



Energy  
Communities  
Alliance

# FEDERAL NEW NUCLEAR LEGISLATION

JULY 29, 2021



- **Big picture**
- ↓
- **Advanced Nuclear Legislation**
- ↓
- **Funding Legislation**
- ↓
- **Resources**



# BIG PICTURE: BIPARTISAN SUPPORT & CLEAN ENERGY

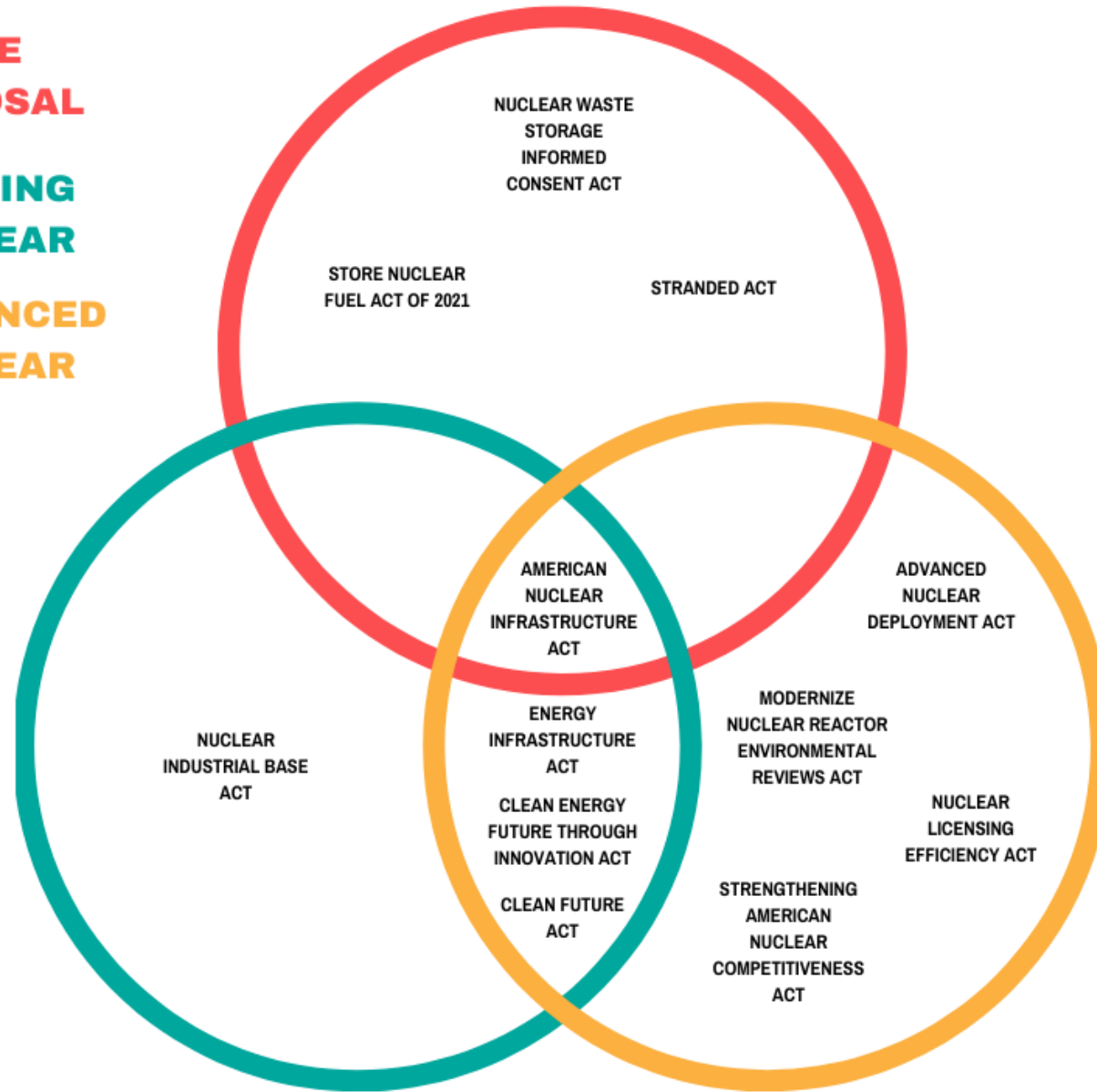
- **Ds and Rs showing support**
  - Bipartisan co-sponsorship on legislation and nuclear caucuses
  - Current and former administrations boosting NE funding
- **Identified as a clean energy option on Capitol Hill**
  - In 2020, Democrats included nuclear in party platform for the first time in nearly 50 years
- **Advanced nuclear is popular**
  - New poll shows 72% of all likely voters support federal investments in next-generation nuclear power
  - 75% of Democrats, 72% of Independents, and 69% of Republicans support



- **WASTE DISPOSAL**
- **EXISTING NUCLEAR**
- **ADVANCED NUCLEAR**

**In the 117<sup>th</sup> Congress,**  
12 bills related to advanced nuclear, existing nuclear, and waste disposal have been introduced.

8 of those bills address advanced nuclear.





# ADVANCED NUCLEAR LEGISLATION TO WATCH

- **American Nuclear Infrastructure Act (S. 2373)** – *In committee*
  - Advanced nuclear reactor prizes
  - Supports demonstration activities
  - Encourages international competitiveness/exporting advanced nuclear technologies
- **Clean Energy Future through Innovation Act** – *In committee*
  - Demonstration projects by 2025
  - Loan guarantees for advanced nuclear facilities
- **Energy Infrastructure Act (S. 2377)** – *Advanced through committee*
  - Infrastructure planning for micro and small modular reactors



# ADVANCED NUCLEAR LEGISLATION TO WATCH (CONT.)

- **Advanced Nuclear Deployment Act (H.R. 1746)** – *In committee*
  - More efficient licensing and deployment of advanced civilian nuclear technologies
  - Pilot program for long-term nuclear power purchase agreements
- **Modernize Nuclear Reactor Environmental Reviews Act (H.R. 1559)** – *In committee*
  - NRC report on making environmental reviews of nuclear reactors more efficient
- **Nuclear Licensing Efficiency Act (H.R. 1578)** – *In committee*
  - Streamlining nuclear technology regulatory permitting and licensing
- **Strengthening American Nuclear Competitiveness Act (H.R. 1748)** – *In committee*
  - Expediting nuclear technology exports
- **CLEAN Future Act (H.R. 1512)** – *In committee*
  - Long-term nuclear power purchase agreement pilot program



# FY 2022 HOUSE APPROPRIATIONS



\$167.4M boost for **Office of Nuclear Energy** (\$1.68B total)



\$45M boost for **Reactor Concepts RD&D** (\$253M total)



\$145M boost for **Advanced Reactor Demonstration Project** (\$395M total)



“The Committee notes the **importance of the deployment of advanced reactors** to the nation’s ability to regain its leadership in nuclear energy and the contribution of nuclear energy to meeting climate goals ... The Department is directed to continue to **focus resources on partners capable of project delivery in the next five to seven years.**”



# RESOURCES

- **ECA's New Nuclear Initiative**
  - What do communities need to know to attract and support new nuclear development/missions?
  - What and how should communities communicate to industry, national laboratories, state and federal governments about local resources and development opportunities?
  - What hurdles and challenges will communities face and who can we work with to overcome them?
- **“Want to Restore American Nuclear Leadership? Look to Local Communities”**  
(ECA, 2020)