

Solar PV – An Effective Distributed Energy Resource (DER)

HCE Energy Co-Developed the purpose-built solar barn in partnership with Port Dover Farms. The Energy production is under contract with the IESO and built as part of Ontario's 2009 Green Energy Act.

When implementing a large solar power plant, grid connectivity and grid capacity can account for the greatest risk and there was no exception here. Getting the production to the grid was not a plug and play and further infrastructure was needed. Having a great understanding of the rules and process along with a great relationship with Hydro One and Industry Leading partners was integral in getting the asset connected.

Clean energy to the grid aligning with the global initiative of reducing the carbon footprint, providing a long-term revenue stream for HCE Energy and their parent, The City of Hamilton. The Engineering, Procurement and Construction was completed by local trades and persons, creating employment opportunity during construction and employment services long term,

From Contract Award through development and to connection,

- Contract Award, July 2014,
- Construction started, Q3 2015,
- Commercial Operation, Q2 2017

The Cradle to Grave approach that HCE Energy took in developing this initial 600 kW DC purpose built Solar barn enabled further development of more than 3 Megawatts of Commercial Rooftop Solar Assets, further contributing to a low carbon future. The expertise gained from our solar success would be an asset to any entity looking to develop solar on a small or large scale.



HCE's Solar PV installation at a Warehouse facility in Port Dover, ON

HCE, in the last decade, has developed and built approximately 3.7 MW_e of commercial rooftop Solar PV assets in Southern Ontario. HCE, with the City of Hamilton as its single shareholder, is a developer, builder, owner, operator, and maintainer of rooftop solar assets.

With our commitment to low carbon initiatives, a strong parent organization, years of successful track record and key industry partnerships in the MUSH Sector, Private Sector and Co-operatives (such as the Hamilton Wentworth District School Board, Hamilton Port Authority etc.) we are very well positioned to support the needs of both public and private entities looking to implement Solar PV.