Gopstein, Avi (S4)

From: Hopkins, Asa (S4)
Sent: Thursday, August 25, 2011 2:10 PM
To: 'doe-qtrmailbox@hq.doe.gov'
Cc: Gopstein, Avi (S4)
Subject: FW: qtr guidelines
Attachments: qtr comment.pdf

For the record

From: sigmundgronich@aol.com [mailto:sigmundgronich@aol.com]
Sent: Thursday, August 25, 2011 11:50 AM
To: Hopkins, Asa (S4); Chambers, Megan (S4); Holland, Mike (S4)
Subject: qtr guidelines

Hi Asa and Mike:

I was reading the guidelines for the qtr document and attached the above from the document. In particular what caught my eye was that: we (DOE) do not pick winners and losers; the market makes those selections. You have been given evidence as well as public statements by auto companies that they plan to commercialize the hydrogen fuel cell vehicle by 2015 and plan to deploy 50,000 HFCVs by 2017 in the U.S. Secondly, "we (DOE) support commercialization as an essential part of what we do". Hydrogen infrastructure is a critical demonstration requirement in this period. Hope you have a plan to support such an activity. Looking forward to reviewing the new document. Still would be willing to come back to discuss.

Sig Gronich

- invention, refinement – we work on both revolutionary and evolutionary technologies

- early deployment – we support some activities beyond first commercial demonstration

- meaningful technologies – we pursue technologies that could have a material impact when deployed; accordingly, scale, economics, and timeliness are important criteria

- enable options – we do not pick commercial winners and losers; the markets make those choices

- scaling by the private sector – we support commercialization as an essential part of what we do

- toward national energy goals – we cannot and will not pursue all technologies; only those that enhance energy and national security, reduce environmental impacts, and increase U.S. competitiveness

5) What are principles and best practices in performing large-scale demonstration projects?

a) How close to commercial viability does a demonstration have to be? What are the optimal cost sharing arrangements? How might demonstrations be coordinated with DOE financing activities?

b) How can demonstration projects better benefit all stakeholders beyond the immediate participants? How are lessons-learned best captured and promoted, and how is intellectual property best handled?

c) How should DOE determine whether demonstrations adequately address technical and operation risks?

d) What defines failure or success in the demonstration phase?