

DOE NEWS

U.S. DEPARTMENT OF ENERGY • OFFICE OF PUBLIC AFFAIRS • WASHINGTON, DC 20585

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FOR IMMEDIATE RELEASE
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Hydrogen Research Projects Selected for \$75 Million in DOE Awards

Team Lead	Additional Team Members	Total DOE Amount*
Solar Electrochemical Water Splitting (Photoelectrochemical)		
<ul style="list-style-type: none"> GE Global Research (Niskayuna, NY) 	<ul style="list-style-type: none"> Caltech 	\$3,000,042
<ul style="list-style-type: none"> University of California-Santa Barbara (Santa Barbara, CA) 	<ul style="list-style-type: none"> National Renewable Energy Laboratory (NREL), GE Global Research 	\$894,000
<ul style="list-style-type: none"> MVSystems Inc. (Golden, CO) 	<ul style="list-style-type: none"> University of Hawaii , Intematix Corporation, Southwest Research Institute, Duquesne University, NREL, University of California-Santa Barbara 	\$3,271,630
<ul style="list-style-type: none"> Midwest Optoelectronics (Toledo, OH) 	<ul style="list-style-type: none"> University of Toledo, NREL, United Solar Ovonic Corporation 	\$2,921,501
Solar Thermochemical Water Splitting		
<ul style="list-style-type: none"> University of Colorado (Boulder, CO) 	<ul style="list-style-type: none"> ETH-Swiss Federal Institute of Technology 	\$1,200,000
<ul style="list-style-type: none"> Stirling Energy Systems, Inc. (Phoenix, AZ) 	<ul style="list-style-type: none"> University of Alabama in Huntsville, Weizmann Institute of Technology, Concentrating Technologies, LLC, University of Massachusetts-Boston 	\$803,438
<ul style="list-style-type: none"> Science Applications International 	<ul style="list-style-type: none"> Florida Solar Energy Center, Universidad del Turabo, 	\$3,999,805

Corporation (San Diego, CA)	University of Central Florida	
Solar Biological (Microorganisms)		
• University of California – Berkeley (Berkeley, CA)	• None	\$1,200,000
• Advanced BioNutrition Corporation (Columbia, MD)	• Brooklyn College of the City University of New York, Clemson University, Savannah River Technology Center, SeaAg, Inc., University of Hawaii	\$4,278,198
• Montana State University (Bozeman, MT)	• Pleotint, LLC	\$1,193,003
• Institute Biological Energy Alternatives (Rockville, MD)	• NREL	\$2,880,000
Small Scale Natural Gas/Bio-derived Liquid Reformers		
• GE Global Research (Niskayuna, NY and Irvine, CA)	• University of Minnesota, Argonne National Laboratory (ANL)	\$2,225,079
• H2Gen Innovations, Inc. (Alexandria, VA)	• Sud-Chemie, Inc., Naval Research Lab	\$3,502,965
• Ohio State University Research Foundation (Columbus, OH)	• None	\$1,145,624
• The BOC Group, Inc. (Murray Hill, NJ)	• Membrane Reactor Technologies Ltd., HERA USA Inc.	\$2,476,801
Electrolyzers		
• SRI International (Menlo Park, CA)	• Institute of High-Temperature Electrochemistry, SRI Consulting Business Intelligence	\$1,827,984
• GE Global Research (Niskayuna, NY)	• Northwestern University, Functional Coating Technology, LLC.	\$2,853,285
• Ceramatec, Inc. (Salt Lake City, UT)	• Idaho National Engineering and Environmental Laboratory, Hoeganaes Corporation, University of Washington	\$1,915,535

