Exhibit No. 186

Staff – Exhibit 186
Response to DR 440
File No. ER-2022-0337

Ameren Missouri's
Response to MPSC Data Request - MPSC
ER-2022-0337
In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Adjust Its Revenues
for Electric Service

No.: MPSC 0440

(1) Provide any and all data supporting the slide decks attached to Ryan Arnold's Direct Testimony. (2) Please explain the source of asset age/vintage data included on the slide decks for each category separately: system hardening, substations, underground cable upgrades, revitalization of the Downtown St. Louis underground network, grid resiliency, and smart grid technology. DR requested by Claire Eubanks (Claire.eubanks@psc.mo.gov <mailto:Claire.eubanks@psc.mo.gov>)

RESPONSE

Prepared By: Joe Wondolowski
Title: Manager, Capital Planning and Analysis
Date: 12/19/22

(1) Please find attached the age data for underground cable, substations, and poles which supports the slide decks attached to Ryan Arnold's Direct Testimony and was previously provided to Staff and OPC in late April

(2) System Hardening – Asset age/vintage data for this category uses pole age as a proxy for the age of the circuit and is obtained from our CDIS SCHEMA in GISAWMP system. This represents the data input during CDIS inspections that included the age of the pole inspected.
Substation CBM – Asset age/vintage data for this category is obtained from an extract from our EMPRV system.
Underground Cable - Asset age/vintage data for this category is obtained from an extract from our ESRI mapping system. ESRI provides information on the wire type used and with that is combined with information from our Standards team of the wire types used during specific historical timeframes for each of the four vintages listed in the slides.
Grid Resiliency - Asset age/vintage data for this category is based on data from the System Hardening and Substation CBM categories.
UG Revitalization – Asset age/vintage data for the PILC cables in this category were compiled by several subject matter experts around 2019 based on a study of the system and their knowledge on which substations were utilizing this type of cable and a combination of manual and electronic records containing the original installation year.
Smart Grid – Asset age is not applicable to investments in this category.