URANIUM PROCESSING FACILITY

JOHN ESCHENBERG

PROJECT DIRECTOR
NATIONAL NUCLEAR SECURITY ADMINISTRATION
The Nation’s Warhorse: Building 9212
The Nation’s Warhorse: Building 9212
UPF Will Replace Aging Facilities

Pie chart showing the age distribution of facilities: 60-67 years, 0-39 years, 40-49 years, 50-59 years.
The Nation’s New Uranium Processing Facility
UPF’s Diverse Uranium Missions

- Stockpile Refurbishments
- Weapons Surveillance
- Reactor Fuel for Medical Isotopes
- Naval Reactor Material Supply
- Disassembly/Dismantlement
- Nuclear Nonproliferation
- Global Threat Reduction

NATIONAL SECURITY COMPLEX
Poised for the Field
# UPF: The Right Size

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Building Size</td>
<td>~350,000 ft²</td>
</tr>
<tr>
<td>Main Building Volume</td>
<td>~10 M ft³</td>
</tr>
<tr>
<td>Excavation</td>
<td>~400,000 yd³</td>
</tr>
<tr>
<td>Concrete</td>
<td>~150,000 yd³</td>
</tr>
<tr>
<td>Structural Steel</td>
<td>~8,000 tons</td>
</tr>
<tr>
<td>Wiring &amp; Cable</td>
<td>~2.4 M lin. ft</td>
</tr>
</tbody>
</table>
UPF: Fast Facts

Cost Range - $4.8 B - $6.5B

Proposed FY13 funding up from $190M to $340M

Today: 76% Design Maturity
637 FTEs

Peak: ~1,500 workers

Accelerating Schedule
• Fall 2012
• 2019
• 2023