

Utility Master Planning & Implementation for a Federal District Energy System

U.S. Capitol Power Plant

December 6, 2017



The Architect of the Capitol



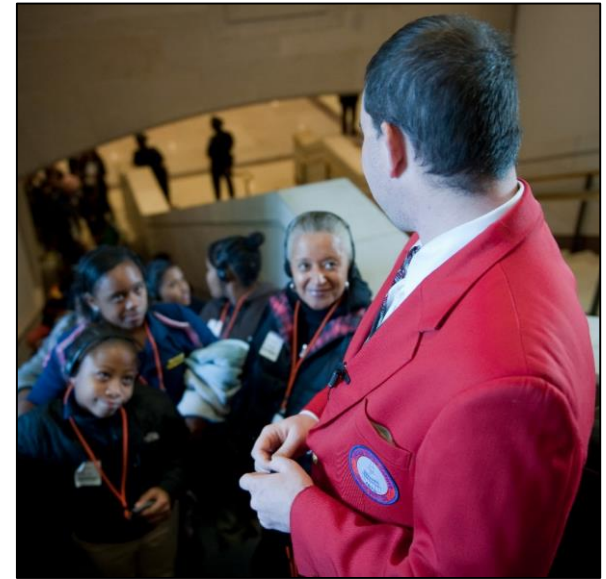
Care for: 17.4 million+ square feet of facilities; 580+ acres of grounds and thousands of works of art

Serve



Oversee annual budget of approximately \$600 million per year and manage \$1 billion+ in active construction projects

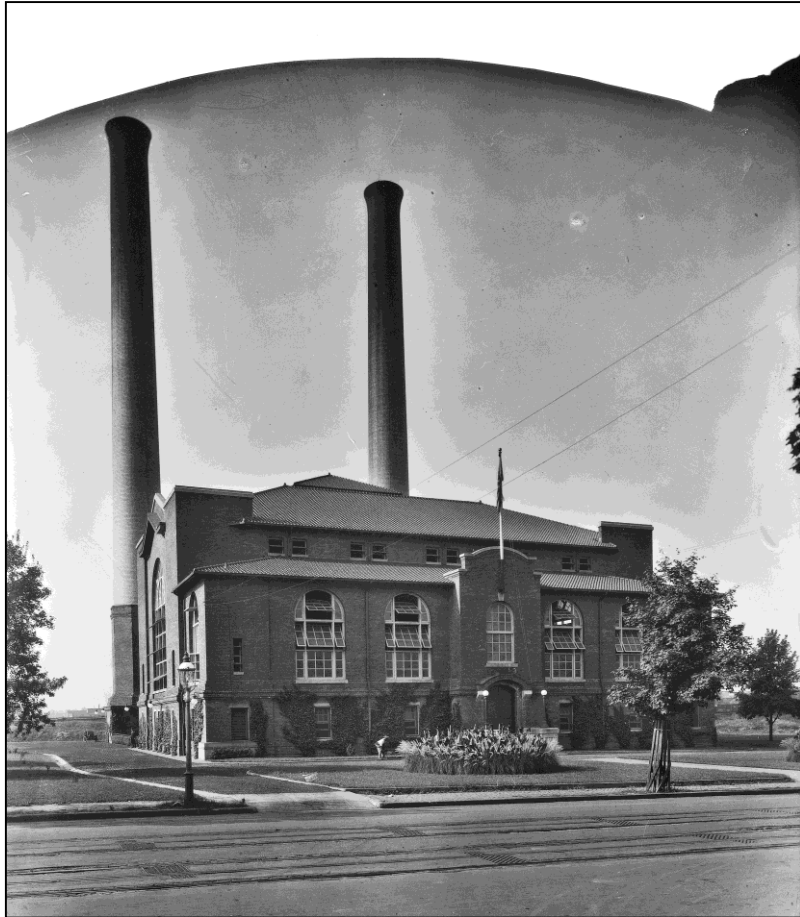
Preserve



Host 3 million+ visitors annually while serving 30,000 daily occupants around the clock to maintain the Capitol campus

