Advanced Reactors
Political Landscape: The New Administration & Congress

February 7, 2017
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<tr>
<td>Hope &amp; Change</td>
<td>Shock &amp; Awe</td>
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<td>Popular vote</td>
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<td>Regulation</td>
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<td>Spending</td>
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<td>Saving the Planet</td>
<td>Building the Wall</td>
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<td>• Climate change</td>
<td>• Jobs, Exports</td>
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<td>• Hair</td>
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<td>• Consent-based</td>
<td>• Yucca based</td>
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<td>• Saving wetlands</td>
<td>• Draining the swamp</td>
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<td>• Resenting Andrew Jackson</td>
<td>• Praising Andrew Jackson</td>
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### Out & In

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![Out Image](image1.png)  ![In Image](image2.png)
The Lineup:

US Senate
- 52 R - 48 D/I
- Dems +2

US House
- 240 R- 193 D
- Dems +6

Executive Branch
- 4,000 political appointees
- Approximately 150 @ DOE
Leadership changes

- DOE Secretary-designate Rick Perry
- NRC Chair Kristine Svinicki
- House Energy Chair Greg Walden
- Senate EPW Chair John Barrasso
- Senate Democrat leader Chuck Schumer
- Ranking Tom Carper
Nuclear Energy & President Trump

✓ Made in the USA
✓ American leadership
✓ Jobs, Manufacturing
  ➢ Most jobs per MW
  ➢ Highest paying jobs per MW
✓ Exports
  ➢ $2 trillion global market
✓ Competitiveness (Russia, China)
✓ Clean energy leadership
Trump to date

- 19 executive orders (as of Feb 3)
- 15 nominees to head major departments and agencies still unconfirmed.
- In 2009, President Obama only had seven unconfirmed
- In 2001, President Bush had all but two confirmed
- Fewest Cabinet secretaries confirmed at this point in a presidency than any other president since World War II
Perry to date

- Reversed view on dismantling department
- Not going to kick the can down the road on nuclear waste
- SMRs exactly the kind of thing that government should be funding
- Supports applied science and commercialization
- National labs a crown jewel
X-Factors

- NRC vacancies/nominees
- S-2, S-3, NE nominees
- FY2017 Continuing Resolution
- FY2018 Budget Request
- Strong Congressional appropriations leadership
Challenges

- Absence of clear Trump nuclear energy platform
- De-emphasis on climate change as a driver
- US fleet premature closings
- Government cost cutting
- EX-IM Bank dysfunction
- Infrastructure linkage TBD
Crystal Ball

- Yucca reboot
- Weapons complex investment
- Environmental management acceleration, other infrastructure investment
- Office of Nuclear Energy shifts from R&D to advocacy
- SMRs, advanced reactors, accident tolerant fuels upside
- “Sweeping” NRC reform
- FERC flexibility will help current fleet
- National Security Council emphasis on commerce, trade over nonproliferation
- Downward pressure on spending, Fed workforce reductions by attrition
## Nuclear Infrastructure (10 years)

- **$1.2 billion Apollo program to spur advanced reactors**
  - 1,000 jobs

- **Test Reactor**
  - $2 billion
  - 2000+ jobs

- **Yucca**
  - $5 billion
  - 3000+ jobs

- **MOX Project Ramp**
  - $1.3 billion
  - 1,000 new jobs

- **SMR Commercialization (Phase II)**
  - $750 million
  - 6,000 new jobs (two sites)

- **Accelerated EM Cleanup**
  - $2 billion
  - 2,000 jobs

- **WIPP recovery**
  - $500 million
  - 500 jobs
Summary

• Trump Presidency less predictable, more challenging but more potential upside

• Nuclear energy is well-positioned to align with jobs, exports, US leadership

• End of Reid Era in US pivotal

• Challenges to the current fleet will persist

• Tangible progress can be made toward a US nuclear energy resurgence with a redoubled efforts