P&G Gillette South Boston Manufacturing Center (SBMC) S-Lab Team

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Approach

**Base-lining**
- Understanding current state
- Accounting for all physical flows, especially energy and water

**Benchmarking**
- Comparison to other Gillette Factories
- Comparison of sub-systems to industry benchmarks

**Opportunity Identification**
- Identify areas where resource consumption is above baseline
- Identify “easy wins” in terms of time and budget

**Solution Generation**
- Identify applicable best practices from benchmark cases
- Identify emerging trends in relevant sectors

**Analysis of Solutions**
- Quantification of potential costs and benefits
- Apply financial, environmental, strategic, and other perspectives

**Prioritization & Selection**
- Combination of metrics to prioritize potential projects
- Assess contribution to corporate strategy

**Implementation Plan**
- Work with vendors and internal staff to determine implementation details
- Ensure implementation plan is robust

About the Gillette South Boston Manufacturing Center

- First building built in 1903
- Acquired by P&G in 2005
- Large, urban campus
- Produce products like Venus, Fusion, and Mach3 razors
- Sustainability commitment across P&G and Gillette

Life Cycle Assessment

Production: 2 - 6%
Use: 93 - 98%
End-of-Life: 0 - 1%

Areas of Analysis

**Steam**
- Reconsider operating constraints of power plant once gas fired turbine is installed
- Consider shutting down steam circulation to main campus during summer months

**Electricity**
- Additional metering could increase accountability of electricity use
- Potential to tie occupancy sensors to lighting and HVAC systems

**Water**
- More detailed water accounting could provide better understanding of losses
- Potential quick-wins with low-flow water heads

**Compressed Air / Nitrogen**
- Better system monitoring may improve leak identification and help target efforts
- Distributed production and storage may offer potential savings in both systems