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Executive Order 14057 of December 8, 2021

The President

Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in order to reestablish the Federal Government as a leader in sustainability, it is hereby ordered as follows:

Section 101. Policy. The Federal Government faces broad exposure to the mounting risks and costs already posed by the climate crisis. In responding to this crisis, we have a once-in-a-generation economic opportunity to create and sustain jobs, including well-paying union jobs; support a just transition to a more sustainable economy for American workers; strengthen America's communities; protect public health; and advance environmental justice. As the single largest land owner, energy consumer, and employer in the Nation, the Federal Government can catalyze private sector investment and expand the economy and American industry by transforming how we build, buy, and manage electricity, vehicles, buildings, and other operations to be clean and sustainable.

We also must build on past progress and pursue new strategies to improve the Nation's preparedness and resilience to the effects of a changing climate, including advancing the Federal Government's strategic planning, governance, financial management, and procurement to ensure climate resilient operations.

It is therefore the policy of my Administration for the Federal Government to lead by example in order to achieve a carbon pollution-free electricity sector by 2035 and net-zero emissions economy-wide by no later than 2050. Through a whole-of-government approach, we will demonstrate how innovation and environmental stewardship can protect our planet, safeguard Federal investments against the effects of climate change, respond to the needs of all of America's communities, and expand American technologies, industries, and jobs.

Sec. 102. Government-wide Goals. (a) Leading the Nation on a firm path to net-zero emissions by 2050 and achieving the policy set forth in section 101 of this order will require bold action to transform Federal procurement and operations and secure a transition to clean, zero-emission technologies. Through a coordinated whole-of-government approach, the Federal Government shall use its scale and procurement power to achieve:

- (i) 100 percent carbon pollution-free electricity on a net annual basis by 2030, including 50 percent 24/7 carbon pollution-free electricity, as defined in section 603(a) of this order;
- (ii) 100 percent zero-emission vehicle acquisitions by 2035, including 100 percent zero-emission light-duty vehicle acquisitions by 2027;
- (iii) a net-zero emissions building portfolio by 2045, including a 50 percent emissions reduction by 2032;
- (iv) a 65 percent reduction in scope 1 and 2 greenhouse gas emissions, as defined by the Federal Greenhouse Gas Accounting and Reporting Guidance, from Federal operations by 2030 from 2008 levels;
- (v) net-zero emissions from Federal procurement, including a Buy Clean policy to promote use of construction materials with lower embodied emissions;

(vi) climate resilient infrastructure and operations; and

(vii) a climate- and sustainability-focused Federal workforce.

(b) The actions and investment required to achieve these goals will protect the environment, drive innovation, spur private sector investment, improve public infrastructure, and create new economic opportunity. Pursuant to section 511 of this order, agencies shall implement this order in accordance with my Administration's policies to combat the climate crisis; help American businesses compete in strategic industries; create and sustain well-paying union jobs that allow workers to thrive; maximize the use of American goods, products, materials, and services; and promote a secure, just, and equitable future for all Americans.

Sec. 201. *Agency Goals and Targets.* (a) In implementing the policy set forth in section 101 of this order and to support the achievement of the government-wide goals of section 102 of this order, the head of each agency shall propose targets, including annual progress targets as applicable, to meet the requirements of sections 202 through 206 of this order.

(b) The Chair of the Council on Environmental Quality (CEQ) and the Director of the Office of Management and Budget (OMB) shall review the targets, and agencies shall incorporate such targets into the performance management systems described under section 503 of this order, as appropriate.

Sec. 202. *Reducing Agency Greenhouse Gas Emissions.* Each agency shall reduce its scope 1, 2, and 3 greenhouse gas emissions, as defined by the Federal Greenhouse Gas Accounting and Reporting Guidance, by setting and meeting targets for fiscal year 2030 measured from a fiscal year 2008 baseline.

Sec. 203. *Transitioning to 100 Percent Carbon Pollution-Free Electricity.* Each agency shall increase its percentage use of carbon pollution-free electricity, so that it constitutes 100 percent of facility electrical energy use on an annual basis, and seek to match use on an hourly basis to achieve 50 percent 24/7 carbon pollution-free electricity, by fiscal year 2030. In addition, agencies shall facilitate new carbon pollution-free electricity generation and energy storage capacity by authorizing use of their real property assets, such as rooftops, parking structures, and adjoining land, for the development of new carbon pollution-free electricity generation and energy storage through leases, grants, permits, or other mechanisms, to the extent permitted by law.

