

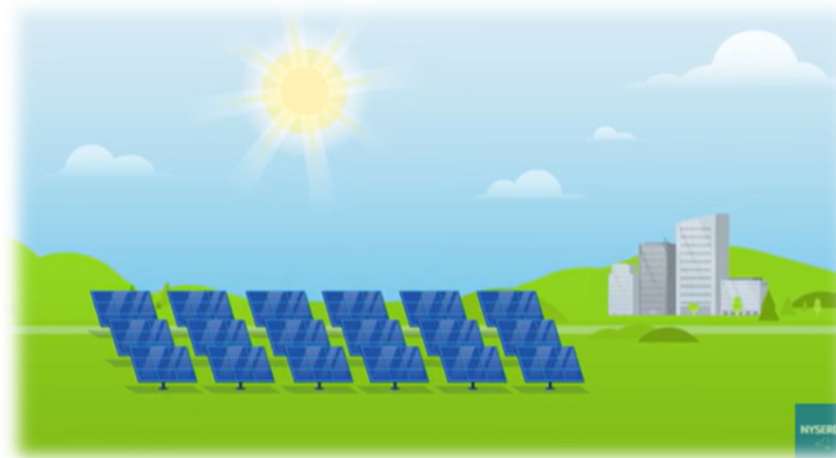
# Community Solar

# Community Solar

- Community Solar is a group of solar panels with access to the local electricity grid (the project).
- Energy from the project feeds into the local power grid.
- Businesses, homeowners, governments and institutions can subscribe to buy energy from the project.
- Subscribers earn credits on their electric bill every month from their portion of the generated energy.
- Subscribers continue to receive bills from their existing providers.

# Community Solar

According to NYSERDA: “A New York State approved community solar project should save you money on your electricity costs - whether you purchase a share of the solar panels, or you subscribe to the electricity produced from the solar farm.”



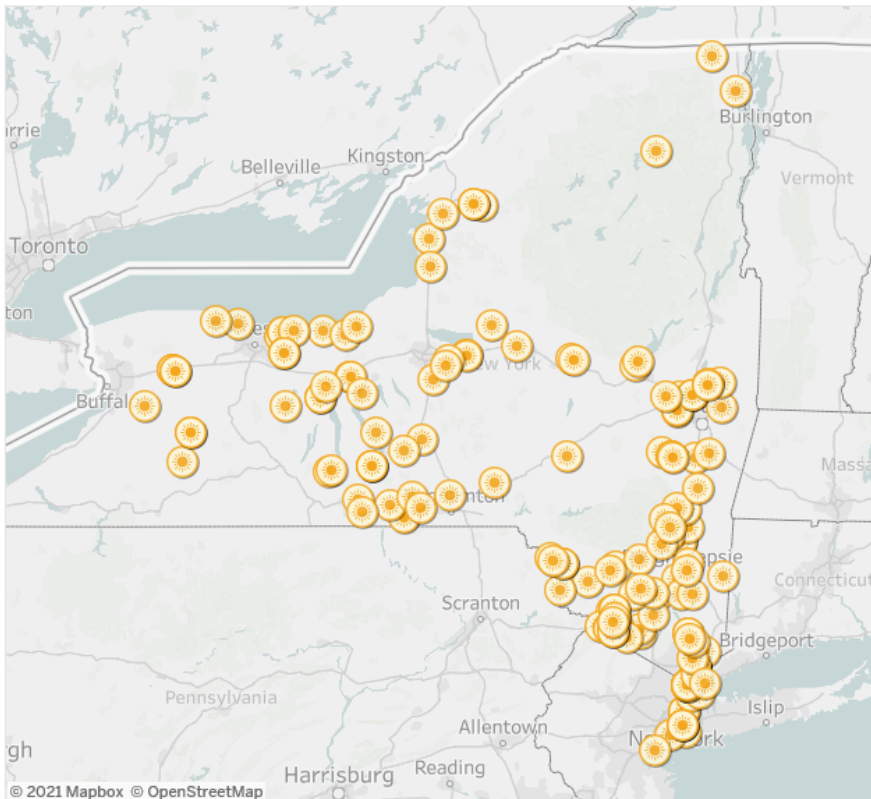
## Find a Community Solar Project

Community solar is available to New Yorkers across the State. Use our tool below to find community solar providers offering subscriptions.

