

2024 (NOF) Maple Invitational (High School)

A Bill to Incentivize the Development of Next-Generation Nuclear Power Technologies

1. BE IT ENACTED BY THE STUDENT CONGRESS HERE ASSEMBLED:

2. **Section 1** In an effort to address the urgent need for clean,
3. reliable, and sustainable energy sources, a national initiative
4. will be established to incentivize the research, development, and
5. deployment of next-generation nuclear power technologies,
6. including but not limited to small modular reactors (SMRs) and
7. thorium-based reactors, with the goal of increasing the United
8. States' nuclear power capacity by 50% by FY 2035.

9. **Section 2** For the purposes of this legislation, "next-generation
10. nuclear power technologies" are defined as advanced nuclear
11. reactor designs that differ significantly from those currently
12. in commercial operation, offering improvements in safety,
13. efficiency, waste management, and cost-effectiveness. This
14. includes small modular reactors (SMRs), thorium-based reactors,
15. molten salt reactors (MSRs), and high-temperature gas-cooled
16. reactors (HTGRs).

17. **Section 3** The Department of Energy (DOE), in coordination with the
18. Nuclear Regulatory Commission (NRC), will oversee the
19. facilitation of this initiative. This will involve: The
20. establishment of public-private partnerships to fund and conduct
21. research and development projects. The streamlining of
22. regulatory processes to expedite the licensing and deployment of
23. next-generation reactors. The provision of financial incentives,
24. including grants, loans, and tax credits, to support the
25. construction and operation of next-generation nuclear facilities.
26. **Section 4** This legislation will take effect on July 1, 2035. All
27. laws in conflict with this legislation are hereby declared null
28. and void.

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A Bill to Regulate Microplastic Emissions in Industrial Processes

1. BE IT ENACTED BY THE STUDENT CONGRESS HERE ASSEMBLED:

2. **Section 1** To address the pervasive issue of microplastic pollution,
3. a comprehensive national framework will be established to
4. regulate and significantly reduce microplastic emissions from
5. industrial processes, with a targeted reduction goal of 60% by FY
6. 2032.

7. **Section 2** "Microplastic emissions" are defined as particles of
8. plastic less than five millimeters in diameter that are released
9. into the environment directly or indirectly from industrial
10. activities. This includes but is not limited to textiles, tire
11. wear, and plastic pellet loss during manufacturing and
12. transportation.

13. **Section 3** The Environmental Protection Agency (EPA), in
14. collaboration with the National Institute of Standards and
15. Technology (NIST), will be responsible for: Developing
16. standardized methods for measuring and reporting microplastic
17. emissions from various industries. Implementing a certification
18. system for industries that achieve significant reductions in
19. microplastic emissions. Establishing guidelines for best
20. practices in reducing microplastic emissions, including
21. technological innovations and process improvements.

22. **Section 4** This legislation will take effect on July 1, 2032. All
23. laws in conflict with this legislation are hereby declared null
24. and void.

25. Introduced for Congressional Debate by NOF

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A Bill to Implement Nationwide Water Conservation Measures

1. BE IT ENACTED BY THE STUDENT CONGRESS HERE ASSEMBLED:

2. **Section 1** To address the critical issue of water scarcity and
3. promote sustainable water use, a national policy mandating the
4. implementation of water conservation measures in all states will
5. be established by FY 2028.

6. **Section 2** "Water conservation measures" include but are not limited
7. to the installation of low-flow plumbing fixtures, the adoption
8. of water-efficient landscaping practices, and the implementation
9. of rainwater harvesting systems.

10. **Section 3** The Environmental Protection Agency (EPA) will be
11. responsible for overseeing the enforcement of these measures,
12. providing guidelines for states to follow, and evaluating
13. progress towards water conservation goals.

14. **Section 4** This legislation will take effect on July 1, 2028. All
15. laws in conflict with this legislation are hereby declared null
16. and void.

17. Introduced for Congressional Debate by NOF