Sec. 204. *Transitioning to a Zero-Emission Fleet.* Each agency's light-duty vehicle acquisitions shall be zero-emission vehicles by the end of fiscal year 2027. Each agency with a fleet comprising at least 20 vehicles shall develop and annually update a zero-emission fleet strategy that shall include optimizing fleet size and composition; deploying zero-emission vehicle refueling infrastructure; and maximizing acquisition and deployment of zero-emission light-, medium-, and heavy-duty vehicles where the General Services Administration (GSA) offers one or more zero-emission vehicle options for that vehicle class.

Sec. 205. *Achieving Net-Zero Emissions Buildings, Campuses, and Installations.* (a) Each agency shall achieve net-zero emissions across its portfolio of buildings, campuses, and installations by 2045 and reduce greenhouse gas emissions by 50 percent from buildings, campuses, and installations by 2032 from 2008 levels, prioritizing improvement of energy efficiency and the elimination of onsite fossil fuel use.

(b) To prioritize reductions in scope 1 greenhouse gas emissions, as defined by the Federal Greenhouse Gas Accounting and Reporting Guidance, agencies should use the Federal building performance standards issued pursuant to section 510 of this order.

(c) To reduce scope 1 and 2 greenhouse gas emissions, as defined by the Federal Greenhouse Gas Accounting and Reporting Guidance, to achieve net-zero emissions buildings, agencies shall:

(i) pursue building electrification strategies in conjunction with carbon pollution-free energy use, deep-energy retrofits, whole-building commissioning, energy and water conservation measures, and space reduction and consolidation;

(ii) design new construction and modernization projects greater than 25,000 gross square feet to be net-zero emissions by 2030;

(iii) implement CEQ's Guiding Principles for Sustainable Federal Buildings in building design, construction, and operation of all new Federal buildings and renovated existing buildings; and

(iv) use performance contracting, in accordance with the provisions of section 1002 of the Energy Act of 2020 (Public Law 116-133, division Z), to improve efficiency and resilience of Federal facilities, deploy clean and innovative technologies, and reduce greenhouse gas emissions from building operations.

Sec. 206. Increasing Energy and Water Efficiency. Each agency shall increase facility energy efficiency and water efficiency and shall establish targets for fiscal year 2030 for agency-wide facility energy use intensity and potable water use intensity, with consideration of performance benchmarks for categories of building types (e.g., hospitals, office buildings) and the composition of the agency's building portfolio.

Sec. 207. Reducing Waste and Pollution. Each agency shall minimize waste, including the generation of wastes requiring treatment and disposal; advance pollution prevention; support markets for recycled products; and promote a transition to a circular economy, as defined in section 2 of the Save Our Seas 2.0 Act (Public Law 116-224), by annually diverting from landfills at least 50 percent of non-hazardous solid waste, including food and compostable material, and construction and demolition waste and debris by fiscal year 2025; and 75 percent by fiscal year 2030.

Sec. 208. Sustainable Acquisition and Procurement. (a) Agencies shall reduce emissions, promote environmental stewardship, support resilient supply chains, drive innovation, and incentivize markets for sustainable products and services by prioritizing products that can be reused, refurbished, or recycled; maximizing environmental benefits and cost savings through use of full lifecycle cost methodologies; purchasing products that contain recycled content, are biobased, or are energy and water efficient, in accordance with relevant statutory requirements; and, to the maximum extent practicable, purchasing sustainable products and services identified or recommended by the Environmental Protection Agency (EPA).

(b) The Chair of CEQ shall consider establishing Federal food procurement policies to reduce associated greenhouse gas emissions and drive sustainability in the Federal food supply chain.

