

## Program Evaluation: EERE Completed Evaluations

This document provides a list of completed evaluation reports for the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE). The evaluation reports are organized by EERE office, and three categories of program evaluation – In-Progress Peer Reviews, Other Process Evaluations, and Outcome and Impact Evaluations.

Many of the listed reports are available as downloads. Completed EERE evaluation reports available as downloads can be found using the publications search tool on the EERE Program Evaluation Website, at <https://www.energy.gov/eere/analysis/eere-evaluation-publications>. There you can search for publications by EERE office, by type of evaluation, and by year.

### TECHNOLOGY DEVELOPMENT OFFICES

#### Advanced Manufacturing Office (formerly Industrial Technologies Program)

##### Peer Reviews

- REMADE Institute peer review, May 24-25, 2022 (virtual)
- National Alliance for Water Innovation (NAWI) Hub peer review, June 15-16, 2022
- Critical Materials Institute, June 15-16, 2022
- Cybersecurity Manufacturing Innovation Institute (CyManII) peer review, June 23-24, 2022
- Clean Energy Smart Manufacturing Innovation Institute (CESMII) peer review, August 2-4, 2022
- Manufacturing Demonstration Facility (MDF) Peer Review, 5/25-27/2021 - Virtual
- Clean Energy Smart Manufacturing Innovation Institute (CESMII) Peer Review 7/20-22/2021 - Virtual
- REMADE Peer Review, 5/24-26/2021- Virtual
- Critical Materials Institute (CMI) Peer Review, 6/14-15/2021 - Virtual
- The Rapid Advancement in Process Intensification Deployment Institute (RAPID) Peer Review, September 28 – October 2, 2020
- Power America Peer Review, July 29 and August 2-6, 2020
- Manufacturing Demonstration Facility (MDF) Peer Review, July 22-24, 2020
- Clean Energy Smart Manufacturing Innovation Institute (CESMII) Peer Review, July 14-16, 2020
- REMADE Peer Review, June 24/25, 2020
- Institute for Advanced Composites Manufacturing Innovation (IACMI) Peer Review, 2020
- Critical Materials Institute Peer Review, June 9, 2020
- 2020 Advanced Manufacturing Office Peer Review, Virtual Meeting, June 2-3, 2020
- DOE Advanced Manufacturing Office 2019 Peer Review Report, December 2019

- Critical Materials Institute Peer Review, 2019
- Manufacturing Demonstration Facility (MDF) Peer Review, 2019
- Power America Peer Review, 2019
- Institute for Advanced Composites Manufacturing Innovation (IACMI) Peer Review, 2019
- The Rapid Advancement in Process Intensification Deployment Institute (RAPID) Peer Review, 2019
- Clean Energy Smart Manufacturing Innovation Institute (CESMII) Peer Review, 2019
- REMADE Peer Review, 2019
- Reducing Embodied-Energy and Decreasing Emissions in Materials Manufacturing Institute Peer Review, August 28-29, 2018
- Institute for Advanced Composite Manufacturing Innovation Peer Review, August 15-16, 2018
- 2018 Advanced Manufacturing Office Program Peer Review, July 17-19, 2018
- Rapid Advancement in Process Intensification Deployment Institute Peer Review, July 11-12, 2018
- Power America Institute Peer Review, June 12-13, 2018
- Critical Materials Institute Peer Review, May 15-16, 2018
- Manufacturing Demonstration Facility Peer Review, April 5-6, 2018
- Advanced Manufacturing Office (AMO) Peer Review, June 13-14, 2017
- Critical Materials Institute Peer Review, July 18-19, 2017
- Power America Peer Review, May 9-10, 2017
- Institute for Advanced Composites Manufacturing Innovation (IACMI) Peer Review, Aug 15-16, 2017
- Manufacturing Demonstration Facility (MDF) Peer Review, April 12-13, 2017
- 2016 AMO Peer Review Final Report, June 14-15, 2016
- AMO Peer Review, May 28-29, 2015
- Energy Intensive Processes (EIP) Workshop, September 1-2, 2009
- Chemicals Portfolio Review, AIChE Spring Meeting, April 2007
- Sensor & Automation Portfolio Review on June 13, 2007
- Sensors & Automation Portfolio Review at Sensors Expo, Rosemont, IL, June 2006
- Forest Products peer, April 4-6, 2006
- ITP Corporate Peer Review, Sept 6-8, 2006
- Chemicals Portfolio Review, AIChE Spring Meeting, April 2006
- Sensor & Automation Portfolio Review, June 13, 2007
- Sensors & Automation Portfolio Review at Sensors Expo, Rosemont, IL June 5-6, 2006
- Forest Products Peer Review, April 5-6, 2006
- Mining Portfolio Review at Society of Mining Engineers, March 2, 2005
- Metal Casting Portfolio Review, April 1, 2005
- Chemicals Portfolio Review at AIChE Spring Meeting, April 11, 2005
- Summary Report on the FY2005 Materials Portfolio Review, June 2005
- Sensors and Automation Portfolio Review, June 6, 2005
- Steel Portfolio Review, September 2005
- Glass Portfolio Review, September 2005
- Aluminum Portfolio Review, October 1, 2005