1. **Select your utility provider.** The results will show the providers offering community solar in your utility's service territory. You can peruse the community solar map to see which projects are closest to you. If you are PSEG-Long Island customer, you can find a list of approved solar providers on [PSEG-Long Islands' website](#).
2. **Explore the list.** Providers are listed alphabetically with a link to their website where you can learn about availability, subscription plans and terms, and expected savings.
3. **Do your research.** To find the right subscription and know the right questions to ask, see what you need to know [Before You Get Started](#).
4. **Talk to community solar providers.** You can contact as many providers as you want to determine which subscription is right for you.

Questions or issues accessing this data should be directed to [communitysolar@nyserda.ny.gov](mailto:communitysolar@nyserda.ny.gov).

Select your utility company



<https://www.nyserda.ny.gov/All-Programs/Programs/NY-Sun/Solar-for-Your-Home/Community-Solar/Community-Solar-Map>

# Solar - Other Considerations & Benefits

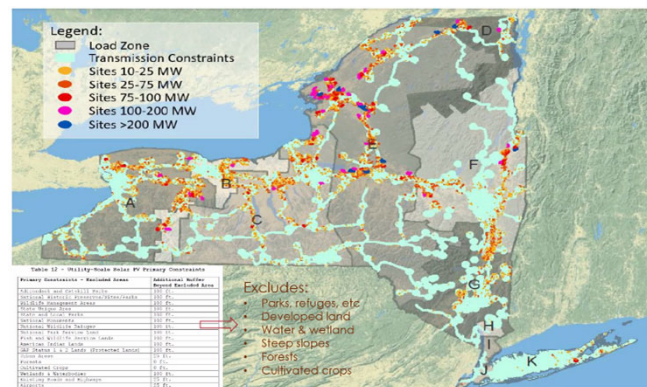
# Solar Developer Considerations

- Commercial Solar Site Considerations:
  - Proximity to three-phase power and appropriate interconnection points
  - Clear southern exposures
  - Expensive energy markets to sell to
  - Anchor purchasers for the power



# Solar Developer Considerations

- Interest Alignment with Regulatory Agencies:
  - Seeking quick permitting with minimal costs
    - ✓ Avoid wetlands
    - ✓ Avoid critical habitat
    - ✓ Avoid significant grading
    - ✓ Minimize stormwater infrastructure through limited impermeable surfaces



# Solar Benefits





## Solar - Climate Act

- In 2019, the Governor signed the Climate Leadership and Community Protection Act, commonly referred to simply as the “Climate Act.”
- The Climate Act set nation-leading targets in greenhouse gas emissions (GHG) aiming toward 70% renewable energy production by 2030, 100% carbon-free electricity generation by 2040, and an overall 85% reduction in GHG emissions below 1990 levels by 2050.
- The Act specifically calls for over 6,000 MW of solar electricity generation in New York by 2025.

## Solar Benefits

- According to the Solar Energy Industries Association, each MW of solar generation capacity is enough to power between 150 to 210 homes.
- A 5 MW solar project has the capacity to provide energy to between 750 and 1,050 homes.
  - In 49 (72%) of the municipalities wholly located in the Adirondack Park, a 5 MW solar project would have the capacity to power 100% or more of that town's residential energy needs\*.
- All the residents of Hamilton County could receive power from one 11 MW solar project\*.

\* Estimates based on an average household size of 2.8 people

## Solar Benefits

- 44% of the State's existing renewable energy generation capacity is in the North Country (Clinton, Essex, Franklin, Hamilton, Jefferson, Lewis and St. Lawrence Counties).
- Nearly 2,000 jobs in the North Country are supported by renewable energy.
- In New York State, 770 solar companies employ more than 9,000 people alone.
- Average wage of a solar industry job is \$21/hour (about \$42,000 annually) while 42% of North Country workers are in an occupation with a median salary below \$30,000 annually.

# Solar Benefits

- Community Solar programs typically save subscribers about 10% on their electricity bills, helping reduce the cost of living for residents and operating costs for businesses and institutions.



