

Ameren Missouri
Case Name: ER-2022-0337
Docket No(s): 2022 Electric Rate Review

Response to Discovery Request: OPC 2-OPC 2009
Date of Response: 12/7/2022
Witness: N/A

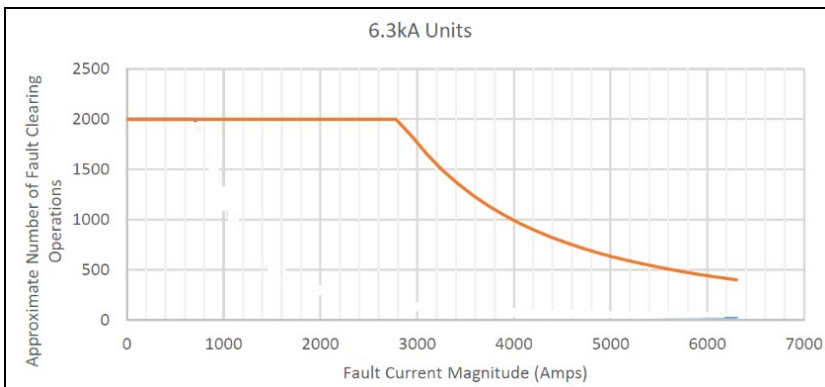
Question:Regarding Tripsavers (cutout reclosing devices in place of fuses on the distribution system):

- f. What is the cost of a Tripsaver?
- g. What is the useful life of a Tripsaver?
- h. What is the cost of a fuse replaced by a Tripsaver?
- i. What is the estimated average cost of a truck roll to replace a fuse that a Tripsaver replaces?
- j. How many fuses have been replaced with Tripsavers on Ameren Missouri's distribution system in its test year?
- k. How many fuses have been replaced with Tripsavers on Ameren Missouri's distribution system to date?
- l. How many fuses does Ameren Missouri plan to replace with Tripsaver on Ameren Missouri's distribution system?

Response:

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Title: Senior Director, Operations Excellence
Date: 12/2/22

f. The average cost of a Tripsaver is \$2,900
g. The manufacturer defines life as the number of allowable operations. The amount of fault current that is interrupted during an operation can reduce the number of operations and therefore the useful life. The below graph provides the number of operations based on the fault current.



- h. The average cost of a 100T fuse is \$75.
- i. The estimated average cost of a truck roll to replace a fuse is \$1,000.

- j. From 4/1/21-3/31/22, 635 Tripsavers have been installed.
- k. As of 12/1/22, 1,414 Tripsavers have been installed.
- l. We plan to install ~2,800 Tripsavers, which would be fewer than 10% of the fuses on the system, by 2026. After 2026, we plan to continue to evaluate opportunities to replace fuses with Tripsavers based on the Worst Performing Circuits (WPC) and Multiple Device Interruption (MDI) lists.