Sec. 209. Adapting the Federal Government to the Impacts of Climate Change. Consistent with its mission, each agency shall:

(a) develop or revise policies and processes to promote climate resilient investment that advances adaptation to climate change and protects public health and the environment;

(b) conduct climate adaptation analysis and planning for climate-informed financial and management decisions and program implementation;

(c) reform agency policies and funding programs that are maladaptive to climate change and increase the vulnerability of communities, natural or built systems, economic sectors, and natural resources to climate impacts, or related risks; and

(d) develop and enhance tools that assess climate change impacts and support climate adaptation planning and implementation.

Sec. 301. Federal Supply Chain Sustainability. Federal supply chains should support a Government and economy that serves all Americans by creating and sustaining well-paying union jobs, protecting public health, advancing

environmental justice, reducing greenhouse gas emissions, and building resilience to climate change. Consistent with applicable law, agencies shall pursue procurement strategies to reduce contractor emissions and embodied emissions in products acquired or used in Federal projects.

Sec. 302. *Supplier Emissions Tracking.* The Administrator of GSA shall track disclosure of greenhouse gas emissions, emissions reduction targets, climate risk, and other sustainability-related actions by major Federal suppliers, based on information and data collected through supplier disclosure pursuant to the requirements of section 5(b)(i) of Executive Order 14030 of May 20, 2021 (Climate-Related Financial Risk), and shall assist the Chair of CEQ in assessing the results of efforts to reduce Federal supply chain emissions.

Sec. 303. *Buy Clean.* The Buy Clean Task Force established pursuant to section 508 of this order shall provide recommendations to the Chair of CEQ and the Director of OMB, through the Administrator of the Office of Federal Procurement Policy, on policies and procedures to expand consideration of embodied emissions and pollutants of construction materials in Federal procurement and federally funded projects, to include:

(a) identifying and prioritizing pollutants and materials, such as concrete and steel, to be covered under a Buy Clean policy, taking into account the availability of relevant data, including from environmental product declarations, and consistency with existing environmental reporting requirements;

(b) providing recommendations to increase transparency of embodied emissions, including supplier reporting; procedures for auditing environmental product declarations and verifying accuracy of reported emissions data; and recommendations for grants, loans, technical assistance, or alternative mechanisms to support domestic manufacturers in enhancing capabilities to report and reduce embodied emissions in priority materials they produce; and

(c) recommending pilot programs that incentivize Federal procurement of construction materials with lower embodied emissions.

Sec. 401. *Engaging, Educating, and Training the Federal Workforce.* Meeting the challenges of climate change and achieving the goals of this order requires an investment in the Federal Government's employees and a workforce with the knowledge and skills to effectively apply sustainability, climate adaptation, and environmental stewardship across disciplines and functions. Agencies shall foster a culture of sustainability and climate action; build employees' skills and knowledge through engagement, education, and training; and incorporate environmental stewardship values and, where appropriate, sustainability goals and objectives into performance plans of executives, managers, and staff. The Director of the Office of Personnel Management (OPM), within 90 days of the date of this order, shall prepare a report for the Chair of CEQ that outlines opportunities for including or expanding environmental sustainability and climate adaptation training content in existing Federal training programs, including OPM leadership training programs, and strategies for incorporating sustainability into performance plans. In developing this report, the Director of OPM shall coordinate with the Secretary of Energy, the Administrator of the EPA, the Administrator of GSA, and, as appropriate, the heads of other agencies, as well as Federal employee unions.

Sec. 402. *Incorporating Environmental Justice.* Environmental justice can only be achieved by ensuring that all those affected by agency operations enjoy the same degree of protection from environmental and health hazards. Accordingly, it is critical that the Federal Government incorporate environmental justice considerations into sustainability and climate adaptation planning, programs, and operations. Consistent with applicable law, agencies shall consider incorporating recommendations of the Justice40 Initiative, required by section 223 of Executive Order 14008 of January 27, 2021 (Tackling the Climate Crisis at Home and Abroad), on how Federal investments might be made toward a goal that 40 percent of the overall benefits

flow to disadvantaged communities that have been historically marginalized and overburdened by pollution and underinvestment in housing, transportation, energy, water, wastewater infrastructure, and health care, into operational planning and decision-making regarding Federal facilities, fleets, and operations. Agencies shall address actions taken to advance environmental justice as part of sustainable operations within the annual Sustainability Plans and Climate Adaptation and Resilience Plans required under section 503 of this order.

