

IEEE ENERGY POLICY COMMITTEE

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- ▶ IEEE-USA created the Energy Policy Committee (EPC) to assist in the resolution of energy problems in the United States through the provision of rational, sound, technical, and professional counsel based upon the best resources available from the IEEE. A major portion of EPC's efforts are directed towards energy-related activities of the legislative and executive branches at all levels of the U.S. government.

IEEE ENERGY POLICY COMMITTEE

- ▶ The EPC may address all aspects of the U.S., regional, state or local energy situation where the engineering knowledge and skills of IEEE members can make a constructive contribution. The committee may provide a vehicle for presenting the sound technical views of the IEEE to the public and appropriate elements of government. EPC will prepare and present positions in accordance with IEEE-USA procedures on any aspect of governmental energy policy within the technical and professional competence of IEEE. The committee works to provide balanced, technically sound information on energy related matters to U.S. IEEE members.

IEEE ENERGY POLICY COMMITTEE

- ▶ Committee activities include:
 - ▶ Gathering data in energy issues from around the world
 - ▶ Open discussion of issues relevant to the USA energy policy
 - ▶ Producing papers in response to specific problems or legislation before the US Congress
 - ▶ Provide subject matter experts to Congress as requested
 - ▶ Washington DC Fellows Program

IEEE ENERGY POLICY COMMITTEE

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- ▶ **Education:**
- ▶ **Standards:**
- ▶ **Best Practices:**
- ▶ **Transportation:**
- ▶ **Industrial Process R&D:**
- ▶ **Electric Grid Efficiency:**

PURSUING ENERGY EFFICIENCY AND
DEMAND RESPONSE

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- ▶ Electrifying Transportation: Plug-In and Hybrid Electric Vehicles
 - ▶ **Efficiency and Deployment:**
 - ▶ **Battery Charging Infrastructure:**
 - ▶ **Battery R&D:**
 - ▶ **Grid Integration R&D:**
- ▶ Developing and Using Alternative Transportation Fuels
 - ▶ **Fuel Flexibility:**
 - ▶ **Biomass R&D:**
 - ▶ **Fuel Distribution and Control:**
 - ▶ **Government Vehicles:**

TRANSFORMING TRANSPORTATION BY
DIVERSIFYING ENERGY SOURCES



- ▶ Expanding the Use of Renewable Electric Generation
 - ▶ **R&D:**
 - ▶ **Market Transformation:**
- ▶ Revitalizing Nuclear Power Generation
 - ▶ **Spent Fuel Management:**
 - ▶ **Nuclear Fuel Reprocessing:**
- ▶ Reducing Carbon Emissions from Fossil Power Plants
 - ▶ **CCUS R&D:**
 - ▶ **Clean Generation R&D:**

GREENING THE ELECTRIC POWER SUPPLY

CYBER AND CRITICAL POWER, AND
ENERGY INFRASTRUCTURE SECURITY

BUILDING A STRONGER, MORE INTELLIGENT
ELECTRIC ENERGY INFRASTRUCTURE

ENERGY SECTOR JOBS, WORKFORCE
REQUIREMENTS AND THE ECONOMY



- <http://www.ieeeusa.org/volunteers/committees/epc/default.asp>
- <http://www.ieeeusa.org/policy/positions/IEEE-USA-NEPR-2014.pdf>