



GRAND RAPIDS PUBLIC UTILITIES COMMISSION AGENDA ITEM

AGENDA DATE: May 08, 2024

AGENDA ITEM: MN North College – Itasca Student Presentation on Electric Vehicle Impact

PREPARED BY: Chad Troumbly, Electric Department Manager

BACKGROUND:

To support our local community, GRPU often partners with Minnesota North College – Itasca by providing opportunities for students to work on actual projects for the utility. This spring, four second-year engineering students selected one of our projects as part of their Engineering Design IV course, a class that helps students gain insight into the personal, interpersonal, ethical, and professional topics required for success in their education and their profession.

Isabella Hass, Caleb Bearley, Rodney Kuschel and Dylan Malsed worked this past semester on researching the effect that charging an electric vehicle at home would have on the transformers feeding homes. They utilized real meter data along with power specifications of commercially available charging stations in a typical neighborhood served by GRPU.

The students will present their research findings at the Commission work session meeting.

RECOMMENDATION:

Review and discussion only.