

## Energy and Facilities Information Management Solution

The Energy and Facilities Information Management Solution is a turn-key solution for the consolidation and management of enterprise resources and processes in a secure and easily accessible web-based environment. Through this environment facility information is presented in real-time, allowing for immediate corrective response or proactive avoidance. This solution, through process improvement and changes to the strategic planning model, offers direct energy and maintenance savings as well as cost avoidance in the areas of capital procurement and communications.

The program is comprised of five interconnected silos: Global Access Facilities Portal (GAFF), Enterprise Energy Management (EEM), Business Process Management Suite (BPMS), Facilities Communication Infrastructure (FCI) and Utility Usage and Cost Reporting (UUCR).

### TEAM CO-OP:

TEAM CO-OP represents industry leaders in the fields of construction, controls, real-estate, software, energy management, network engineering, collaborative solutions, computer-aided facilities management and business process management. That focus on realizing rapid and quantifiable cost savings in five areas: Utility Usage Cost Reporting, Enterprise Energy Management, Facilities Communications Infrastructure, Portal Collaboration and Business Process Management Implementation and Improvement. For more information visit <http://www.teamcoop.org/>

### Global Access Facilities Portal (GAFF)

#### Purpose

- Provide centralized and secure role-based access into energy and maintenance management applications.
- Allow users to observe energy usage and maintenance requests and affect changes in real-time.
- “One-stop” access to each of the project pillar applications: AEM, UBM, IT/Communications Assessment and BPMS.
- Provide an organization-wide federated authentication and authorization mechanism, allowing a common login and access to the majority of applications and data sites.

#### Benefits / Return on investment (ROI)

- Enhanced data accessibility, integrity and transfer velocity.
- Remote application access necessary to support mission needs during required operational windows.
- Readily accessible archive/repository of project data, improving the consistency of data used by all stakeholders, thereby reducing misinformation and errors.

### Enterprise Energy Management (EEM)

#### Purpose

- Enable a highly integrated and automated approach to energy use analysis, energy use management and facility equipment maintenance management.
- Incorporation of enterprise-level analytics, real-time reporting and dashboard views of operational efficiency.
- Verifiable, goal-oriented management of all facilities; allowing the consolidation of the many independent stand-alone facility systems into a common “information based” managed network.

#### Benefits / Return on investment (ROI)

- Energy savings of 10-15%.
- Maintenance savings of 20-30%.
- Near real-time reporting on energy consumption and related metrics, allowing rapid reaction to changing consumption and weather variables.
- Decreased cycle time in re-commissioning analysis providing valuable justification for capital plant expenditures.

## Business Process Management Suite (BPMS)

### Purpose

- Reduce material and labor costs incurred for facilities capital acquisition/project management and ongoing facilities maintenance operations.
- Optimize and standardize processes, ensuring best practice compliancy by staff, and adherence to defined policies and procedures.

### Benefits / Return on investment (ROI)

- Streamlined Operations: A 100% web-enabled, integrated application suite allowing trained users to define, execute and monitor business processes from beginning to end, eliminating redundancy and reducing costs as a normal part of doing business.
- Gained Visibility: Through secure, web-based graphical dashboards, managers will be able to monitor business performance and analytical information in order to gain awareness of department operations, procurement activities and facility maintenance.
- Create Accountability: Via the portal, managers can delegate work, track deadlines, automate escalations, and monitor performance while enforcing personnel accountability for results through reports and audit trails.
- Drive Policy: A sophisticated rules engine will allow decisions to be made by business rules to ensure management policy is integrated and enforced during day to day process execution.

## Facilities Communications Infrastructure (FCI)

### Purpose

- Provide visibility into the current and expected network connectivity of remote and possibly outdated facilities; specifically those facilities identified for AEM implementation.
- Address the determination of provisioned circuit access, related charges and available and optimized connectivity.

### Benefits / Return on investment (ROI)

- Through the discovery and aggregation of network connectivity (reduction of circuits) and the aggregation of circuit purchasing, a substantial savings is achievable on a per-instance basis.
- Reduced cost through the consolidation of network management services and reduced procurement costs through negotiations for services/equipment within a larger enterprise environment.
- Consolidation of duplicate circuits for multiple agencies at co-located facilities.

## Utility Usage and Cost Reporting (UUCR)

### Purpose

- Development of an interface through which utility bills will be entered, subsequently triggering a payment to the utility provider.
- Development of a Utility Electronic Data Interchange (EDI) Connector through which bills will be received electronically and entered automatically into the utility bill interface.
- Development of a consolidated view into historical utility bill data, including trending information.
- Leverage utility bill and tariff information to make load-shaping decisions and also analyze how generation resources can be utilized to shave demand during peak periods.

### Benefits / Return on investment (ROI)

- Reduced administrative effort required to process, pay and audit thousands of utility bills each month by providing a common interface for entering the bills and triggering payment.
- Allow analysis of previous utility bills in order to determine trends and analyze historical information.
- Reduce utility costs by ensuring that utility services are being purchased as economically as possible.
- Further reduce costs by developing a plan for systematically managing the electrical usage during peak periods and utilizing the self-generation capacity to reduce or offset electrical consumption during peak periods.

*For more information on TEAM CO-OP visit <http://www.teamcoop.org/>*