

1 Q. **Reference: Project 25: Distribution Equipment SCADA Additions – Phase I (2027–2028) page 1**

2 What are the differences between Hydro’s Supervisory Control and Data Acquisition (“SCADA”)
3 system and its Energy Management System (“EMS”)?

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6 A. Newfoundland and Labrador Hydro’s (“Hydro”) Supervisory Control and Data Acquisition
7 (“SCADA”) system is one component within its broader Energy Management System. The SCADA
8 system collects real-time data from hardware like sensors, valves, and circuit breakers, and
9 allows operators to control physical equipment remotely. The Energy Management System
10 analyzes the energy data collected to optimize power usage, forecast generation, reduce waste,
11 and lower utility costs (such as deciding when a battery should charge or discharge based on
12 market prices).