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A River of Energy Solutions

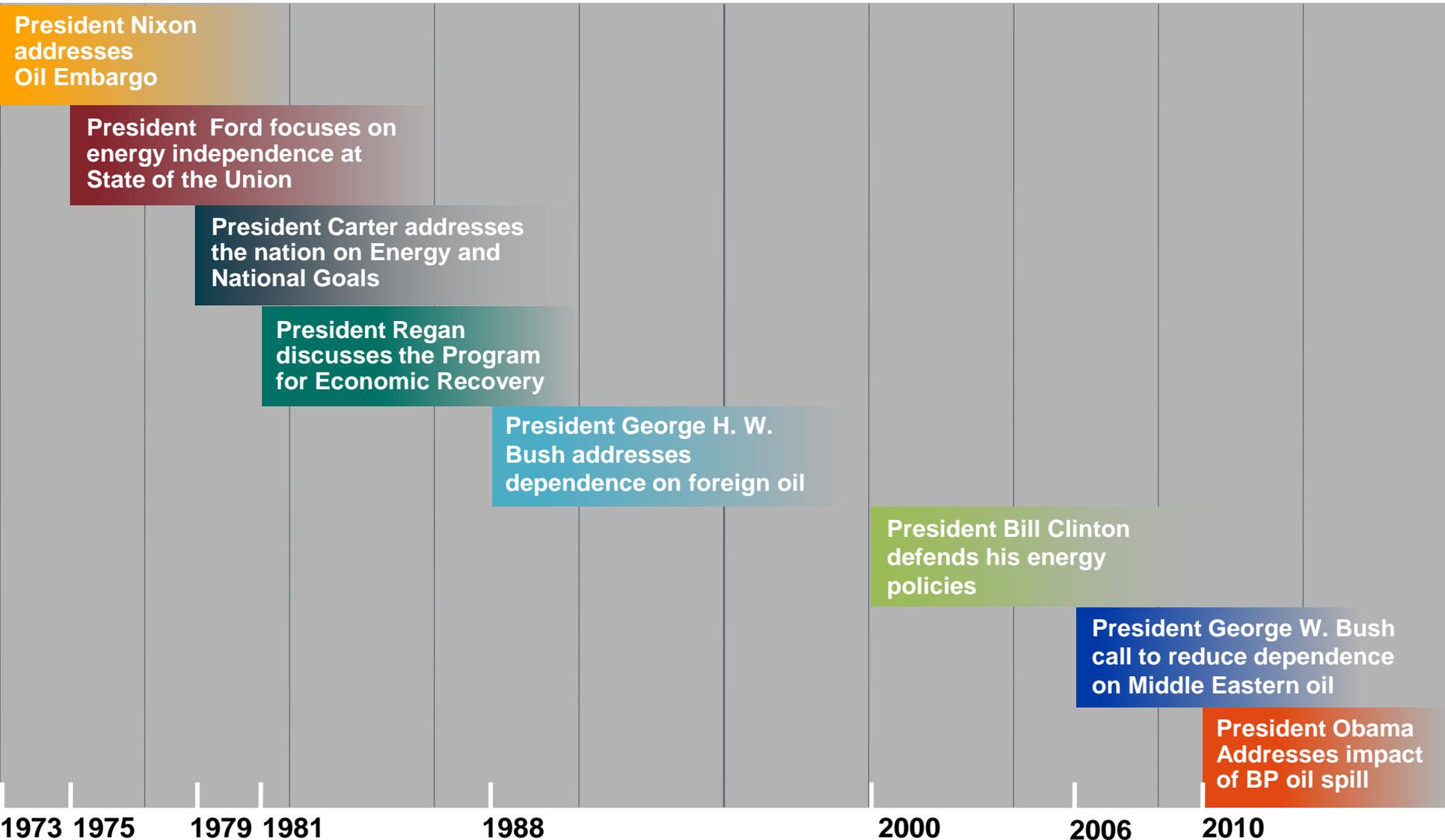
Paul Bollinger | Boeing Energy
General Manager, Government Solutions

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Vision for America's Energy Future

- Boeing Siemens Strategic Alliance
 - Developing secure microgrid management solutions for the Department of Defense
 - Providing innovative and affordable energy solutions that help ensure mission success for the nation's military
 - Vision for America's energy future, partnership with DOD to help it achieve unprecedented levels of power, reliability, quality, efficiency and energy security

