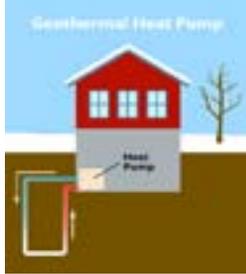


## Heating and Cooling

### Geothermal

By using the constant 52 degree thermal energy below our homes, a ground-source heat pump will eliminate the use of fossil fuels to heat your home and provide the most efficient cooling system available. The most straightforward conversions are homes with forced hot air systems. Maximum savings occur if you are currently using oil or propane. The initial investment varies from \$20K to \$50K but incentives and financing are available to reduce the cost. The system can be expected to pay for itself after several years



**Aztech Geothermal, LLC**  
518-309-2000  
info@aztechgeo.com  
www.aztechgeo.com/

**Dandelion Geothermal**  
833-GEO-4ALL  
Hello@Dandelionenergy.com  
www.dandelionenergy.com/  
Available for no cost up-front and low monthly payments that amount to less, annually, than oil or propane heating.

### Air Source Heat Pumps

Cold climate air-source heat pumps are affordable to install and provide excellent heating and cooling efficiency. Air-source heat pumps can be scaled, from one unit heating a single room to two or more heating an entire house. And new cold-climate technology can provide full heating output in below-zero temperatures, without auxiliary electric heat. Cold climate heat pumps can significantly reduce both heating costs and emissions, especially when compared with oil, liquified petroleum (LP) gas or electric heat. [www.energy.gov/energysaver/heat-pump-systems/air-source-heat-pumps](http://www.energy.gov/energysaver/heat-pump-systems/air-source-heat-pumps)

## Electric Vehicles & Plug In Hybrids

Choose a car that lets you save on gas. Charging an electric vehicle with solar means free car power!  
[www.solarizealbany.org/electric-vehicles](http://www.solarizealbany.org/electric-vehicles)  
[www.facebook.com/groups/CapitalDistrictEVDivers/](https://www.facebook.com/groups/CapitalDistrictEVDivers/)

### Electric Vehicles (EV)

**Pro:** Use no gas and require less car maintenance.  
**Pro:** Reduce your transportation carbon footprint.  
**Con:** Require planning ahead for charging.  
**Con:** Require substantial battery power for heat in winter.

### Plug In Hybrids

**Pro:** Use no gas in electric mode.  
**Pro:** Have greater range with the back-up gas powered engine.  
**Con:** Require more fuel consumption than EVs do.

### EV Charging

Generate your solar power electricity by day, then charge your EV battery any time. Plug in to a standard 110 volt outlet (Level I) or install a 220 volt charging port (Level II) for faster charging. Public charging stations are becoming common.



For more information:  
<http://caseonline.org>  
[www.facebook.com/groups/www.stopnypipeline.org](https://www.facebook.com/groups/www.stopnypipeline.org)  
(518) 781-4686  
beckyjmeier@gmail.com  
solarizealbany@gmail.com  
[www.solarizealbany.org](http://www.solarizealbany.org) / (518) 328-4SUN

April 2019

**Start saving money!  
Go Green with your  
electricity, heating,  
cooling and vehicle.**



Community Advocates for a Sustainable Environment (CASE) is a grassroots organization whose mission is to promote renewable energy.



A nonprofit volunteer citizens group helping you reduce your cost of living with solar power and electric vehicles.

## **NYSERDA Home Energy Audit**

Learn how you can reduce your electricity bills and make your home more energy efficient.

This is a great option for homeowners or landlords.



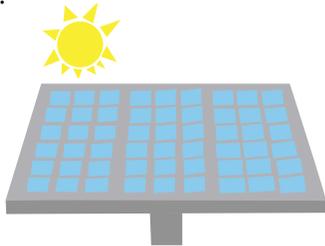
- Apply for a free or reduced cost Energy Home Audit at [www.nyscrda.ny.gov/All-Programs/Programs/Home-Performance-With-ENERGY-STAR/](http://www.nyscrda.ny.gov/All-Programs/Programs/Home-Performance-With-ENERGY-STAR/)
- Take advantage of available financing to help you fix the problems found in the audit.