Inspire

The Capitol Power Plant



Utility Master Planning & Implementation

Drivers & Stakeholder Requirements



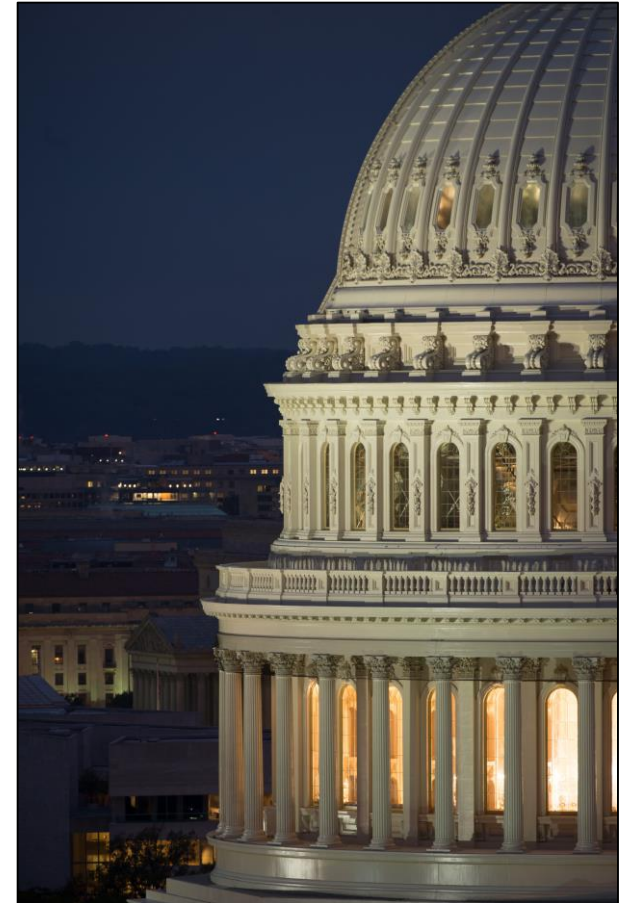
On-going Drivers

- ❖ *Aging infrastructure*
- ❖ *Utility market volatility*
- ❖ *Statutory energy reduction goals*
- ❖ *Regulatory requirements*

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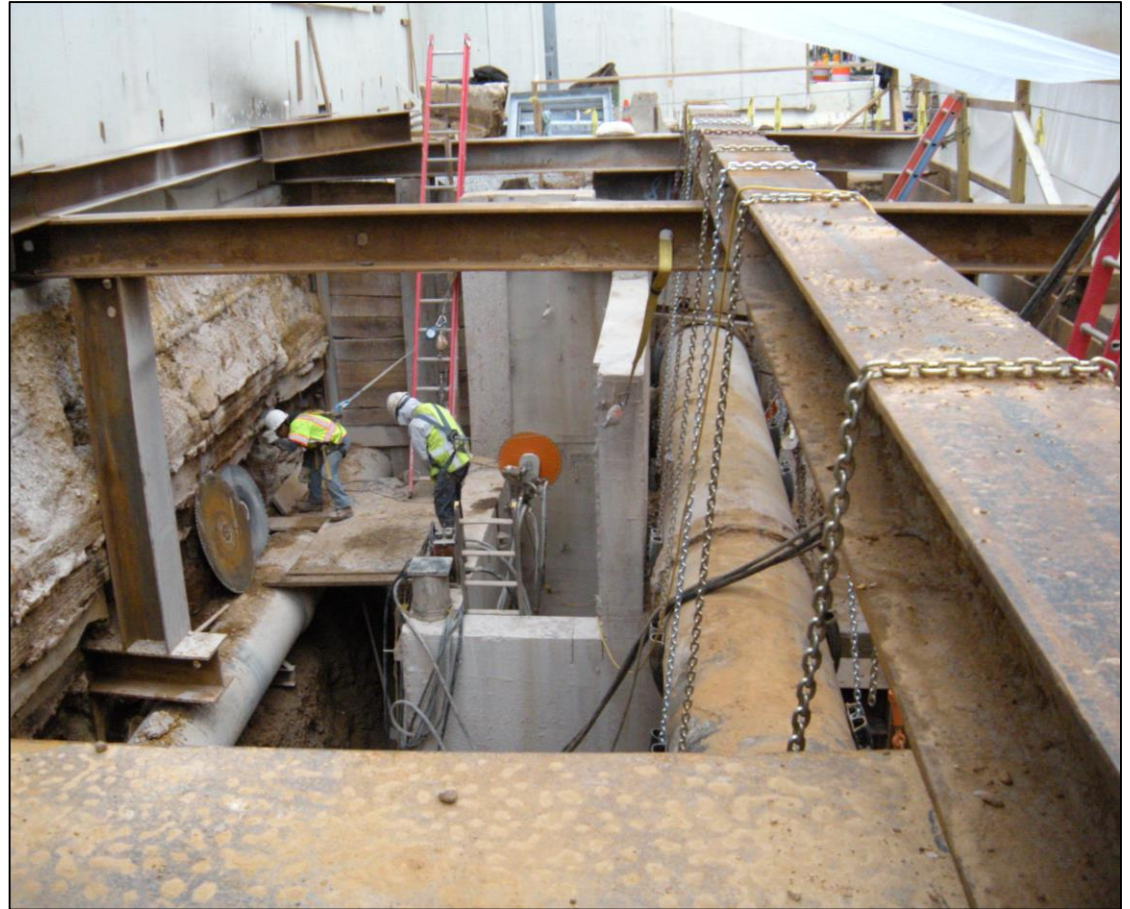
Emerging Stakeholders Requirements