- Forest Products Portfolio Review, October 5, 2005
- Industrial Energy Systems Portfolio Review, December 1, 2005
- Decreasing Energy Intensity in Manufacturing: Assessing the Strategies and Future Directions of the Industrial Technologies Program, 2005
- Metal Casting Portfolio Review, October 2004
- Chemicals Portfolio Review at AIChE Spring Meeting, March 2004
- Materials Portfolio Review, June 2004
- Sensors and Automation Portfolio Review at Sensors Expo at McCormack Place, June 2004
- Steel Portfolio Review, September 2004
- Glass Portfolio Review, June 2004
- Aluminum Portfolio Review, October 2004
- Summary of FY2004 Forest Products Portfolio Review, May 2004
- Combustion and Supporting Industries Portfolio Review, September 2004
- Industrial Energy Systems Portfolio Review, 2004

#### Other Process Evaluations

- Customer Response to BESTPRACTICES Training and Software Tools Provided by DOE's Industrial Technologies Program, Martin Schweitzer, Michaela A. Martin, Richard L. Schmoyer, Report Number ORNL/CON-502, March 2008

#### Outcome and Impact Evaluations

- Saving Energy, Building Skills: Industrial Assessment Centers Impact, SRI International, June 2022
- The Influence of Additive Manufacturing Patents Funded by the U.S. Department of Energy's Advanced Manufacturing Office and other DOE Offices, 2021
- Saving Energy, Building Skills: Industrial Assessment Center Impact, by SRI International, March 2015
- Impacts: Industrial Technologies Program. Summary of Program Results for CY 2010, PNNL, March 2013
- Impacts: Industrial Technologies Program. Summary of Program Results for CY 2009, PNNL, October 2011
- Impacts: Industrial Technologies Program. Summary of Program Results for CY 2008, PNNL, August 2010
- Results from the U.S. DOE 2010 Save Energy Now Assessment Initiative, July 2010
- Impacts: Industrial Technologies Program. Summary of Program Results for CY 2007, PNNL, December 2009
- Results from the U.S. DOE 2007 Save Energy Now Assessment Initiative, full report, April 2009
- Results from the U.S. DOE 2007 Save Energy Now Assessment Initiative, summary report, April 2009
- Impacts: Industrial Technologies Program. Summary of Program Results for CY 2006, PNNL, September 2008

