OBAMA-BIDEN TRANSITION PROJECT

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American Nuclear Society: Summary of Positions on US Nuclear Policy Areas

The American Nuclear Society is comprised of 11,000 scientists, engineers, technicians, and business and government executives committed to the peaceful use of nuclear science and technology for the benefit of mankind.

Nuclear science and technology improves our life in many ways and in many different areas. It offers one of the cleanest and most environmentally friendly ways of generating electricity. It makes our food safer; improves the quality of our tools, gauges, and machines; helps diagnose injuries and illnesses; treats cancers, and even powers our exploration of solar system and beyond.

At the federal level, ANS supports policies and initiatives designed to support the increased beneficial use of nuclear technology to improve our quality of life. ANS believes that such an expansion can be accomplished in a manner fully consistent with nonproliferation goals, including those embodied in the Treaty on the Nonproliferation of Nuclear Weapons (NPT).

Specifically, ANS endorses:

- A significant expansion of nuclear energy generation in the U.S. and worldwide to address increasing electricity demand and to reduce carbon emissions. (#44, 79)

- The expanded use of nuclear energy to reduce oil dependence through electrification of US transportation systems and the expanded use of Plug-In Hybrid Electric Vehicles (PHEVs) (#82)

- A strong domestic nuclear infrastructure that restores US economic competitiveness and retains our ability to constructively influence international nuclear developments. (#55)

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- Increased federal support for U.S. nuclear education programs to ensure the viability of the next generation nuclear workforce for the energy industry, national laboratories, health care, national security agencies, and academia.(#21)

- Near term deployment of the Next Generation Nuclear Plant Project (NGNP) to demonstrate the viability of advanced reactors in producing electricity, hydrogen, and process heat for industrial applications. (#75)

- An orderly transition to proliferation-resistant nuclear fuel recycling in parallel with the development of the high level waste repository (#45, 79)

- The development and deployment of advanced reactors based on fast-neutron fission technology to minimize nuclear waste and ensure the long-term sustainability, reliability, and security of the nuclear fuel supply. (#74)

- An international fuel services program to provide nuclear fuel to developing nations. (#79)

- A strong federal policy to ensure a reliable domestic source of radioisotopes sufficient to sustain the growing needs of U.S. health care, security, and industrial communities. (#30)

- The widespread use of food irradiation to improve the safety of the US food supply and to reduce deaths, diseases, and losses associated with food-borne pathogens. (#28)

- The use of nuclear power reactors for high-volume desalination of seawater to meet the world's rapidly growing need for clean drinking water. (#62)

(numbers in parenthesis denote the relevant ANS Position Statement, which can be found at www.ans.org/pi/ps/)