Sec. 403. Accelerating Progress Through Public, Private, and Non-profit Sector Engagement. (a) Through strong partnerships with the public, private, and non-profit sectors and labor unions and worker organizations, we can more effectively catalyze the growth of clean energy industries and jobs. The Federal Chief Sustainability Officer, reestablished in section 501 of this order, and the heads of agencies shall seek to engage with stakeholders and partners in achieving the goals of this order.

(b) In coordination with the Chair of CEQ and the heads of other agencies, as appropriate, the Director of OPM shall facilitate establishment of a Presidential Sustainability Executives Program to place senior leaders from the private and non-profit sectors into term-limited appointments to bring innovative perspectives and expertise to Federal Government and assist agencies in efforts related to climate action and sustainability.

Sec. 501. Establishment of the Office of the Federal Chief Sustainability Officer. The Office of the Federal Chief Sustainability Officer is reestablished within CEQ. The EPA shall provide funding and administrative support for the Office.

(a) The Office shall be headed by a Federal Chief Sustainability Officer, who shall be appointed by the President. The Federal Chief Sustainability Officer shall lead the development of policies, programs, and partnerships to achieve the policies set forth in this order, advance sustainability and climate resilient Federal operations, and ensure the Federal Government leads by example in combating the climate crisis.

(b) The heads of all agencies shall cooperate with the Federal Chief Sustainability Officer and provide such information, support, and assistance as the Federal Chief Sustainability Officer may request, as appropriate and consistent with applicable law.

Sec. 502. Designation and Duties of Agency Chief Sustainability Officers. Within 30 days of the date of this order or 30 days of an Agency Chief Sustainability Officer leaving that position, heads of agencies shall designate an Agency Chief Sustainability Officer, and assign to the designated official the responsibility for leading agency planning, implementation, and related actions, to include establishment of internal metrics and performance management systems, to achieve the policy in section 101 and the goals set forth in and targets established under sections 201–209 of this order. Agency Chief Sustainability Officers shall provide to the Director of OMB, the Chair of CEQ, and the Federal Chief Sustainability Officer any information and assistance necessary to implement this order, consistent with applicable law.

Sec. 503. Agency Planning and Performance Management. (a) The heads of principal agencies shall develop and implement annual Sustainability Plans, based on annual guidance provided by CEQ, describing actions and progress toward the goals and requirements of this order.

(b) The heads of principal agencies shall develop, implement, and update Climate Adaptation and Resilience Plans that build on the agency's plan submitted pursuant to section 211 of Executive Order 14008.

(c) The Chair of CEQ and the Director of OMB shall conduct management reviews with each principal agency, at least annually or more frequently as appropriate, to assess implementation and progress on agency plans developed pursuant to this order, the goals set forth in this order, and targets established under this order.

(d) The heads of agencies other than principal agencies are encouraged to develop, implement, or update plans and participate in management reviews under this section.

Sec. 504. Duties of the Chair of the Council on Environmental Quality. In coordination with the Director of OMB, the Chair of CEQ shall:

(a) issue guidance, including the guidance required by section 510(b) of this order, or revise existing guidance, as necessary, for agency implementation of this order,

(b) establish a Chief Sustainability Officer Council that shall advise the Director of OMB and the Chair of CEQ on the performance of agency responsibilities under this order. The Federal Chief Sustainability Officer shall chair the Council. Members of the Council shall include those Agency Chief Sustainability Officers invited by the Chair of CEQ, as well as representatives designated by the heads of other agencies at the invitation of CEQ, including representatives from OMB, the Federal Energy Management Program within the Department of Energy, the Office of Federal High-Performance Green Buildings within GSA, and a Federal expert on environmental justice.

(c) establish, as appropriate and consistent with applicable law, committees, interagency groups, or task forces to provide information, recommendations, and assistance to CEQ and OMB in implementing this order.

Sec. 505. Duties of the Director of OMB. The Director of OMB shall coordinate with the Chair of CEQ on implementation of the duties contained in section 504 of this order and, after consultation with the Chair of CEQ and the National Climate Advisor, issue instructions to the heads of agencies concerning periodic performance evaluation of agency implementation of this order and prepare scorecards providing periodic evaluation of principal agency performance in implementing this order.

