

1 To the Reader:

2 We are pleased to present for review and comment this preliminary Climate Change Technology Program
3 (CCTP) *Strategic Plan*. This *Plan* provides strategic direction for the agencies of the Federal
4 Government in formulating a coordinated approach to climate-change-related technology research,
5 development, demonstration, and deployment. These CCTP activities form the technology component of
6 a comprehensive U.S. approach to climate change that also includes undertaking short-term actions to
7 reduce greenhouse gas emissions intensity, advancing climate science, and promoting international
8 cooperation.

9 As a party to the United Nations Framework Convention on Climate Change (UNFCCC), the United
10 States shares with many countries its ultimate goal: stabilization of greenhouse gas (GHG) concentrations
11 in the Earth's atmosphere at a level that prevents dangerous interference with the climate system.
12 Appropriately, this *Plan* takes a century-long look at the nature of the climate change challenge and the
13 potential for technological solutions across a range of uncertainties. The overwhelming majority of
14 anthropogenic GHG emissions that will occur over the course of the 21st century will arise from
15 equipment and infrastructure that is not yet built – a circumstance that poses significant opportunities for
16 the United States and the world to reduce or eliminate these GHG emissions.

17 This *Plan* articulates a vision of the role for advanced technology in addressing climate change, defines a
18 supporting mission for the multi-agency CCTP, establishes strategic direction and a framework of guiding
19 principles for Federal R&D agencies in formulating a CCTP research and development portfolio, outlines
20 approaches to attain CCTP's six strategic goals, and identifies a series of next steps toward
21 implementation. This endeavor will strengthen the U.S. research enterprise, stimulate U.S. innovation
22 and advance technology development in many and, perhaps, unexpected ways, expanding options and
23 reducing their costs. A sound strategic plan can help us capitalize on these innovations. It is our hope
24 that others, at home and abroad, will be inspired by this example, launch initiatives of their own, and
25 collaborate with us in this ambitious undertaking.

26 By seeking comments on this preliminary *Plan*, we hope to stimulate a thoughtful and energetic dialogue
27 among those in the research communities, industry, agriculture, and the general public to help shape and
28 strengthen CCTP and expand opportunities for cooperation and collaboration. To help us address
29 comments most effectively, commenters should use the standard template found at:
30 <http://www.climatetechnology.gov>. Alternatively, comments may be submitted via email to:
31 cctp@hq.doe.gov, or in writing to: Director, U.S. Climate Change Technology Program, 1000
32 Independence Avenue, S.W., U.S. Department of Energy, Washington, DC 20585.

33 The United States is working to ensure a bright and secure energy and economic future for our Nation and
34 a healthy planet for future generations. Through a combination of near-term actions, enhanced scientific
35 understanding of climate change, advanced technology development, and international cooperation, this
36 future can become a reality.

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