Managing a Past, Present, and Future

Presentation for SAME Resilience Roundtable

April 25, 2016

www.aoc.gov
Managing a Past, Present, and Future

Agency Overview

Mission
To serve Congress and the Supreme Court, preserve America’s Capitol, and inspire memorable experiences.

Vision
We will be an exceptional team, acclaimed for superior service, recognized as trusted stewards, and renowned for enriching people’s lives.

Values
- Teamwork
- Integrity
- Professionalism
- Pride
Managing a Past, Present, and Future

Agency Overview

What We Care For

BUILDINGS
17.4 MILLION SQUARE FEET

INFRASTRUCTURE
560 ACRES

PEOPLE
30,000 BUILDING OCCUPANTS

www.aoc.gov
Managing a Past, Present, and Future

Agency Overview

- Capitol Building
- Senate Office Buildings
- Capitol Grounds
- Capitol Power Plant
- Library of Congress
- Supreme Court
- Capitol Police Buildings, Grounds & Security
- House Office Buildings
- Botanic Garden
- Capital Construction & Operations
NEED FOR RESILIENCE IN DESIGN

“Resilience refers to the capacity to adapt to changing conditions and to maintain or regain functionality and vitality in the face of stress or disturbance.”

“A transition from a reactive disaster assistance role to a proactive role where professionals participate in planning and design for long-term resilience and adaptation to changing conditions.”

- CONTINUITY OF GOVERNMENT
- ENERGY / UTILITY RESILIENCE
- CLIMATE RESILIENCE
- “BOUNCE BACK”
The Energy Independence and Security Act of 2007 required the AOC to annually reduce its energy consumption by 3% for Fiscal Years (FY) 2006-2015, or an aggregate of 30% by the end of FY15.

The AOC exceeded this challenge in FY 2015 (30.9%) and chooses to continue an annual reduction of its energy consumption by 2%, or an aggregate of 20% from FY 2016 to the end of FY 2025.
Our 10-year goal is 20% or 2% annually, for a total of 50% from a FY 2003 baseline.
Past/Future Considerations: Provide adequate space and route systems through the buildings in a logical, structured manner that allows for future expansion.
Managing a Past, Present, and Future

Cogeneration
Managing a Past, Present, and Future
Hart Senate Office Building

Past/Future Considerations: Provide adequate load capacities.
Past/Future Considerations: Site facilities and critical systems or programs responsibly
Managing a Past, Present, and Future Project Prioritization Process

WHAT type of work is addressed?

WHAT is the impact of work failure?

HOW does the work meet agency goals?

Review of other measurements/metrics.

Project urgency, classification, importance result in a Composite Rating.
Managing a Past, Present, and Future

Project Prioritization Process

- Regulatory Compliance
  - Director, Safety, Fire, & Environmental Programs
- Resilience and Security
  - Director, Resilience and Security
- Mission
  - Superintendents
- Preservation
  - Historic Preservation Review Officer
- Economics
  - Accounting Division
- Sustainability & Energy
  - Design and Energy Division

Level of importance for each criteria scored from 0 – 100 by pre-rater and confirmed by consensus among Superintendents.
Managing a Past, Present, and Future Project Prioritization Process

<table>
<thead>
<tr>
<th>POINTS</th>
<th>CRITERIA FOR CATEGORIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No Impact. There are no Resilience and Security issues being addressed through the project.</td>
</tr>
<tr>
<td>10 – 30</td>
<td>The project incorporates secondary and complementary provisions associated with improving existing Resilience and Security of infrastructure, facilities, people, COOP or COG. These provisions are not the basis for accomplishing the project and may result in limited Resilience and Security improvements. Not accomplishing the project is unlikely to have any meaningful impact on overall Resilience and Security within the Capitol complex or adjacent areas.</td>
</tr>
<tr>
<td>30 – 50</td>
<td>The project incorporates minor provisions associated with improving existing Resilience and Security of infrastructure, facilities, people, COOP or COG and responds to a known vulnerability. Although these provisions are not the basis for accomplishing the project, they do improve the overall Resilience and Security. Not accomplishing the project has no significant impact on overall Resilience and Security within the Capitol complex or adjacent areas.</td>
</tr>
<tr>
<td>50 – 70</td>
<td>The project incorporates provisions specifically addressing one or more serious but limited threats to infrastructure, facilities, people, COOP or COG. Although these provisions are not the basis for accomplishing the project, they do contribute to the improvement of overall Resilience and Security. Not accomplishing the project will require alternative measures for attaining the same level of Resilience and Security as would be attained through the accomplishment of the project.</td>
</tr>
<tr>
<td>70 – 90</td>
<td>The project was identified to specifically address major Resilience and Security enhancements to protect infrastructure, facilities, people, COOP or COG. The provisions incorporated into the project are the principal or sole basis for accomplishing the project. Not accomplishing the project will require the utilization of alternative measures to avoid compromising Resilience and Security within the Capitol complex and/or adjacent areas. These alternative measures are more costly and/or less desirable, and may not attain the same level of Resilience and Security as would the accomplishment of the project.</td>
</tr>
<tr>
<td>100</td>
<td>The project was identified to specifically address major Resilience and Security enhancements to protect infrastructure, facilities, people, COOP or COG. The provisions incorporated into the project are the basis for accomplishing the project and there are no alternatives, to include operational changes, to the proposed project. Not accomplishing the project as soon as possible will compromise Resilience and Security within the Capitol complex and/or adjacent areas. Formal independent documentation exists to support this conclusion.</td>
</tr>
</tbody>
</table>
Managing a Past, Present, and Future

Project Prioritization Process

\[ \text{FCI} = \text{Deferred Maintenance Replacement Value} \]
Managing a Past, Present, and Future

Project Prioritization Process

Projected FCI = Deferred Maintenance + 5-Year Capital Renewal Replacement Value
Managing a Past, Present, and Future
Project Prioritization Process

Projected FCI = Deferred Maintenance + 5-Year Capital Renewal Replacement Value
“We had a chance to talk about how you go about setting priorities in terms of construction, in terms of maintenance. And quite frankly, I was very impressed with that process that you go through.”

Chairman Ander Crenshaw
Subcommittee on Financial Services & General Government Appropriations
U.S. House of Representatives

“I have that prioritization right in front of me, both for construction projects and for deferred maintenance, I think that’s an excellent way to do it.”

Ranking Member John Hoeven
Subcommittee on Legislative Branch
U.S. Senate

www.aoc.gov
Managing a Past, Present, and Future