Sec. 506. Duties of the National Climate Advisor. The National Climate Advisor shall monitor and evaluate progress toward the government-wide goals set forth in section 102 of this order in coordination with the National Climate Task Force established pursuant to section 203 of Executive Order 14008.

Sec. 507. Duties of Heads of Agencies. (a) To ensure successful implementation of the policy established in section 101 of this order and the goals set forth in section 102 of this order, the head of each agency shall:

(i) develop an agency-wide strategic process that coordinates appropriate agency functions and programs to ensure that those functions and programs consider and address the goals of this order; and

(ii) issue or revise existing agency policies, directives, and guidance, as appropriate.

(b) To support a whole-of-government approach to achieve the policy in section 101 of this order, independent agencies are encouraged to implement the policy, goals, and provisions of this order, consistent with applicable law.

Sec. 508. Establishment of Federal Leaders Working Groups. The following Federal Leaders working groups are hereby established, to be housed within CEQ: 100 Percent 24/7 Carbon Pollution-Free Electricity; Zero-Emission Vehicle Fleets; Net-Zero Emissions Buildings; Net-Zero Emissions Procurement, including a Buy Clean Task Force; and Climate Adaptation and Resilience. The Chair of CEQ shall designate the chair or co-chairs for each working group and provide guidance on their membership and responsibilities. The working groups shall provide semiannual reports to the National Climate Task Force on actions, findings, and progress toward government-wide goals.

Sec. 509. Government-wide Support and Collaboration. Achieving the government-wide goals of section 102 and the agency goals of sections 201 through 209 of this order requires transforming how we build, buy, and manage across the Federal Government. To support a whole-of-government approach:

(xii), and adding in lieu thereof the following: "(xii) the Senior Advisor for Clean Energy Innovation and Implementation; and (xiii) the heads of such other executive departments, agencies, and offices as the Co-Chairs may from time to time invite to participate."

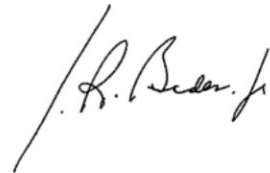
Sec. 5. General Provisions. (a) Nothing in this order shall be construed to impair or otherwise affect:

(i) the authority granted by law to an executive department or agency, or the head thereof; or

(ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

(b) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.

(c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.



THE WHITE HOUSE,
September 12, 2022.

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(iii) the Attorney General;
(iv) the Secretary of the Interior;
(v) the Secretary of Agriculture;
(vi) the Secretary of Commerce;
(vii) the Secretary of Labor;
(viii) the Secretary of Health and Human Services;
(ix) the Secretary of Housing and Urban Development;
(x) the Secretary of Transportation;
(xi) the Secretary of Energy;
(xii) the Secretary of Education;
(xiii) the Secretary of Homeland Security;
(xiv) the Administrator of the Environmental Protection Agency;
(xv) the Director of the Office of Management and Budget;
(xvi) the Director of the Office of Science and Technology Policy;
(xvii) the Administrator of the Small Business Administration;
(xviii) the Chair of the Council on Environmental Quality;
(xix) the Assistant to the President for National Security Affairs;
(xx) the Assistant to the President for Domestic Policy;
(xxi) the Assistant to the President for Homeland Security and Counterterrorism;
(xxii) the Assistant to the President for Economic Policy;
(xxiii) the Administrator of the National Aeronautics and Space Administration;
(xxiv) the Chief Executive Officer of the Corporation for National and Community Service;
(xxv) the Administrator of General Services;
(xxvi) the White House Infrastructure Coordinator; and
(xxvii) the heads of such other departments, agencies, and offices as the Chair or Vice Chair may from time to time invite to participate.”.

(iii) To expand the mission of the National Climate Task Force to include coordinating effective implementation of the Act, as outlined in section 2 of this order, the second sentence of section 203(b) is revised to read as follows: “This Task Force shall facilitate planning and implementation of key Federal actions to reduce climate pollution; increase resilience to the impacts of climate change; protect public health; conserve our lands, waters, oceans, and biodiversity; deliver environmental justice; spur well-paying union jobs and economic growth; coordinate effective implementation of Public Law 117–169, commonly referred to as the Inflation Reduction Act of 2022, in coordination with the Infrastructure Implementation Task Force established in Executive Order 14052 of November 15, 2021 (Implementation of the Infrastructure Investment and Jobs Act), as appropriate; and accelerate clean energy innovation and deployment.”.

