



MUNICIPALITY *of the*
COUNTY *of* KINGS

Media Advisory

September 23, 2021

For Immediate Release: New Solar Array on Roof of Municipality of the County of Kings Administration Building Becomes Operational

A new Solar Collector System installed on the roof of the Municipality of the County of Kings Administration Building earlier this summer is now fully operational.

Thermo Dynamics Ltd. installed the system, which features 240 photovoltaic (PV) panels and three inverters, on the roof of the 22,000 square foot municipal complex in July. Nova Scotia Power (NSP) recently approved the system for commercial operations.

“Environmental Stewardship is one of our Council’s five Key Strategic Priorities. This project is a modest beginning to what will be significant initiatives by the Municipality of the County of Kings in the alternative, green-energy sector,” said Mayor Peter Muttart.

“We know that the vast majority of our population view the reduction of greenhouse gas emissions as essential. This Council has chosen to lead by example. Because the world must act now, so must every level of government – indeed every individual.”

The solar energy harnessed by the PV panels will be fed into the building’s electrical system and sold to NSP for \$0.22 per kWh through a 20-year Power Purchase Agreement. Performance forecasts estimate that the 72 kW PV system will start off generating up to 130,000 kWh per year – enough electricity to account for approximately 50% of the energy consumed by the Administration Building in the last year.

It is anticipated that the costs of designing, procuring and installing the \$270,000 solar system will be recovered within approximately 13 years. The Municipality forecasts that the system will generate a positive return of approximately \$25,000 annually over the next 20 years, and the panels have a projected lifespan of 30 years.

The Municipality of the County of Kings worked with the Village of Canning in the successful submission of two winning bids under the Province’s competitive Solar Electricity for Community Buildings Pilot Program. Between the two sites, 144 kW of photovoltaic energy is being produced and sold to NSP under 20-year Power Purchase Agreements.

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“Kings was guided throughout the process by Aaron Long of the Alternative Resource Energy Authority (AREA), and Peter Allen of Thermal Dynamics Ltd. Both are strong subject matter experts that greatly assisted the Municipality and the Village of Canning in the submission of winning bids and in the sourcing, installation, and interconnection of the panels to the NSP grid. The Municipality thanks those gentlemen and their organizations,” said Municipality of the County of Kings Chief Administrative Officer Scott Conrod.

Conrod further noted that the input and efforts of Municipal staff were central to the project.

“On the planning side, we had to prepare bid price and related return on investment scenarios for consideration and acceptance by Municipal Council and, on the installation side, we had to ensure that our the roof of the new Administration Building would not be negatively impacted by the installation of 240 panels,” he said.

“Installation involved detailed discussions with our roofing contractor and the preparation of load-bearing pads. Thanks to everyone involved, specifically Director of Finance and IT Greg Barr and Facilities Coordinator Sean Veldhoven for their efforts.”

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Photo captions:

09-23 MOK Solar Panels 1

Mayor Peter Muttart admires the new Solar Collector System installed on the roof of the Municipality of the County of Kings Administration Building. – Contributed photo

09-23 MOK Solar Panels 2

The solar array on the roof of the Municipality of the County of Kings Administration Building features 240 panels. – Ian Swinamer photo

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