

**THE CORPORATION OF THE CITY OF NIAGARA FALLS
REQUEST FOR QUOTATION – RFQ4-2019
SUPPLY & INSTALLATION OF
SOLAR POWERED LIGHTING SYSTEMS
AT FIVE (5) CITY PARKS**

SPECIFICATIONS

1. GENERAL

- a) The Solar Powered Lighting System at each park is to be installed on its own free standing pole and base. The power supply for this light is to be a SolarOne TPT Series Solar Panel Kit. The cost per item bid is to include all labour and materials required to install the specified light; including but not limited to the luminaire, arm, tenon, pole, solar panels, batteries, lighting controller, battery enclosure, base cover, grounding and wiring, fasteners, and concrete foundation.
- b) The contractor is to note that the attached Additional Specification is for reference purposes only and it is the contractor's responsibility to ensure that the latest manufacturer's specifications and installation recommendations are being followed.
- c) All works shall conform to existing Canadian/Ontario code/standards as applicable.
- d) All equipment to be installed shall be new, not used, and be of the manufacture's latest make and model.
- e) Bidders must examine the work site for existing conditions and work requirements to satisfy themselves of all site conditions before submitting a quotation. The successful bidder, by submitting a quotation thereby agrees not to submit a specific claim for any compensation due to adverse site conditions or work requirements.
- f) The concrete foundation shall be a minimum 1.5m in depth according to the manufacturer's specifications.

2. SOLAR LIGHTING PRODUCT

The product is an RFS Series Solar Powered Lighting System. The 38W fixture has 16 high brightness LEDs, Type 3M enhanced optics and a 12V, 700mA constant current driver. One, 100W, 12V solar panel is to be installed with a top of pole mounting kit. Other features include a SO-Bright® ETL Recognized MPT15 Controller with maximum power tracking, run time extension and remote control diagnostics. The Solar Powered Lighting System is equipped with one, 118 Ahr AGM batteries, and EMI-pole mounted enclosure with one (1) battery capacity. The City of Niagara Falls is requesting NEMA 3R standard aluminum, vandal resistant, powder coated in a black polyester powder coat. Please refer to the product Identification code below for exact make and model.

[RFS-010]-35W16LED4K-T-R3M-NO-BLK-[ELW-4-002]-1A-BLK - [SPR5V-040]-20-BLK
[RFS-35W16LED4KTR3M-M712]-P100A-TP3-[EM1-1B118CA-MPT15-12V]-R0.0x20-BLK

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Product substitution: No unapproved product substitution is allowed. Contractors who wish to use an alternate product must submit a full product specification, performance information (including photometric design), warranty information, a list of references with contact information for examples of similar installations within a similar climate as Niagara Falls for a similar use. The submission must occur at least 1 week prior to RFQ closing. The City of Niagara Falls will evaluate submitted alternatives and an addendum will be issued prior to RFQ closing for any approved alternate products.

3. SITE PROTECTION

- a) The contractor is responsible for all necessary works associated with establishing and maintaining a safe construction site in accordance with the requirements of the Ministry of Labour.
- b) Any open excavations shall be protected by six foot (6') high Moduloc or equivalent fencing.
- c) The cost of site protection at each of the five (5) parks should be included in the quotation for cost per item.

4. RESTORATION

- a) The contractor is responsible for restoration of the site following construction.
- b) The cost for restoration at each of the five (5) parks should be included in the quotation for cost per item.

5. COMPLETION & WARRANTY

- a) The Contractor is to ensure the system is in commission and fully functional upon completion.
- b) The Contractor shall provide three (3) completed maintenance manuals for the installed Solar Powered Lighting Systems.
- c) The Contractor shall provide written confirmation of ESA inspection and acceptance.
- d) The Contractor shall warrant all work for one year following completion.

6. ATTACHMENTS

The drawings stated on this page are attached to the RFQ for additional information about the scope of work.

SP1 - Westfield Park, (6983 Warden Ave)

SP2 – A J McKinley Park, (4868 Chrysler Ave)

SP3 - Stamford Lions Park, (3843 Orlando Drive)

SP4 - Glenview Park, (4521 Leader Lane)

SP5 - Gustavus Munro Park, (8180 Rideau St)

Additional Specification: Niagara Falls Solar (82505)