

GLOBAL CLIMATE CHANGE AND THE UNIQUE (?) CHALLENGES POSED BY THE TRANSPORTATION SECTOR

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This presentation will describe findings from the first phase of the Global Energy Technology Strategy Project (GTSP). The GTSP is a unique international, public/private collaboration designed to address the role that technology can play in addressing the long-term risks of climate change. The program began in 1998, and Phase I of GTSP culminated in the publication of a document summarizing key findings, which were presented at the sixth meeting of the Conference of the Parties to the United Nations Framework Convention on Climate Change as well as in testimony before the U.S. Senate and in numerous other policy and scientific venues. This work has laid the foundation for developing a long-term technological response to climate change in the United States. The presentation will also include early highlights from ongoing research in Phase II of the GTSP (which was initiated in the spring of 2002) that is specifically focused on the challenge associated with decarbonizing the transportation sector. The sponsors of the GTSP include the Battelle Memorial Institute, BP, Electric Power Research Institute, ExxonMobil, General Motors, Kansai Electric Power, National Institute for Environmental Studies (Japan), New Energy and Industrial Development Organization (Japan), North American Free Trade Agreement -- Commission for Environmental Cooperation, PEMEX (Mexico), Tokyo Electric Power, Toyota Motor Company, and the U.S. Department of Energy.