Effects of Impurities on Fuel Cell Performance and Durability (Topic 6)

University of Connecticut

- Funding

DOE Cost Share	Recipient Cost Share	TOTAL
$1,895,265	$473,816	$2,369,081
80%	20%	100%

- Project Description: This collaborative effort will develop, document and disseminate an understanding of the effects of contaminants in the fuel and oxidant streams on polymer electrolyte membrane (PEM) fuel cell performance and durability. Project objectives include: identifying major contaminants that impact fuel cell systems and their effect on performance decay; developing and experimentally validating models that explain and predict fuel cell performance changes; investigating new technologies that mitigate the effects of contaminants on fuel cells; and disseminating program findings to the fuel cell community.

- Timeframe: 4 years, starting in FY07

Sub-Contractors

Institutions
Fuel Cell Energy
Hamilton Sundstrand (subsidiary of United Technologies Corporation)