(iv) The introductory text following the heading for section 218 is revised to read as follows: “There is hereby established an Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization (Interagency Working Group). The National Climate Advisor, the Assistant to the President for Economic Policy, and the Senior Advisor for Clean Energy Innovation and Implementation shall serve as Co-Chairs of the Interagency Working Group.”.

(b) Section 1–102(b) of Executive Order 12898 of February 11, 1994 (Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations), as amended by section 220(a) of Executive Order 14008, is further amended by revising subsection (xvii) and (xviii) and adding subsection (xix) to read as follows: “(xvii) the Assistant to the President for Domestic Policy; (xviii) the Assistant to the President for Economic Policy; and (xix) the Senior Advisor for Clean Energy Innovation and Implementation.”.

(c) To further support implementation of the energy and infrastructure provisions of the Act, section 3(d) of Executive Order 14052 of November 15, 2021 (Implementation of the Infrastructure Investment and Jobs Act), is amended by striking “and” at the end of subsection (xi), striking subsection

(a) investing public dollars effectively and efficiently, working to avoid waste, and achieving measurable, demonstrable outcomes for the American people;

(b) driving progress to achieve the climate goals of the United States to reduce greenhouse gas emissions 50–52 percent below 2005 levels in 2030, achieve a carbon pollution-free electricity sector by 2035, and achieve net-zero emissions by no later than 2050;

(c) advancing environmental and climate justice through an all-of-government approach, including through the Justice40 Initiative set forth in Executive Order 14008 of January 27, 2021 (Tackling the Climate Crisis at Home and Abroad), to protect and improve the health and well-being of fence-line and frontline communities in the United States;

(d) promoting construction of clean energy generation, storage, and transmission, and enabling technologies through efficient, effective mechanisms that incorporate community engagement;

(e) increasing the competitiveness of the United States economy and investment in critical supply chains, including through the Act's incentives and measures to strengthen domestic manufacturing and supply chains;

(f) increasing high-quality job opportunities for American workers and improving equitable access to these jobs, including in traditional energy communities, through the timely implementation of the Act's requirements for prevailing wages and registered apprenticeships and by focusing on high labor standards and the free and fair chance to join a union;

(g) reducing energy costs for working families, businesses, and governments at all levels while increasing energy security for the benefit of United States economic competitiveness and national security;

(h) accelerating innovation by directing the scientific and technical expertise of America's researchers, businesses, and workers toward achieving breakthroughs in clean energy and climate technologies; and

(i) effectively coordinating with State, local, Tribal, and territorial governments, as well as with private-sector stakeholders and nongovernmental organizations, in implementing the critical investments outlined in this section to build sustainable, resilient communities.

Sec. 3. White House Office on Clean Energy Innovation and Implementation. There is hereby established the White House Office on Clean Energy Innovation and Implementation within the Executive Office of the President, which shall coordinate the policymaking process with respect to implementing the energy and infrastructure provisions of the Act and other essential initiatives. The White House Office on Clean Energy Innovation and Implementation shall have a staff headed by the Senior Advisor for Clean Energy Innovation and Implementation; shall have such staff and other assistance as may be necessary to carry out the provisions of this order, subject to the availability of appropriations; and may work with established or ad hoc committees and interagency groups.

Sec. 4. Interagency Coordination. (a) To further the robust implementation of the energy and infrastructure provisions of the Act, Executive Order 14008 is amended as follows:

(i) The introductory text following the heading for section 203 is revised to read as follows: "There is hereby established a National Climate Task Force (Task Force). The Task Force shall be chaired by the Senior Advisor for Clean Energy Innovation and Implementation. The National Climate Advisor shall serve as Vice Chair."

(ii) Section 203(a) is revised to read as follows:

"(a) Membership. The Task Force shall consist of the following additional members:

- (i) the Secretary of the Treasury;
- (ii) the Secretary of Defense;