

1 **Q. Further to the response to PUB-NP-081, define the functions and usual assignments**  
2 **(generation, transmission and distribution, substations) of technologists, industrial**  
3 **electricians, and industrial millwrights.**  
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5 A. Engineering Technologists typically have assigned duties in all aspects of Newfoundland  
6 Power's electrical network and provide engineering and operations support to all  
7 engineering disciplines within the Company. They provide support in developing and  
8 maintaining design, material, and construction standards; provide supervision to  
9 construction crews and contractors; implement programs and procedures for the  
10 development and operation of power systems; prepare engineering reports to identify,  
11 evaluate, and make recommendations for system upgrades to the power system;  
12 undertake feeder monitoring and modeling to ensure safe and efficient delivery of power  
13 and electrical system loading. Engineering Technologists also interact with developers  
14 and contractors; obtain approvals from regulatory bodies; and prepare estimates and  
15 material lists.  
16

17 Industrial Electricians work with the electrical components that comprise substation and  
18 generation assets. They are responsible for the installation, assessment and maintenance  
19 of electrical equipment such as transformers, breakers and generators, protection and  
20 control equipment including relays, programmable logic controllers and electronic  
21 instrumentation and other associated equipment in the Company's substations and  
22 generating plants. In large part work assignments for Industrial Electricians are managed  
23 through the asset management system where they are responsible for the completion of  
24 work orders and maintenance reports.  
25

26 Industrial Millwrights normally work with generation assets. They are responsible for  
27 performing installation, inspection and maintenance of mechanical equipment associated  
28 with hydro, diesel and gas turbine generation facilities. Mechanical equipment includes  
29 turbines, valves, gates, cooling systems and fuel systems. The work assignments for  
30 Industrial Millwrights are managed through the asset management system where they are  
31 responsible for completing work orders and maintenance reports. In addition, they are  
32 responsible for operating hydro plants, diesel and gas turbine plants, operating and  
33 maintaining dams and waterways along with performing routine maintenance on all plant  
34 property like penstocks and gatehouses.