Georgetown hospital energy storage

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The Building Energy System Optimization (BESO) Program will be a campus wide initiative to upgrade facilities inside the buildings and make them more efficient. Starting with the North-East Quad, the program will continue with improving the Medical Center, then the Central Campus, and finally, the Central Plant and surrounding buildings.

Construction Timeline:September 2023 - April 2024

Impacted Facilities:Arrupe Hall, Reiss Hall

Impacted Systems:Air conditioning, domestic hot water

Primary Benefits:Efficiency/sustainability, reliability

Arrupe Hall will be the location for Georgetown"s first heat recovery chiller, the "workhorse" in the effort to reduce building energy use. It does this by efficiently creating chilled water for air conditioning, and then sending the byproduct heat into the hot water system. This waste heat is typically vented into the atmosphere via cooling towers, but Georgetown will make use of it to heat its residential facilities, reducing the building"s energy consumption by over 40%. It will also support the Henle Redevelopment project"s HVAC needs. Reiss will be disconnected from steam and the heat will be provided via hot water from Arrupe. Controls of the HVAC systems will also be upgraded, which will improve comfort while generating savings.

Expected Construction ImpactsHot water piping will be installed between September 2023 and February 2024. The most disruptive construction work - including installation of new equipment and a temporary domestic hot water outage - will take place mid-October.

Any impacts to the building"s HVAC will be communicated through PFM liaisons.

Construction Timeline:December 2023 - June 2024

Impacted Facilities:New Research Building, Basic Science Building

Impacted Systems:Air conditioning and heating, ventilation, domestic hot water

Primary Benefits:Efficiency/sustainability, comfort, reliability

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