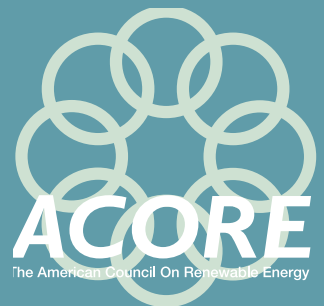




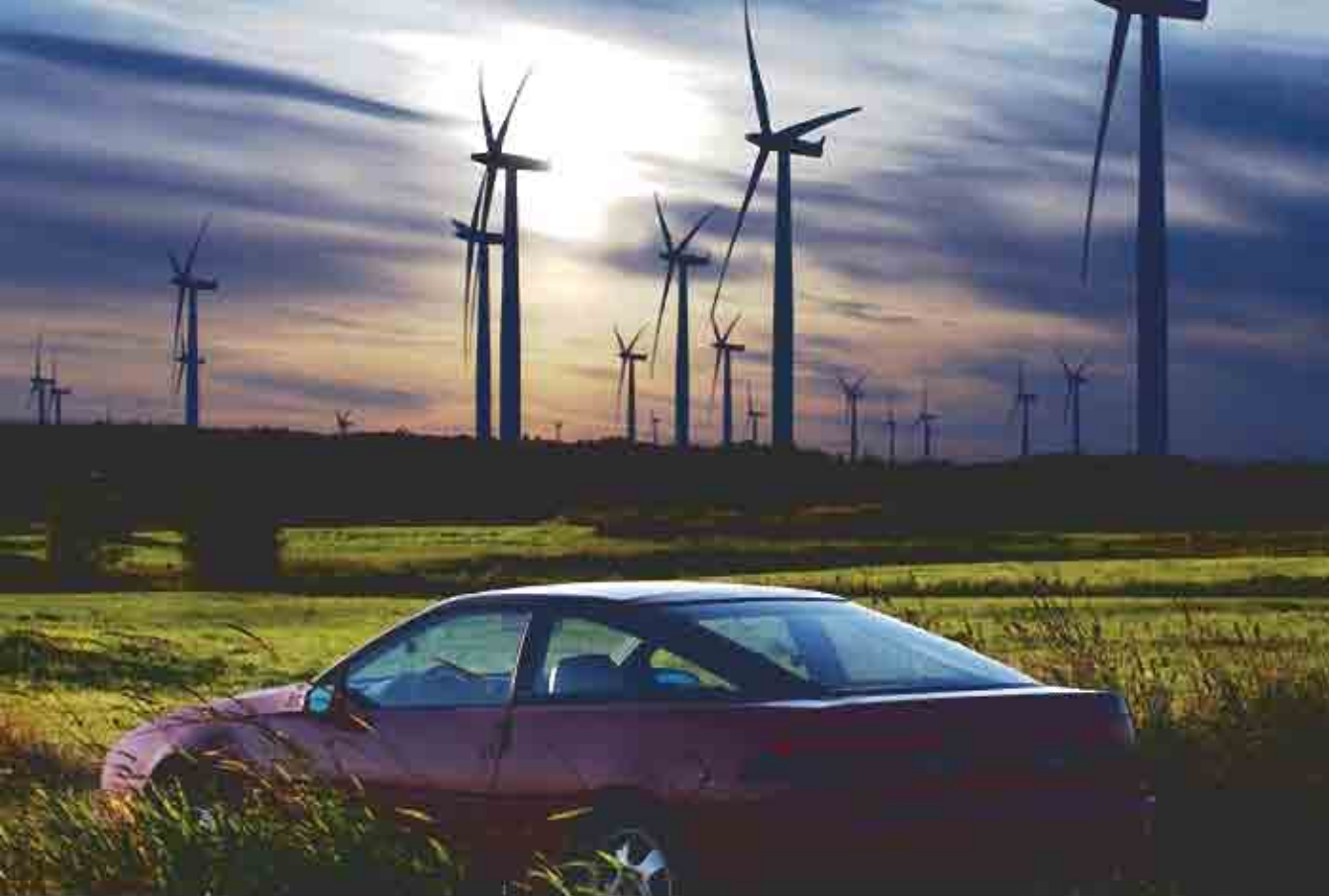
The Outlook on Renewable Energy in America Volume II: Joint Summary Report

American Council On Renewable Energy
(ACORE)



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Endorsing Organizations

The following organizations gave presentations to ACORE's Phase II of Renewable Energy in America Conference on November 30, 2006, and continued to work together on the development of this Joint Outlook report with the facilitation assistance of RESOLVE. Each organization endorses the outlook and numbers they provided.