- ❖ *Congressional Members & Staff*
- ❖ *Customer buildings*
- ❖ *Campus growth*
- ❖ *AOC organizational requirements*
- ❖ *Regulators*
- ❖ *U.S. Capitol Police*
- ❖ *General public*



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Utility Distribution

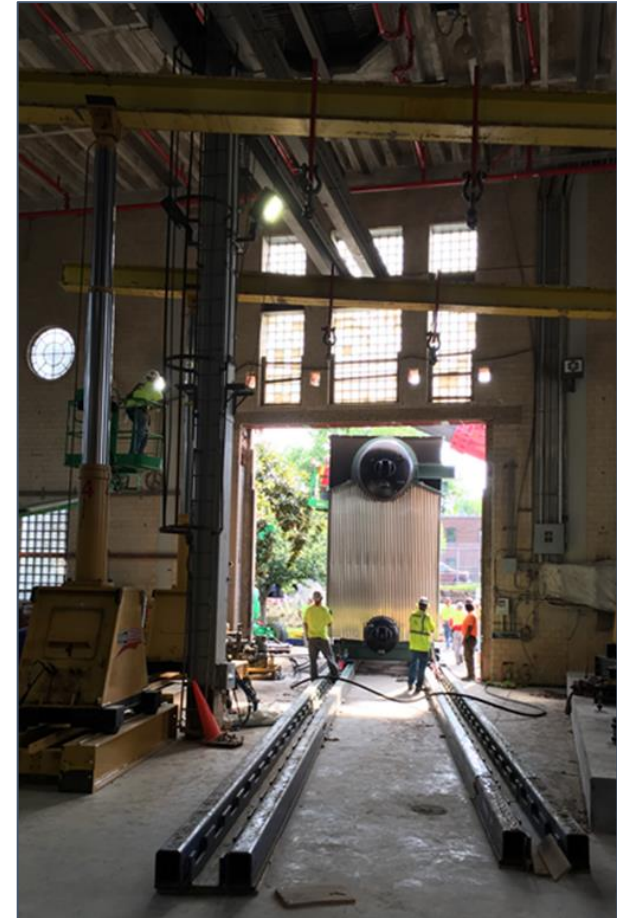
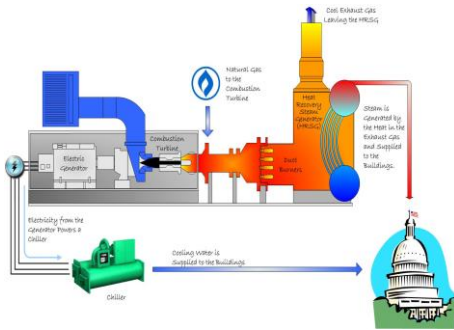


Utility Master Planning & Implementation

Refrigeration Plant Revitalization Program



Utility Master Planning & Implementation Cogeneration Project



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Thank you

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