<ul style="list-style-type: none"> Arizona State University (Tempe, AZ) 	<ul style="list-style-type: none"> None 	\$1,200,000
<ul style="list-style-type: none"> Teledyne Energy Systems (Hunt Valley, MD) 	<ul style="list-style-type: none"> Sandia National Laboratory 	\$1,486,747
Biomass and Hydrocarbon Gas Separation Technologies		
<ul style="list-style-type: none"> Gas Technology Institute (Des Plaines, IL) 	<ul style="list-style-type: none"> NETL, University of Cincinnati, Wah Chang, Schott North America 	\$2,690,474
<ul style="list-style-type: none"> Virent Energy Systems, LLC (Madison, WI) 	<ul style="list-style-type: none"> University of Wisconsin-Madison, Archer Daniels Midland Company, UOP LLC 	\$1,942,739
<ul style="list-style-type: none"> University of Cincinnati (Cincinnati, OH) 	<ul style="list-style-type: none"> The Ohio State University, New Mexico Institute of Technology 	\$1,999,727
<ul style="list-style-type: none"> United Technologies Research Center (East Hartford, CT) 	<ul style="list-style-type: none"> University of North Dakota 	\$1,046,690
<ul style="list-style-type: none"> Media & Process Technology, Inc. (Pittsburgh, PA) 	<ul style="list-style-type: none"> Johnson Matthey Catalyst, ChevronTexaco, University of Southern California 	\$2,592,349
<ul style="list-style-type: none"> REB Research & Consulting (Ferndale, MI) 	<ul style="list-style-type: none"> Los Alamos National Laboratory, Iowa State University, NETL, Johnson Matthey, Inc.* (Westchester, PA) 	\$2,360,531
<ul style="list-style-type: none"> Pall Corporation (East Hills, NY and Cortland, NY) 	<ul style="list-style-type: none"> ChevronTexaco, Colorado School of Mines, Oak Ridge National Laboratory (ORNL) 	\$2,385,400
Delivery Technologies		
<ul style="list-style-type: none"> University of Illinois (Urbana, IL) 	<ul style="list-style-type: none"> ORNL, University of Missouri-Rolla, Sandia National Laboratory 	\$300,000
<ul style="list-style-type: none"> Air Product & Chemicals, Inc. (Allentown, PA) 	<ul style="list-style-type: none"> United Technologies Research, Pennsylvania State University 	\$4,661,968
<ul style="list-style-type: none"> Nexant, Inc. (San Francisco, CA) 	<ul style="list-style-type: none"> Air Liquide, ChevronTexaco, NREL, Gas Technology Institute, Pinnacle West, TIAX LLC 	\$1,500,239

<ul style="list-style-type: none"> • Secat, Inc. (Lexington, KY) 	<ul style="list-style-type: none"> • ORNL, American Society of Mechanical Engineers International, University of Illinois, Applied Thin Films, Inc, Columbia Gas, Chemical Composite Coatings International, LLC, Advanced Technology Corporation, Oregon Steel Mills/Napa Pipe Company, Schott North America – Regional R&D 	\$1,650,000
<ul style="list-style-type: none"> • New Concepts Research Corporation (Dallas, TX) 	<ul style="list-style-type: none"> • Prometheus Energy Inc., H2 Storage Solutions, Inc., CCC Group Inc., Chemithon Constructors LLC, University of Victoria, Department of Mechanical Engineering 	\$2,300,000
<ul style="list-style-type: none"> • Gas Equipment Engineering Corporation (Milford, CT) 	<ul style="list-style-type: none"> • R&D Dynamics Corporation 	\$2,000,000
Analysis		
<ul style="list-style-type: none"> • RCF Economic and Financial Consulting (Chicago, IL) 	<ul style="list-style-type: none"> • ANL, Air Products & Chemicals, Inc., British Petroleum, World Resources Institute, University of Michigan, Ford Motor Company 	\$3,616,634
<ul style="list-style-type: none"> • Energy & Environmental Analysis, Inc. (Arlington, VA) 	<ul style="list-style-type: none"> • Brookhaven National Laboratory, Power and Energy Analytic Resources, Inc. 	\$1,300,479
<ul style="list-style-type: none"> • Directed Technologies, Inc. (Arlington, VA) 	<ul style="list-style-type: none"> • Sentech, Inc., H2Gen Innovations, ChevronTexaco, Teledyne Energy Systems, Inc., University of Virginia 	\$750,000

* Final amount subject to negotiation.