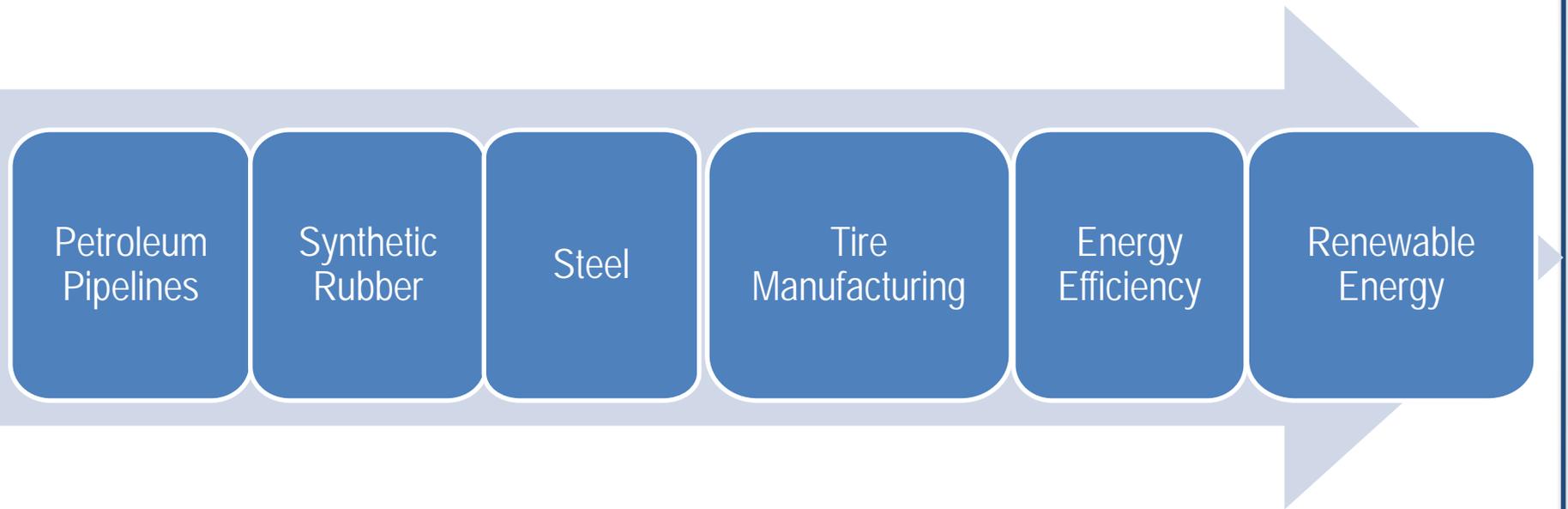
Presidential Energy Policies



Energy for the DOD

- Energy security is one of four key priorities for reforming DOD operations (2010 Quadrennial Defense Review)
- DOD is America's largest consumer of energy
- Reliance on fossil fuels creates great risks to troops
- \$20 billion spent on 135 million barrels of fuel and 30 million megawatt-hours of electricity a year

DOD History of Critical Infrastructure Investments



Expedite & Expand Critical Industrial Base Resources To Support National Security

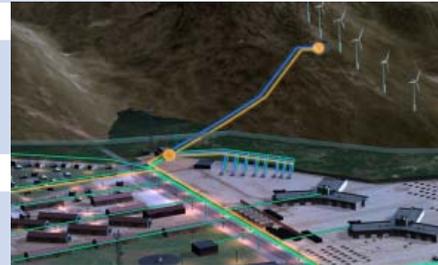
Critical Energy Infrastructure Emerging

Microgrid Systems at the Base Level

Waste to Energy

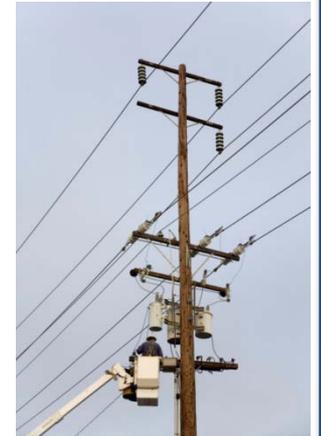
Energy Storage

High-Efficiency Buildings



Infrastructure Obstacles

- 160,000 miles of transmission lines
- Fragile and antiquated electric grid
- 3,273 utilities producing power
- Limited amount of renewable energy available
- Limited technological resources
- \$1.4 trillion to upgrade our nation's transmission grid



Developing a 22nd Century Energy Infrastructure

- Industry, Utilities, Regulator, and Government collaboration required
- DOD leadership on energy security is more important than at any time in history
- DOD has the ability to serve as a market initiator for a host of energy projects and technologies



"One man can make a difference, and every man should try."

President John F. Kennedy
January 1961