

ENGINEERING  
SOLUTIONS

SERVICES

Utility  
Master Plan



## UTILITY MASTER PLAN

OPERATIONAL | TECHNICAL | FINANCIAL

For immediate and long-term utility needs



[aramarkengineering.com](http://aramarkengineering.com)



## Seven Step Process

The goal of the utility master plan is to provide a strategic campus utility study that supports the specific short and longer term needs at the institution from both a technical and financial perspective.

### 1. Goal Statement Development

Comprehensive definition identifying program vision and plan attributes.

### 2. Baseline Campus Plan

Integration of campus plan and system impact review.

### 3. Existing System Investigation

Develop full understanding of central utility system operational needs, programmatic requirements and existing deferred needs.

### 4. Existing System Needs and Future Requirements Definition

Quantification of short and long-term needs based upon existing and future system requirements.

### 5. Qualitative System Review and Selection

Identification and review of potential system solution.

### 6. Full System Analyzation

Complete quantitative review of selected utility systems, including true-life cycle costs as well as return on investment calculations.

### 7. Phased Installation Plan Development

Creation of a specific plan to install the recommended system upgrades in accordance with the campus master plan and existing systems in coordination with institutional capital availability.

### 8. Perpetual UMP Maintenance Plan

Routine evaluation and plan update to maintain UMP relevance and applicability.

A **Utility Master Plan (UMP)** addresses the immediate and long-term utility related needs. The plan strategically focuses on capacity growth to meet the goals of the project and identify energy efficient systems best suited for the facility moving forward.

The UMP addresses future requirements, as well as the current system needs. The plan is developed to support known future building projects and or major renovations, contain utility costs over the long-term, and strategically address deferred needs of the existing utility systems. Accordingly, the proposed approach will be governed by the following objectives:

- Address the utility needs for all facility-wide components of the existing physical plant.
- Address utility system services for all planned new projects and major renovations.
- Define long-term technical and financial strategies to guide the evolution of utility systems and support the future projects defined by the existing plan.
- Conserve institutional capital investments in utility systems and reduce excessive operating and energy costs over the long-term.
- Eliminate the highest priority deferred needs and operational exposures in the existing utility systems while improving utility systems service reliability.
- Employ additional flexibility in the utility infrastructure to accommodate the potential for future changes.

**“Our senior engineering team can develop a wholistic plan that successfully integrates the most cost effective solutions.”**

Brian Lee, PE  
Vice President  
Aramark Engineering Solutions

Aramark will develop a conceptual utility plan that is **sufficiently straightforward**, from a financial, technical and operating perspective. The financial strategy will provide the most effective expenditure of capital for meeting the present and future utility system needs as well as to identify areas of capital and operational savings.

## The Aramark Advantage

Aramark provides a truly unique operators' perspective to the development of the Utility Master Plan. Our senior engineering staff is intimately familiar with the variety of system configurations and equipment. They will lead a team of Aramark experts to develop a wholistic plan that successfully integrates the most cost effective solutions. The plans not only address the needs from a systematic perspective, but also fully recognize and include the operation impact into a reliable and sustainable utility system plan. Aramark provides this service through a fully collaborative approach to align with the institution's mission and vision.

	UTILITY MASTER PLANNING EXPERIENCE
Baylor University	
Barnard College	Protestant Episcopal Cathedral Foundation of Schools
College of Dupage	Providence College
Drew University	Trinity College
Franklin & Marshall College	University of the Sciences in Philadelphia
Immaculata University	Vassar College
Mercy College	Washington and Jefferson College