## **Rooftop/Ground Mount Solar**

Own your installation and generate your own electricity. This is a great option for homeowners who have a suitable roof for solar and can take advantage of tax credits.

### **Benefits of Solar:**

- Save money every month on your electric bill.
- Reduce your carbon footprint.
- Take advantage of state and federal incentive programs that reduce the cost of solar.



**Ask these companies about buying, leasing, and financing solar panels.**

- **Apex Solar**, (518) 309-2786, [www.apexsolarpower.com/](http://www.apexsolarpower.com/)
- **High Peaks Solar**, (518) 238-3931 [www.highpeakssolar.com/](http://www.highpeakssolar.com/)

- **Lotus Solar**, (518) 369-1521 [www.lotusenergy.com/](http://www.lotusenergy.com/)
- **Monolith Solar**, (518) 444-2044, [www.monolithsolar.com/](http://www.monolithsolar.com/)
- **Seed Solar and Engineering**, (800) 580-0248 [www.seedsolar.com/](http://www.seedsolar.com/)
- **SunCommon** (formerly Hudson Solar) (866) 452-7652 [www.suncommon.com/](http://www.suncommon.com/)

## **Community Solar**

Own panels or subscribe to a solar farm and have that electricity offset your use. A good option for renters or homeowners with a poor site for solar. The rules keep changing, but as of Spring 2019, you are eligible to buy electricity from a Community Solar Installation that is located in NY and serves your utility. New companies and installations continue to emerge. Most offer a 10% discount on electricity costs.

### **Advantages over Rooftop Solar:**

- Takes 5 minutes to enroll
- No risk
- If you move, your plan might be able to move with you.
- You never have to worry about maintenance.
- You can increase or decrease your production plan.
- Maximize solar location.

**Ask about financing, tax credits and options for ownership and leasing.**

### **Sites for Information About Community Solar**

- [www.nyscrda.ny.gov/All-Programs/Programs/NY-Sun/Solar-for-Your-Home/Community-Solar/](http://www.nyscrda.ny.gov/All-Programs/Programs/NY-Sun/Solar-for-Your-Home/Community-Solar/)
- [www.solarizealbany.org/](http://www.solarizealbany.org/)

## **Companies with Community Solar Opportunity**

- **Common Energy:** [www.commonenergy.us/](http://www.commonenergy.us/) (844) 899-9763
- **SunCommon** (formerly Hudson Solar) (866) 452-7652, [www.suncommon.com/](http://www.suncommon.com/)
- **Nexamp:** [www.nexamp.com/](http://www.nexamp.com/)
- **Arcadia Power:** [www.arcadiapower.com/](http://www.arcadiapower.com/)
- **Monolith Solar**, (518) 444-2044, [www.monolithsolar.com/](http://www.monolithsolar.com/)
- **High Peaks Solar**, 518-238-3931 [www.highpeakssolar.com/](http://www.highpeakssolar.com/)

## **Community Choice Aggregation**

Work toward a CCA in your community. CCAs are programs that allow local governments to procure power on behalf of their residents, businesses, and municipal accounts from an alternative supplier while still receiving transmission and distribution service from their existing utility provider. CCAs are an attractive option for communities that want more local control over their electricity sources, more green power than is offered by the default utility, and/or lower electricity prices.

## **Consider a plant based diet**

The production of meat and other animal products places a heavy burden on the environment- from crop and water required to feed the animals, to greenhouse gases to transport for slaughter, to proliferation of disposable packaging. The vast amount of grain feed required for meat production is a significant contributor to deforestation, habitat loss and species extinction.

### **Resources:**

- [www.350nyc.org/agriculture-farming-food/](http://www.350nyc.org/agriculture-farming-food/)
- [www.climatenexus.org/climate-issues/food/animal-agricultures-impact-on-climate-change/](http://www.climatenexus.org/climate-issues/food/animal-agricultures-impact-on-climate-change/)