



# Northern Ontario Wires Inc. NEW/MODIFIED LOAD CONNECTION Request

For a detailed explanation of the process required to connect new or modified commercial or industrial services to Northern Ontario Wires Inc.'s distribution system please refer to Northern Ontario Wires Inc.'s Conditions of Service, available at <https://www.northernontariowires.com/conditions-of-services>

For questions regarding this form and/or submissions, please call 800-619-6722 (Monday- Friday, 8:00am to 4:00pm) or email [customercare@nowinc.ca](mailto:customercare@nowinc.ca).

APPLICANT INFORMATION	
Name	
Company Name	
Date	

CUSTOMER Contact Information	
Customer Name	
Customer Phone #	
Customer Email	
Customer Billing Address	

CONTRACTOR/CONSULTANT Contact Information	
Contractor/Consultant Name	
Contractor/Consultant Phone #	
Contractor/Consultant Email	

LOCATION of New/Modified Connection	
Civic Address	
Lot	
Desired Temporary Connection Date	
Desired Permanent Connection Date	
Type of Operation	<input type="checkbox"/> Multi-Unit Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Institution <input type="checkbox"/> Other:
Requested Connection Voltage (V)	Low: <input type="checkbox"/> 120/240 <input type="checkbox"/> 120/208 <input type="checkbox"/> 347/600 High: <input type="checkbox"/> 16,000/27,600
Service Size (Amps)	Existing (if applicable): New or Upgrading to:
Metering Information	<input type="checkbox"/> Bulk <input type="checkbox"/> Individual    Quantity of meters:
Electric Vehicle Charging Stations	Quantity Manufacturer Model

Additional Submission Requirements (please attach when returning application form)	
<input type="checkbox"/>	<b>Grading Plan and Site Plans</b> showing the building or buildings in relation to the existing property lines, and other buildings or structures such as parking garages and loading ramps. If applicable, the plans should include vertical and horizontal views of the proposed incoming duct bank from the point of entry to the delivery point
<input type="checkbox"/>	Plan, to scale, showing the electrical room and provision for the metering equipment
<input type="checkbox"/>	Single Line riser schematic for the entire primary /secondary distribution system
<input type="checkbox"/>	Plan to install a distributed energy resource (DER) such as solar, battery storage or combined heat and power generation. Please refer to <a href="https://www.northernontariowires.com">https://www.northernontariowires.com</a> and complete and attach the provided Supplemental Embedded Generation Form
<input type="checkbox"/>	Other (please specify):

Please note that all drawings must be submitted in PDF format. A site plan must be also supplied as a georeferenced AutoCAD (.dwg) or Microstation (.dgn) format.



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Demand Information					
<i>OPERATING HOURS</i>					
Expected Start Time					
Expected Stop Time					
Number of Shifts in your Operation					
<i>PEAK DEMAND LOAD</i>					
Existing demand (kW)					
Proposed demand (kW) on total facility					
Expected months to reach Proposed demand (kW)					
Expected total Demand (kW) per year	Year 1	Year 2	Year 3	Year 4	Year 5
<i>Where multiple feeders are required to supply the facility, indicate demand division per feeder below</i>					
Proposed demand (kW) on Feeder 1					
Proposed demand (kW) on Feeder 2					
<i>MOTORS (Industrial Facilities ONLY)</i>					
<b>Provide an Excel spreadsheet listing all motors rated 500hp and above and include the following parameters:</b>					
<ul style="list-style-type: none"> <li>• <b>rated hp</b></li> <li>• <b>rated kVA</b></li> <li>• <b>rated voltage</b></li> <li>• <b>NEMA code</b></li> <li>• <b>X"d (in % of rated kVA)</b></li> <li>• <b>motor type (induction or synchronous)</b></li> <li>• <b>starting method (VFD, soft start, or breaker)</b></li> <li>• <b>number of starts per hour and per day</b></li> <li>• <b>indicate if motor is connected to Feeder 1 or Feeder 2</b></li> </ul>					
<b>Indicate which motors are likely to start simultaneously. Where more than one feeder is requested, indicate the motors that will be connected to either Feeder 1 or Feeder 2.</b>					
<i>LIGHTING – please complete this section if total peak (lamp) demand is greater than 500 kW</i>					
Type (ie. LED, HID, Incandescent, etc.)					
Primary Voltage					
Total Peak Demand in kW					
Power Factor					
Diversity Factor					
Total Harmonic Distortion (THD)					
<i>WELDING MACHINE</i>					
kVA					
Primary Voltage					
Maximum Primary Current (Amps)					
Power Factor					
Frequency of operation of each machine (welds/minute)					
Number of welders operated simultaneously					
Duration of welds for each machine					

Additional Comments:

Please email completed forms and supporting submission documents to [customercare@nowinc.ca](mailto:customercare@nowinc.ca).