

NEWS

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For Immediate Release
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Bay Area Hospital prescribes powerful solutions for energy waste *Energy-efficiency strategies reduce consumption and lower operating costs*

COOS BAY, Ore. — August 23, 2013 — Bay Area Hospital, a regional medical center serving Oregon's south coast communities, carefully planned all aspects of a four-story, 110,000-square-foot addition to its main hospital campus. The result is a modern healthcare facility that expands patient services and incorporates the latest in energy-saving heating, cooling and lighting technology to help reduce energy consumption and lower operating costs.

Open to patients since March 2013, the new building is expected to reap annual energy savings of 390,833 kilowatt hours of electricity and 47,339 therms of natural gas. Energy Trust of Oregon provided Bay Area Hospital with cash incentives of \$93,194 toward the cost of the early design planning and energy-saving features.

According to Karl Delzotti, director of facilities, Bay Area Hospital, hospitals by their nature consume large amounts of energy through lighting, heating and cooling and refrigeration. "Caring for patients at Bay Area Hospital is a 24/7 endeavor so we never close, we never shut down, and our heat and lights are always on. There are a lot of mechanical and clinical systems in a hospital that are operational all the time," he said.

As the clinicians were planning for innovative ways of caring for patients and expanding health services through the new addition, Delzotti's team had an opportunity to design building systems that would minimize the facility's impact on the hospital's annual energy budget. Bay Area Hospital worked closely with its architects and engineers, as well as Energy Trust, to come up with a slate of excellent solutions appropriate for a healthcare environment.

The hospital had implemented several energy-efficiency upgrades to its existing buildings over the years, but this new construction was the first opportunity to achieve energy-efficiency and sustainability goals by working from the ground up. A key feature of the new building is a heat recovery system that captures energy generated by mechanical, electrical and computer systems and brings it back into the building's heating system.

"Rather than discharge waste heat to the atmosphere, we actually put it back to work heating our building and our domestic hot water system. We expect to save up to \$65,000 in annual natural gas costs with this system alone," explained Delzotti. "The energy savings to date have been as good as promised, if not better."

The hospital installed LED lighting systems throughout the new building in combination with daylighting strategies to use energy more wisely. Delzotti selected LED technology both for its energy-saving features and for its long lamp life to reduce maintenance and repair costs. Also installed were a highly-efficient chiller, condensing gas water heaters and gas-fired condensing boilers. In addition to investing in energy-saving technologies, the hospital designed

the building addition to be as mechanically independent as possible in the event of a local seismic occurrence or other natural disaster.

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