Solar covered parking lot information for pilot project in each YR municipality

Per average parking stall:
Energy - 3,500-4,000 kWh/yr
CO_2 reduction – 0.56 tons/yr
Cost per stall installed ~ $15-25,000
*depending on a range of variables including number, type of structure, pre-existing civil/mechanical considerations
Simple payback ~8-12 years for Class B electrical customers (In Ontario, with its low carbon intensity and distorted rate structure, solar PV doesn't represent a high ROI project?)

Revenue from each project would remain in York Region with work done through the Vaughan Branch of Spark Power
356 Bowes Road
Vaughan, ON L4K 1K1
877-504-1606

Contact for further information:
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Funding sources: no currently active provincial or federal programs supporting this type of deployment but with elections in the works, new funding such as the clean energy partnership might again become available https://cleanairpartnership.org/cac/wp-content/uploads/2018/04/Municipal-Energy-Plan-program-slides-for-CAC-26-Jan-2018.pdf

Estimates of temperature reduction of the urban heat island (UHI) effect of asphalt shading are over 20°C. Very important remedial consideration in the context of global warming.

If decisive action isn't taken to implement alternatives to Ontario's gas-fired power, increases in GHGE are estimated to rise above 300%.

Links that could be of use for staff –
Burnaby BC parking lot consideration info for review
https://dailyhive.com/vancouver/burnaby-city-hall-solar-panel-parking-lot
Michigan State University https://ipf.msu.edu/about/news/solar-carport-initiative-earns-national-attention http://solarbyempire.com/why-solar/solar-options/118-parking-lot-canopies