



# Talisen's ESP Energy Management for Healthcare

Enterprise Sustainability Platform (ESP)

### Clients:

Fulton State Hospital - MO Dept. of Mental Health  
SSM Health Facilities - St. Louis Area

### Project:

Energy Management

### Vision:

- Implement Utility Bill Management Module for Fulton State Hospital & SSM Health Facilities
- Provide multiple years of historical utility bill data for detailed utility bill analysis
- Utility Bill Analysis for 918,000+ Sq. Ft. (Fulton) and 4,000,000+ Sq. Ft. (SSM)
- Deploy Building Analytics at St. Clare Hospital to analyze 6,000+ BAS points
- Analysis of 600+ Variable Air Volume (VAV) Boxes, Zone Temperatures and Setpoints at St. Clare Hospital



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## Executive Summary

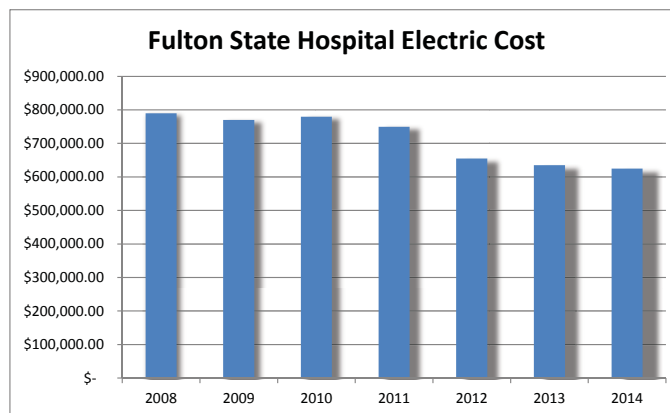
Fulton State Hospital opened in 1851 and is the first and oldest public mental institution west of the Mississippi River. Fulton State Hospital consists of four treatment units including maximum-security, intermediate security, developmentally disabled and the Sexual Offender Rehabilitation and Treatment Service program. The Enterprise Sustainability Platform (ESP) was implemented to provide utility bill management and analysis across 918,000+ square feet.

Talisen also partnered with M360 to deploy the ESP solution for the SSM Health facilities in the St. Louis area. Talisen implemented the Utility Bill Management module for SSM Health's seven local locations providing multiple layers of historical utility bill data for detailed utility usage analysis as well as determining energy usage baselines from the utility bill accounts.

### Project Description

**Fulton State Hospital:** Talisen deployed the Enterprise Sustainability Platform (ESP) solution at Fulton State Hospital (918,820 sq.ft.) as a part of the State Of Missouri Deployment and the site has showed savings over the last 7 years.

The State has used our ESP solution to assist in addressing areas of concern within the hospital and to help in planning ECMs over the years to upgrade boilers and chillers.



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SSM Health Facilities: Talisen also developed a series of financial summary reports that are used by SSM on a monthly basis - Baseline versus Actual Energy Consumption & Costs and Monthly/Year-to-Date/Rolling Annual SSM reports.

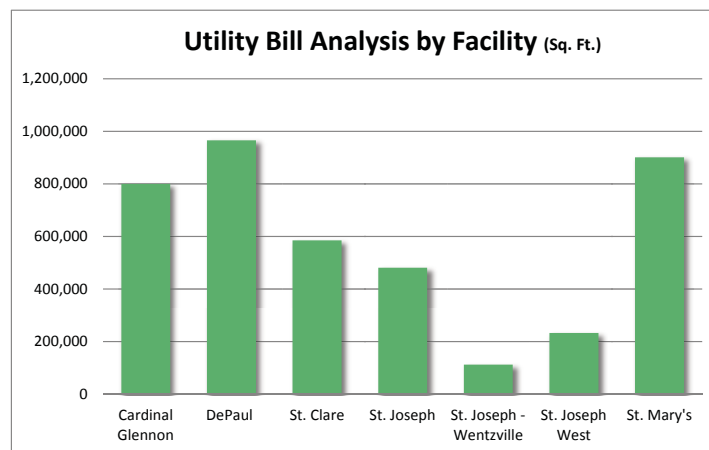
Building Analytics were deployed at the St. Clare Hospital to analyze over 6,000 Building Automation System (BAS) Points. The BAS data was used to analyze the systems for the Retro Commissioning (RCx) project and the ongoing Continuous Commissioning (CCx) project. This allowed the simultaneous analysis of over 600 Variable Air Volume (VAV) Boxes and their associated Zone Temperatures and Setpoints as well as allowing each type of equipment in the hospital to be quickly analyzed and prioritized by the RCx commissioning team. SkyFoundry Software was implemented to provide detailed analytic rules that were applied to the BAS equipment.

**ESP in SSM:**

- Utility Bill Management for 7 local locations
- 6,000+ BAS Points
- 600+ VAV Boxes

Talisen's solution has been used for Utility Bill Analysis and Annual Budget setting for the following SSM Health sites since 2013:

- 800,000+ Sq. Ft. Cardinal Glennon Children's Medical Center
- 966,000+ Sq. Ft. DePaul Health Center
- 585,000+ Sq. Ft. St. Clare Health Center
- 481,000+ Sq. Ft. St. Joseph Health Center
- 112,000+ Sq. Ft. St. Joseph Health Center - Wentzville
- 233,000+ Sq. Ft. St. Joseph Hospital West
- 901,000+ Sq. Ft. St. Mary's Health Center



Talisen is currently under contract with the Memorial Health System and HSHS - Hospital Sisters Health Systems.