



PeaceHealth Care System

Investment Grade Audit and Commissioning Services

About the Facility:

Founded in 1890, PeaceHealth is a not-for-profit Catholic Healthcare System offering services for urban and rural communities throughout the Northwest, including Washington, Oregon and Alaska. With approximately 16,000 caregivers, 1,200 providers and ten medical centers, PeaceHealth continues to achieve its mission of promoting personal and community health, relieving pain and suffering, and treating each person in a loving and caring way. One of PeaceHealth's core values is stewardship which entails responsible allocation and utilization of human, financial and environmental resources. In order to exemplify this, PeaceHealth sought to have an ASHRAE Level II audit performed to ensure that the system was prudent in its utilization of energy from both a financial and environmental perspective.

Scope of Work

Sain Engineering Associates, Inc. (SEA) was contracted to perform ASHRAE Level II audits for nine of the ten medical centers that are part of the PeaceHealth system. Onsite assessments included: meeting with local and regional facility staff; surveying the building envelope, domestic water plumbing, HVAC and Building Automation System (BAS); development of energy conservation measures (ECMs); and implementation of energy management and monitoring. Examples of some of the ECMs identified, include:

- **Retro-Commissioning:** Identified operational improvements to increase occupant comfort and save energy
- **BAS Upgrades:** Updated BAS capabilities of facilities to make proper use of energy-savings sequences
- **Chiller Plant Optimization:** Improved operation of chiller plants to increase efficiency
- **Fuel Cells / Combined Heat and Power (CHP):** Used fuel cells or CHP to provide increased energy efficiency and necessary essential coverage in emergency situations
- **Reverse Osmosis (RO) for Clean Steam Generators:** Installed RO system to provide improved water quality and efficiency while reducing scale.

SEA identified 78 ECMs that equate to \$2 million in annual energy and operational savings for a total of \$39 million in life-cycle savings across 4.9 million square feet of the nine medical centers.

SEA helps PeaceHealth identify \$2M in annual energy and operational savings for nine medical centers.

\$2M

Annual Estimated
Cost Savings

9

Medical Centers

4.9M

Square Feet

