

**Project Description**

1. Needs Identification

25 KV breakers are 38 years old, parts are no longer available and need to be replaced to ensure reliable on going power supply for the hospital.

2. Relevant Background and Current Situation

25 KV breakers are 38 years old, parts are no longer available. This is a breaker set of three which need two of the three solenoids custom built in California to be installed later this year. Parts of these breakers (solenoids) have already failed which is why we are getting new ones built. There are also manual trip handles which are broken, meaning we have 3/8 nut drivers with sockets to do manual trips if needed. The breakers have a main breaker that feeds two sub breakers. If the main fails we will need to run our all four generators forever until we are able to determine a solution. If the sub that feeds the emergency powered leg fail we are toast on the emergency powered equipment but the generators will run forever. If the sub that feeds the non-emergency leg fails, we would lose the non-emergency powered equipment and all of the the new ER. That said, the new ER would be ok but the ER generators would then run forever until we have a fix for that sub breaker...but parts are the issue so no fix can be done or a manufactured part needs to be made.

3. List reasonable alternatives/options for the project

Maintain the status quo. Have replacement parts manufactured in advance for those parts most likely to fail.

4. Recommended solution

Retrofit existing equipment to new as per attached proposal.

5. Equipment Purchases (if applicable):

If replacement, enter the tag number(s) of the old equipment:

Fiscal year:

Equipment Utilization (last 3 years):    Projected Utilization (next year):

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Will the equipment have an impact on operations (negative or positive)? If yes, provide a description below.

**6. Project Scope**

As per attached proposal.

**7. Service Provision During Project Implementation**

8. Innovation: Is this project innovative? Not innovative If yes, describe how:

**9. Desired Outcomes:**

Installation of current and reliable equipment to ensure continuous power supply for the site.

**10. Strategic Alignment:**

[2025 Strategic Plan](#)

Priority 5 - Modernize capital infrastructure and equipment to meet the needs of Northerners




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