

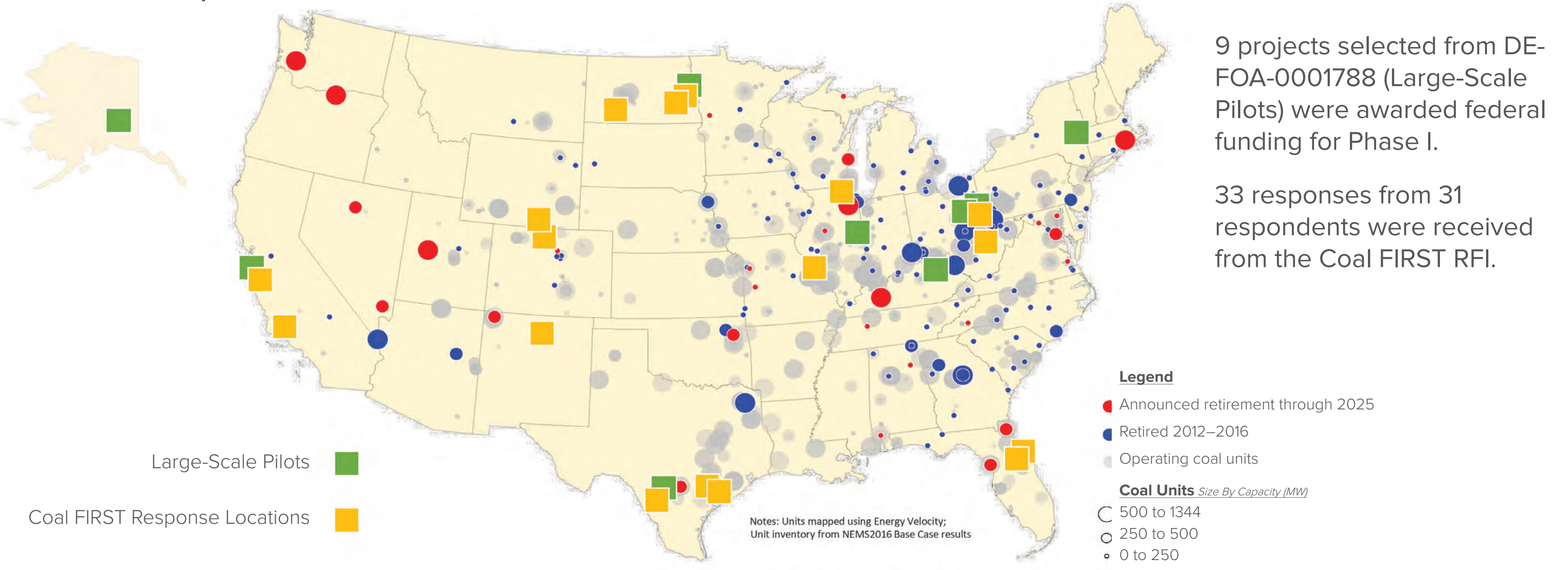
R&D INITIATIVES LAUNCHED FOR COAL PLANTS OF THE FUTURE

Modernizing America's coal fleet to provide secure, stable, and reliable power

TRANSFORMING & MODERNIZING THE COAL-FIRED POWER FLEET

Developing power plant systems and technologies that will **enable the future deployment of efficient, clean, and cost-competitive coal power plants.**

- High Efficiency
- Low Emissions
- Grid Independent
- Integrate with Intermittent Power
- CO₂ Capture Ready
- Domestic and International Market Pull
- Modularity and Parametric Design



QUICK FACTS

AWARD NUMBER
DE-FOA-0001788
(LARGE-SCALE PILOTS)

