

Inver Grove Heights Solar Project(s)

Fact Sheet

	Roof Top Solar	Community Solar Garden
Owner of Solar Panels	New Energy Equity LLC http://www.newenergyequity.com/	NRG Energy http://www.nrg.com/renewables/technologies/solar/community/
Installer of Solar Panels	TrueNorth Solar http://www.trunorthsolar.com/	M + W Group http://www.mwgroup.net/our-markets/energy/solar/
Host Sites	Roof of VMCC, Grove and City Hall	Land in Northfield, Webster, Pine Island
Length of term of contract agreement	25 years	25 years
Capital Cost borne by the City of Inver Grove Heights	There is no capital investment in the solarpanels.	There is no capital investment in the solar panels.
Who is responsible to operate and maintain the solar panel system	New Energy Equity LLC	NRG Energy
Estimated annual kWh production	Approximately 796,000 kWh annually.	We have entered into 10 contracts. Each contract is estimated to produce approximately 300,000 kWh for a total of 3,000,000 kWh annually.
How much will the City pay for solar energy?	The City will pay \$0.123 per kWh of energy produced which will be inflated by 2.5% annually	The City will pay \$0.122 per kWh of energy produced which will be inflated by 1% annually.
How much money will the City save?	It is estimated that the City will save \$27,200 annually or \$680,000 over the 25-year period. The savings come from credits provided by Xcel Energy.	If the cost of energy rises by only 1.7% annually the City will “break even” on the 10 contracts that have been signed. Xcel’s average rate increase over the last few years has been 4.3%, and if energy continues to increase 4.3% each year the City is estimated to save \$153,500 annually, or \$3,840,000, over the 25-year period. The savings come from credits provided by Xcel Energy.
Will the City save immediately?	Yes, the City should begin seeing financial savings once the system is “turned on”	Depending on the cost of energy it is anticipated that in the first few years the contracts will actually cost the City approximately \$15,000 annually. If energy increases by the average rate of 4.3% the City should start seeing a savings by year three.

How many kWh does the City of Inver Grove Heights use annually?

The City uses approximately 8,000,000 kWh of electricity annually to power everything from streetlights to parks, to City Hall, to the Veterans Memorial Community Center (VMCC). The VMCC is the largest consumer in the City using 43% of the electricity. Producing water for the City is the second largest electricity user at 32% (Water Treatment Plant, wells, water towers).

How much money does the City of Inver Grove Heights spend on electricity annually?

The electricity the City purchases costs approximately \$800,000 annually. We get 98% of our electricity from Xcel Energy and 2% from Dakota Electric.

What is Roof Top Solar?

Roof Top Solar are solar panels installed on the top of City Hall, VMCC, and the Grove which are directly connected to the City's electrical supply system. The solar panels reduce the amount of energy we needed from the "grid".

What is a Community Solar Garden?

An explanation of Community Solar Gardens can be found here: <http://www.cleanenergyresourceteams.org/solargardens>