base Energy Credit					279	\$(0.0544)*	\$ (15.18)
Solar Maintenance Charge					129	\$ 0.0277	\$ 3.57
Total Monthly Bill (Summer)			<u>\$ 123.60</u>				<u>\$ 121.00</u>
Difference							\$ (2.60)

Approximate Payback (years) after Federal Tax Credit 12

Residential - Purchase 7 Solar Panels (\$1,260) to Achieve a 31% Renewable Energy Mix

	<u>Without Solar</u>			-	<u>With Solar</u>		
	<u>kWh</u>	<u>Rate</u>	<u>Amount</u>		<u>kWh</u>	<u>Rate</u>	<u>Amount</u>
Summer (Jun-Sept)							
Customer Charge			\$ 14.00				\$ 14.00
Energy Charge Summer	1,000	\$ 0.1096	\$ 109.60		1,000	\$ 0.1096	\$ 109.60
Solar Energy Charge					0	\$ 0.060	\$ -
Base Energy Credit					301	\$(0.0544)*	\$ (16.37)
Solar Maintenance Charge					301	\$ 0.0277	\$ 8.34
Total Monthly Bill (Summer)			<u>\$ 123.60</u>				<u>\$ 115.56</u>
Difference							\$ (8.04)

Approximate Payback (years) after Federal Tax Credit 9

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