

# Breadth Proposal



## Geisinger Hospital for Advanced Medicine Danville, Pennsylvania

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Mechanical Option

## Proposed Breadths

### Electrical

The installation of a CHP plant would require some redesign of the electrical systems. Instead of all the electricity being supplied by the utility, most of it will be coming from the CHP plant. However a hook-up to the utility will still need to remain for when loads exceed the CHP plant's capacity and in case of any equipment maintenance needed.

### Architectural

The installation of the CHP plant will require a redesign of the boiler plant housing, the building will probably have to be resized to make room for the new equipment. Also the installation of a DOAS may open up more space in the hospital on the fourth floor, due to the decreased sizes of the air handling units in the fourth floor mechanical room.