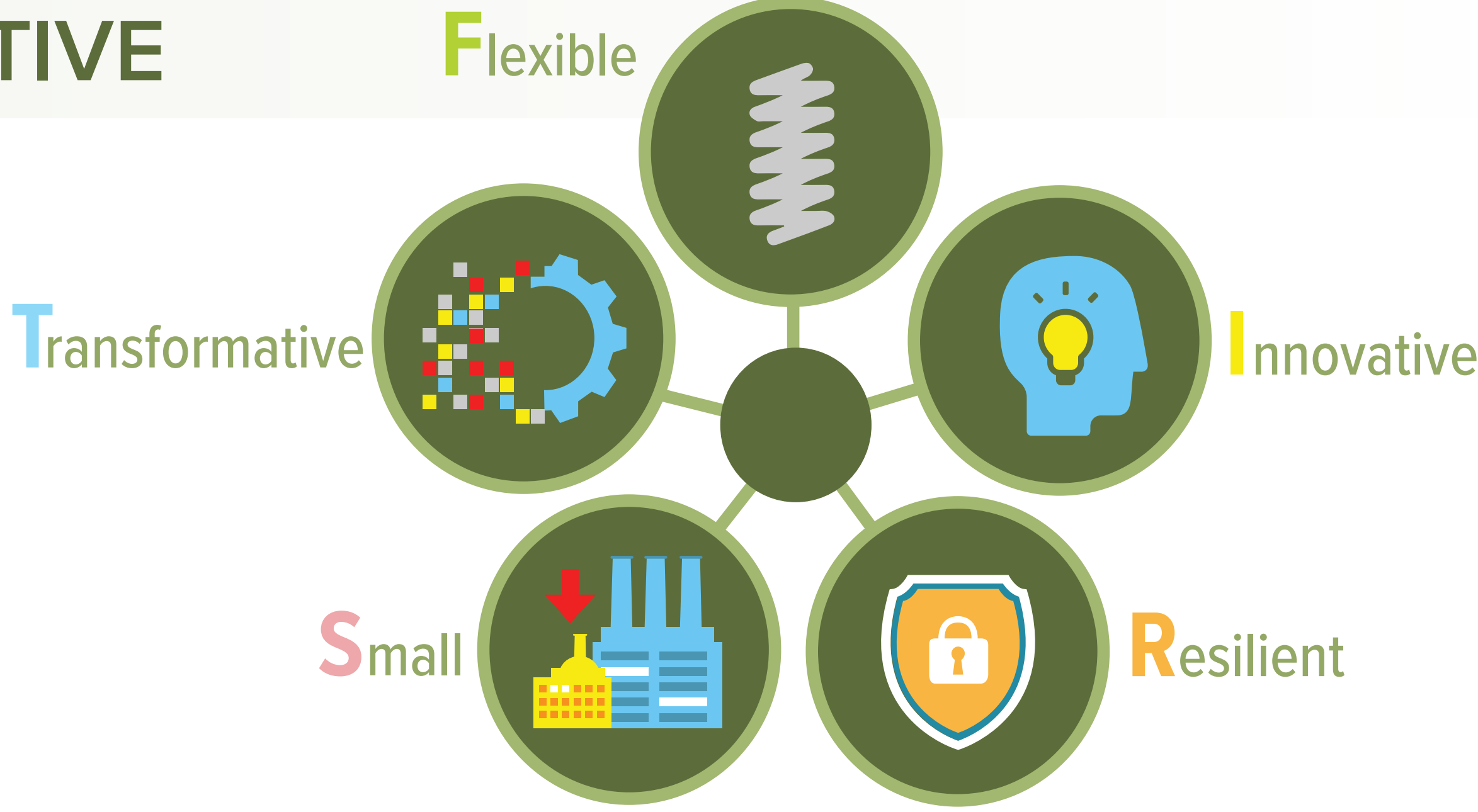
PROJECTED PHASE BUDGETS (LARGE-SCALE PILOTS)



- PHASE I \$6,500,000
- PHASE II \$15,000,000
- PHASE III \$80,000,000

COAL FIRST INITIATIVE

This initiative will **integrate critical R&D on power plant components with currently available technologies into a first-of-a-kind system** to make coal-fired power plants more adaptive to the modern electrical grid.



CONTACTS

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TRANSFORMATIONAL LARGE-SCALE PILOTS



This program is developing two large-scale pilot operations utilizing advanced coal conversion and/or capture technologies, representing **new ways to convert energy.**



2018
Science & Technology
ACCOMPLISHMENTS
SESSION

Advancing the next generation
of modular, highly efficient, and
flexible coal-fired power plants

