

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

2 Quantify the amount of delay in outage restoration due to the lack of remote operating and
3 monitoring capability using SAIDI and CHI.

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6 A. Delays in outage restoration time cannot be accurately quantified in terms of SAIDI¹ and CHI.²
7 Outage restoration time depends on many factors, including mode of failure, location, weather,
8 outage identification, and solution identification. An example of a restoration delay would relate
9 to the location of the fault. Should a fault be found a great distance from a substation, the crew
10 would have to isolate the system in the station, travel to the location of the fault, and travel
11 back to the station to determine if the fault had been cleared. With remote control, isolation
12 devices can be operated with the crew still at the fault location, saving the travel time to and
13 from a substation. If the fault has not been cleared, further travel time back to the fault location
14 is not required multiple times.

¹ System Average Interruption Duration Index ("SAIDI").

² Customer-Hours Interruption ("CHI").