South Nassau COMMUNITIES HOSPITAL
where quality matters

Southwest Addition –
Central Utility Plant & Emergency Electrical Infrastructure

Project Overview
In conjunction with the hospital's plan for the construction of the Southwest Addition, the hospital must upgrade and advance the capabilities of its emergency electrical system and Central Utility Plant (CUP). The proposed parking structure will incorporate a modernized, energy and sound-efficient CUP.

Rendering of Southeast Parking Structure.

Community Benefits
The project will fortify the Oceanside campus' electrical, heating ventilation and air conditioning systems against future storms and benefit the community by using energy resources more efficiently. The CUP will be resistant to flooding and can withstand hurricane-force winds. The CUP will be encapsulated by a protective acoustic screen that helps minimize noise. The project will greatly bolster the hospital's ability to provide uninterrupted vital medical services to the community, even during major disasters like Superstorm Sandy in October 2012, during which time the hospital remained completely operational.

Project Details
Need – While well-maintained, much of the equipment in the hospital's CUP, which feeds power, heating, and cooling water, is nearly *60 years old*. Along with the modernization and upgrade of its equipment, the CUP will be designed and sized to provide sufficient capacity to the hospital campus upon the completion of the 4-story Southwest Addition.

Proposal - A modernized CUP will allow the hospital to provide critical health care services in a well-maintained environment and ensures that the hospital functions before, during and immediately after an event**.** The plan for the new Central Utility Plant calls for the installation of the latest advancements and technologies in emergency power, heating and cooling water systems for hospitals. The project will supplement the upgrades to the Hospital's emergency back-up power system that is called upon to withstand power outages resulting from severe weather and other events.

Cost Estimate

Scope	Cost Estimate
Total Project	$93,000,000*

**Some FEMA funds will help pay for part of this project, which will harden South Nassau's emergency capabilities in the event of another disaster like Superstorm Sandy, protecting medical services for the entire South Shore of Nassau County.*

FEMA and HUD will provide a total of $158M for the Southwest Addition, Central Utility Plant, Emergency Electrical Infrastructure and Long Beach Medical Arts Pavilion (including $4M from HUD). However, the total cost of these four projects is estimated to cost $278M, including the $28 million parking structure in Oceanside. The difference will be made up by South Nassau from its own resources.