
Proposed HTAC Scorecard/Evaluation Matrix

Frank Novachek
June 14, 2011

Excerpt from Title VIII-Hydrogen

□ SEC.802.PURPOSES

The purposes of this title are-

- (1) To enable and promote comprehensive development, demonstration, and commercialization of hydrogen and fuel cell technology in partnership with industry;
 - (2) To make critical public investments in building strong links to private industry, institutions of higher education, National Laboratories, and research institutions to expand innovation and industrial growth;
 - (3) To build a mature hydrogen economy that creates fuel diversity in the massive transportation sector of the United States;
 - (4) To sharply decrease the dependency of the United States on imported oil, eliminate most emissions from the transportation sector, and greatly enhance our energy security; and
 - (5) To create strengthen, and protect a sustainable national energy economy.
-

Excerpt from SEC.807. Technical Advisory Committee

- (c) REVIEW.-The Technical Advisory Committee shall review and make recommendations to the Secretary on-
 - (1) The implementation of programs and activities under this title;
 - (2) The safety, economical, and environmental consequences of technologies for the production distribution, delivery, storage, or use of hydrogen energy and fuel cells; and
 - (3) The plan under section 804*.

** Note that provisions in section 804 were largely applicable only during the first five years after EPACT 2005 was in enacted.*

Excerpt from DOE's HTAC Charter

□ **HTAC Objectives and Scope of Activities & Duties**

- To provide advice to the Secretary on the program authorized by Title VIII, Hydrogen, of the Energy Policy Act of 2005 (EPACT), Public Law No. 109-58.
- The Committee's scope will be to review and make recommendations to the Secretary on (1) the implementation of programs and activities under Title VIII of EPACT; (2) the safety, economical, and environmental consequences of technologies for the production distribution, deliver, storage, or use of hydrogen energy and fuel cells; and (3) the plan under section 804 of EPACT*.

** Note that provisions in section 804 were largely applicable only during the first five years after EPACT 2005 was in enacted.*

Proposed HTAC Scorecard Concept

DRAFT
- Illustrative -

HTAC Scorecard 2011

Technology Areas		Key Performance Criteria					
		Safety		Economics		Environment	
		General	Codes & Stds	National Competitiveness	Business Case	CO2	Other Emissions
Production	Renewables	Green	Yellow	Yellow	Yellow	Green	Green
	Fossil	Green	Yellow	Yellow	Green	Yellow	Yellow
	Nuclear	Yellow	Yellow	Yellow	Yellow	Green	Green
Infrastructure	T&D	Yellow	Yellow	Red	Yellow	Yellow	Yellow
	Fueling	Green	Yellow	Red	Green	Green	Green
Storage	On-Board Vehicle	Green	Yellow	Yellow	Green	Green	Green
	Renewable Enabling	Yellow	Yellow	Green	Yellow	Green	Green
Fuel Cells	Vehicles	Green	Yellow	Yellow	Yellow	Green	Green
	Stationary	Green	Yellow	Yellow	Yellow	Green	Green
Title VIII		?	?	?	?	?	?

HTAC Reaction?
