Solar Proposal for Rockville Facilities

Solar Canopies - Energizing Existing Parking Lots

Solar canopies installed over existing parking lots provide an opportunity for the City to incorporate solar generated electricity for onsite use without sacrificing valuable real estate, parking and open space. As illustrated in the examples below, solar canopies provide shade and covered parking, are available in a variety of layout and size configurations, and can significantly increase overall energy production.

Representative photos of solar canopies over existing parking lots to maximize on-site electricity production.

Solar Proposal for Rockville Facilities

Preliminary Site Proposal

Gude (Public Works & Parks Maintenance Complex)	
Site Address	14625 Rothgeb Dr.
Baseline Annual Energy Usage	1,350,000 kWh
Proposed Solar Offset	26%
SPPA Potential Year 1 Cost Avoided	**~ $13,000**

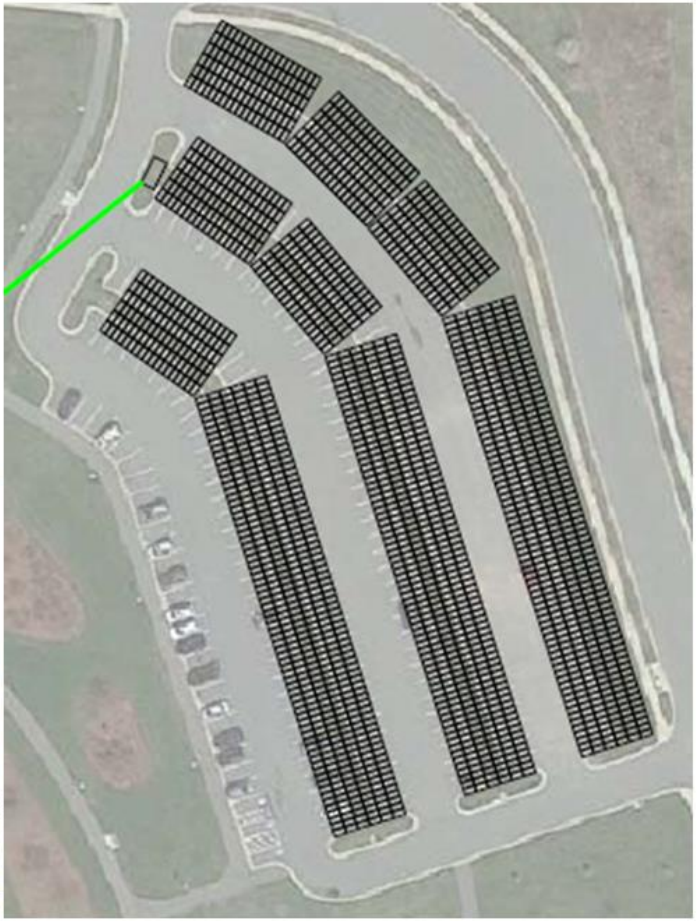
Potential solar canopies

* Conceptual estimates only.

Solar Proposal for Rockville Facilities

Preliminary Site Proposal

Mattie JT Stepanek Park	
Site Address	1800 Piccard Dr.
Baseline Annual Energy Usage	149,200 kWh
Proposed Solar Offset	524%
SPPA Potential Year 1 Cost Avoided	**~ $55,000**



Potential solar canopies

* Conceptual estimates only.

Solar Proposal for Rockville Facilities

Preliminary Site Proposal

Swim & Fitness Center	
Site Address	355 Martins Lane
Baseline Annual Energy Usage	695,520 kWh (main meter only)
Proposed Solar Offset	38%
SPPA Potential Year 1 Cost Avoided	**~ $11,000**

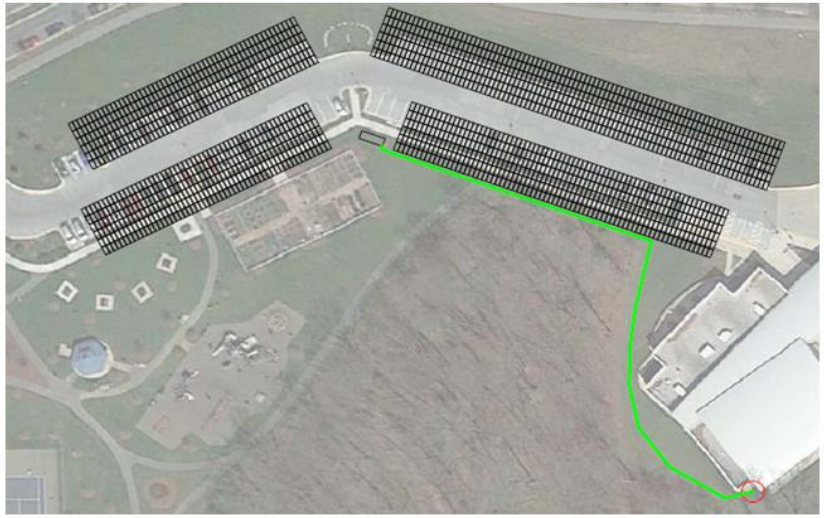
Potential solar canopies

* Conceptual estimates only.

Solar Proposal for Rockville Facilities

Preliminary Site Proposal

Thomas Farm Community Center	
Site Address	700 Fallsgrove Drive
Baseline Annual Energy Usage	389,400 kWh
Proposed Solar Offset	170%
SPPA Potential Year 1 Cost Avoided	**~ $38,000**



Potential solar canopies

- Conceptual estimates only.

**System size to be reduced due to existing natural gas easement along northern parking spaces.