Appendix B

Projects Not Reviewed			
	Title	**Name**	**Organization**
MF-3	Advanced Manufacturing Technologies for Renewable Energy Applications - a DOE/NCMS Partnership	Ryan	NCMS
BES-1	Metal-to-Ligand Charge Transfer Excited States on Surfaces and in Rigid Media Application to Energy Conversion	Meyer	University of North Carolina
BES-2	Real-Time Atomistic Simulation of Light Harvesting and Charge Transport for Solar Hydrogen Production	Prezhdo	University of Washington
BES-3	Efficient H_2 Production via Novel Molecular Chromophores and Nanostructures	Nozik	NREL
BES-4	Regulation of H_2 and CO_2 Metabolism: Factors Involved in Partitioning of Photosynthetic Reductant in Green Algae	Ghirardi	NREL
BES-5	Fundamental Studies of Recombinant Hydrogenases	Adams	University of Georgia
BES-6	Catalyst Discovery Using Biomolecule Evolution	Feldheim	North Carolina State University
BES-7	Sunlight-Driven Hydrogen Formation by Membrane-Supported Photoelectrochemical Water Splitting	Lewis	California Institute of Technology
BES-8	Electrochemical Construction of High Performance, Low Cost Polycrystalline Photoelectrodes for Solar Hydrogen Production	Choi	Purdue University
BES-9	A Combinatorial Approach to Realization of Efficient Water Photoelectrolysis	Parkinson	Colorado State University
BES-10	Fundamental Investigations of Water Splitting on Model TiO_2 Photocatalysts Doped for Visible Light Absorption	Henderson	PNNL
BES-11	Catalyzed Water Oxidation by Solar Irradiation of Band-Gap-Narrowed Semiconductors	Fujita	BNL
BES-12	Photoactive Inorganic Membranes for Charge Transport	Dutta	Ohio State University
BES-13	Modular Designed Protein Constructions for Solar Generated H_2 From Water	Dutton	University of Pennsylvania
BES-14	A Hybrid Biological/Organic Half-Cell for Generating Dihydrogen	Golbeck-Bryant	Penn State
BESP-1	Hydrogenases of Methanococcus maripaludis	Leigh	University of Washington
BESP-2	Theoretical Research Program on Bio-Inspired Inorganic Hydrogen Generating Catalysts and Electrodes	Selloni	Princeton University
BESP-3	Identification of Enzymes involved in Syntrophic H_2 production	Krumholz	University of Oklahoma
BESP-4	Production and Engineering of Hydrogenase as a Biocatalyst for Hydrogen Fuel	Wang	University of Hawaii

BESP-5	Electronically Wired Semiconductor Nanoparticles: Toward Vectoral Electron Transport in Hybrid Materials	Armstrong	University of Arizona
BESP-6	Hydrogen Generation Using Integrated Photovoltaic and Photoelectrochemical Cells	Zhang	UC Santa Cruz
BESP-7	Tandem Hybrid Solar Energy System	Barber	Penn State
BESP-8	Photoelectrochemistry of Semiconductor Nanowire Arrays	Mallouk	Penn State
BESP-9	Strained TiO_2 Photoanodes	Guerra	Nanoptek Corporation
BESP-10	Highly Ordered Nanotube Arrays and their Use in Water Photoelectrolysis	Grimes	Penn State
BESP-11	Photoinitiated Electron Collection in Mixed-Metal Supramolecular Complexes: Development of Photocatalysts for Hydrogen Production	Brewer	Virginia Tech
STP-1	DOE Chemical Hydrogen Storage Center of Excellence Overview	Ott	LANL
STP-2	Chemical Hydrogen Storage R&D at Los Alamos National Laboratory	Baker	LANL
STP-3	PNNL Research as part of the Chemical Hydrogen CoE	Aardahl	PNNL
STP-6	Chemical Hydride Slurry for Hydrogen Production and Storage	McClaine	Safe Hydrogen, LLC
STP-7	Neutron Characterization and Calphad in support of the Metal Hydride Center of Excellence	Udovic	NIST
STP-9	Overview of the DOE Hydrogen Sorption Center of Excellence	Simpson	NREL
STP-10	NREL Research as Part of the Hydrogen Sorption Center of Excellence	Heben	NREL
STP-13	Metal Hydride Center of Excellence Overview, Repeat of talk on poster	Klebanoff	Sandia-Livermore
STP-14	Sandia work for MHCoE: expanded poster no review	Klebanoff	Sandia-Livermore
STP-22	Lightweight Intermetallics for Hydrogen Storage	Zhao	OSU
STP-23	Discovery of Novel Complex Metal Hydrides for Hydrogen Storage through Molecular Modeling and Combinatorial Methods	Lewis	UOP
STP-25	Hydrogen Storage by Reversible Hydrogenation of Liquid-phase Hydrogen Carriers	Cooper	Air Products
STP-30	H_2 Tank Manufacturing Optimization	Liu	Quantum
STP-31	Hydrogen Storage Research	Stefanakos	U of South Florida
STP-33	Advanced Concepts for Containment of Hydrogen and Hydrogen Storage Materials	Weisberg	LLNL
SAP-3	IEA Hydrogen Task 18: Evaluation of Integrated Demonstration Systems	Schoenung	Longitude 122 West
PD-6	Hydrogen Generation from Biomass-Derived Carbohydrates via Aqueous-Phase Reforming Process	Rozmiarek	Virent Energy Sys.
PD-9	High-Performance, Durable, Palladium-Alloy Membrane for Hydrogen Separation & Purification	Hopkins	Pall Corp.

APPENDIX B: PROJECTS NOT REVIEWED

PDP-1	Hydrogen Centrifugal Compression	Heshmat	MITI (SBIR)
PDP-5	PEM Electrolyzer Incorporating an Advanced Low-Cost Membrane	Hamdan	Giner Electrochemical Systems
PDP-6	High-Capacity, High Pressure Electrolysis System with Renewable Power Sources	Shimko	Avalence LLC
PDP-8	Inexpensive Delivery of Cold Hydrogen in High Performance Glass Fiber Composite Pressure Vessels	Aceves	LLNL
PDP-17	Integrated Short Contact Time Hydrogen Generator (SCPO)	Liu	GE Global Res.
PDP-20	Pipeline Working Group Support and Off-Board Hydrogen Storage Development	Klug	Concurrent Tech. Corp
PDP-24	Production of Hydrogen For Clean and Renewable Sources of Energy for Fuel Cell Vehicles	Deng	U. of Toledo
PDP-28	Hydrogen Compression	Hesmat	MiTi
TVP-3	Hawaii Hydrogen Center for Development and Deployment of Distributed Energy Systems	Rocheleau	Hawaii Natural Energy Inst.
TVP-4	Detroit Commuter Hydrogen Project	Palombo	SEMCOG
FCP-6	Cost and Performance Enhancements for a PEM Fuel Cell Turbocompressor	Gee	Honeywell
FCP-7	Fuel Cell Testing at the Argonne Fuel Cell Test Facility	Bloom	ANL
FCP-10	Turbocompressor	Gee	Honeywell
FCP-11	Fuel Cell Testing at the Argonne Fuel Cell Test Facility	Bloom	ANL
FCP-14	Complex Coolant Fluid for PEM Fuel Cell Systems	Mohapatra	Advanced Fluids Tech.
FCP-15	Novel Non-Precious Metals for PEMFC: Catalysts Selection through Molecular Modeling and Durability Studies	Popov	University of South Carolina
FCP-16	MEA & Stack Durability for PEM Fuel Cells	Yandrasits	3M