

FCR 16

Office of the President
December 15, 2020

Members, Board of Trustees:

IMPROVE BUILDING SYSTEMS – UK HEALTHCARE
(GOOD SAMARITAN HOSPITAL EMERGENCY GENERATOR UPGRADE)
CAPITAL PROJECT

Recommendation: that the Board of Trustees approve the initiation of the Improve Building Systems – UK Healthcare Capital Project (Good Samaritan Hospital Emergency Generator Upgrade).

Background: Pursuant to Administrative Regulation 8:2, any capital project with an estimated cost of \$1,000,000 or more must be approved by the Board prior to initiation.

This project will upgrade the emergency power system in the Good Samaritan Hospital facility to a level required to properly support the current load requirements.

Good Samaritan Hospital presently utilizes two 750 kilowatt diesel generators. These are connected so that each generator supplies approximately one half of the facility load, but each may supply the entire load in the event of a failure. This is done by automatic switching; the generators do not operate in parallel. In order to maintain redundancy in the generation the total load of the facility must be kept below 900 amperes. This limit will allow operation at 80% of the nameplate capacity and maintain some reserve for varying loads and inrush from randomly starting equipment.

The project will add a new interior 750 kilo-volt-ampere generator and connect in parallel with the existing two. In this configuration, two generators will support the facility. The third generator will be redundant and allow for routine maintenance without compromising the emergency operation of the hospital. The resulting design capacity will be 1800 ampere at 480 volts. This additional generator will be placed in the existing paint shop and two adjacent storage areas.

This \$1,900,000 project, authorized by the 2020 Kentucky General Assembly, is within the total legislative authorization of \$50,000,000 and will be funded with agency funds.

Action taken: Approved Disapproved Other _____



Imagery Source: Pictometry (Spring 2020)
Created by UK Facilities Information Services
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