NONPROFIT AND ACADEMIC ORGANIZATIONS:

American Council on Renewable Energy
American Solar Energy Society
Apollo Alliance
Energy Future Coalition
The Renewable and Appropriate Energy Laboratory of the University of California at Berkeley
Union of Concerned Scientists
Worldwatch Institute

TRADE ASSOCIATIONS:

American Wind Energy Association
Biomass Coordinating Council
Geothermal Energy Association
National Hydropower Association
National Biodiesel Board
Ocean Energy Council
Renewable Fuels Association
Solar Energy Industries Association
U.S. Combined Heat & Power Association

PARTICIPATING AGENCIES, INSTITUTES, AND ASSOCIATIONS

The following organizations gave presentations to ACORE's Renewable Energy in America conference on November 30, 2006, which preceded and supplied data for this report – but, as government agencies, research institutes and associations, do not endorse this report:

U.S. Department of Energy
Electric Power Research Institute
Energy Information Administration
National Renewable Energy Laboratory
Western Governors' Association





Table of Contents

Endorsing Organizations	3
Executive Summary	7
Section 1 - AMERICA'S NEED FOR ENERGY	9
Section 2 - HOW RENEWABLE ENERGY CAN MEET AMERICA'S NEEDS.....	12
Section 3 - OUTLOOK BY TECHNOLOGY	15
Section 4 - MARKET OUTLOOK & CHALLENGES.....	21
Section 5 - BENEFITS FOR THE U.S. AND THE WORLD	26
Section 6 - GUIDING PRINCIPLES	28
Notes	30



EXECUTIVE SUMMARY

This document, a *Joint Outlook on Renewable Energy in America*, presents a shared statement by the renewable energy community. According to experts, renewable energy could provide up to 635 gigawatts (GW) of new electricity generating capacity by 2025 – a substantial contribution and potentially more than the nation’s need for new capacity, according to the U.S. Energy Information Administration.¹ This capacity will come from a wide array of new technologies utilizing the full range of our renewable resources (see Table 1).

Table 1 Renewable Power by 2025: Total Prospects of 635 Gigawatts (GW)

Wind power	248 GW ²
Solar energy and power	164 GW ³
Water power	23 GW ⁴
Geothermal energy and power	100 GW ⁵
Biomass energy, power, and fuels	100 GW ⁶

In addition, renewable fuels can serve a large portion of U.S. oil consumption needs. Recent studies suggest that biofuels could supply 30% to 40% of U.S. petroleum products by 2030.⁷ Ethanol fuel alone could reach 11.5 billion gallons per year by the end of the first quarter of 2009, a significant contribution to the approximately 135 billion gallons of gasoline we consume annually.

America needs energy that is secure, reliable, improves public health, protects the environment, addresses climate change, creates jobs, and provides technological leadership. America needs renewable energy.

If renewable energy is to be developed to its full potential, America will need coordinated, sustained federal and state policies that expand renewable energy markets; promote and deploy new technology; and provide appropriate opportunities to encourage renewable energy use in all critical energy market sectors: wholesale and distributed electricity generation, thermal energy applications, and transportation.

To make the transition to a sustainable energy future, public policy should be built on the following principles:

- Act now with resolve and decisiveness in favor of renewable energy.
- Build a comprehensive national renewable energy strategy that addresses the full range of technological and market issues.
- Utilize the competitive market as the most powerful driver of change.
- Create energy policies that address both the challenges of oil dependence



and global warming in an integrated way.

- Recognize that energy efficiency and renewable energy work together.
- Provide long-term incentives for renewable power investments, modernizing our transmission and distribution systems, and investing in the next generation of biofuel facilities and their needed marketing infrastructure.
- Scale up an accelerated national R&D program to return the U.S. to global leadership.
- Implement long-term and stable policy commitments that allow industry, the financial sector, and individual Americans to make long-term decisions.

By taking the new path toward a sustainable energy future, America will have a bold new outlook. We envision a nation with greater prosperity for all, whose politics are not held hostage by foreign crisis or natural catastrophe, and whose children and grandchildren live better, healthier lives.