- Results from the U.S. DOE 2009 Save Energy Now Assessment Initiative, September 2007, full report
- Impacts: Industrial Technologies Program, Summary of Program Results for CY 2005, PNNL, February 2007
- Impacts: Industrial Technologies Program: Summary of Program Results for CY 2004, PNNL, February 2006
- 2005 Best Practices Program Evaluation, 2006
- 2004 Best Practices Program Evaluation, 2005
- Technology Commercialization Impact Study, 2005
- Energy Management Pathfinding: Ten Manufacturing Case Studies of Corporate Energy Management, 2005
- Technology Commercialization Impact Study, 2004
- Evaluation of the Compressed Air Challenge® Training Program, Xenergy Inc., 2004
- Corporate Energy Management Practices in Industry for the U.S. DOE's Industrial Technologies Program, 2004
- Estimation of Energy Savings Resulting from the Best Practices Program, FY2002, Lorena F. Truett, Michaela A. Martin, and Bruce E. Tonn, ORNL/TM-2003/227, 2003
- Technology Commercialization Impact Study, 2003
- Study of Energy Savings Generated by Clients of the Industrial Assessment Center Program, 2002
- Leveraging Benefits Attributable to Centers within the Industrial Assessment Center Program, Michaela Martin, Bruce Tonn, and Susan Schexnayder, ORNL/TM-2002/32, February 2002
- Technology Commercialization Impact Study, 2002
- Steam System Opportunity Assessment for the Pulp and Paper, Chemical Manufacturing, and Petroleum Refining Industries (main report), October 2002
- Steam System Opportunity Assessment for the Pulp and Paper, Chemical Manufacturing, and Petroleum Refining Industries (appendices), October 2002
- Technology Commercialization Impact Study, 2001
- Energy Research at DOE: Was It Worth It?, NAS, 2001
- Assessment of the Market for Compressed Air Efficiency Services, XENERGY Inc., June 2001
- Industrial Assessment Center Program Impact Evaluation, M. Martin, ORNL, ORNL/CON-473, January 2000

## **Bioenergy Technologies Office**

### Peer Reviews

- 2021 Bioenergy Technologies Office Peer Review, March 2021 (Virtual)
- 2019 Project Peer Review Report , March 4–7, 2019
- 2017 Bioenergy Technologies Office Project Peer Review, March 6-9, 2017
- 2017 Bioenergy Technologies Office Program Management Review, July 13, 2017
- 2015 BETO Peer Review: Review Panel Summary Report and Project Results, March 2016
- 2015 BETO Project Review, March 23-27, 2015
- BETO's 2015 Program Management Review was held on June 25, 2015

- 2013 Bioenergy Technologies Office Peer Review Report: Review Panel Summary Report and Project Results, February 2014
- 2011 Biomass Program Peer Review, June 27-28, 2011
- 2011 Algae R&D Activities Review, April 7–8, 2011
- 2011 Feedstocks Platform Peer Review, April 6-8, 2011
- 2011 Sustainability Platform Review Report, April 5, 2011
- 2011 Analysis Platform Review Report, April 4, 2011
- 2011 Thermochemical Conversion Platform Review Report, February 16–18, 2011
- 2011 Biochemical Conversion Platform Review Report, February 14–16, 2011
- 2011 Infrastructure Platform Review Report, February 3, 2011
- 2011 Integrated Biorefinery Platform Peer Review, February 1–3, 2011
- 2009 Biomass Program Peer Review, July 14-15, 2009
- 2009 Thermochemical Conversion Platform Peer Review, April 14-17, 2009
- 2009 Biochemical Conversion Platform Peer Review, April 14-16, 2009
- 2009 Feedstocks Platform Peer Review, April 8-10, 2009
- 2009 Infrastructure Platform Peer Review, February 19, 2009
- Integrated Biorefinery Platform Peer Review, February 18–19, 2009
- 2009 Analysis Peer Review, February 18, 2009
- Biomass Program's Peer Review, 2007 (Full Report)
- Biomass Program's Peer Review, 2007 (Summary Report)
- Feedstock Platform Portfolio and Design Report Review, August 21 -23, 2007
- Integrated Biorefinery (IBR) Platform Peer Review, August 13 -15, 2007
- Biochemical and Products Platform Peer Review, August 7-9, 2007
- Biomass Peer Review Thermochemical Conversion Platform Summary of Results, 2007
- Thermochemical Portfolio Alignment and Peer Review, July 10-11, 2007
- Biodiesel and Other Technologies Portfolio Peer Review, August 15 -16, 2007
- Program Review, November 15-16, 2007
- Biomass Program Peer Review Feedstock Platform, June 2006
- Biomass Program Review, November 14-15, 2005

#### Other Process Evaluations

- None

#### Outcome and Impact Evaluations

- The Influence of Bioenergy Conversion Patents Funded by the U.S. Department of Energy's Bioenergy Technologies Office and other DOE Offices, 2021
- The Influence of Algae Patents Funded by the U.S. Department of Energy's Bioenergy Technologies Office and other DOE Offices, 2021
- The Influence of Feedstock Patents Funded by the U.S. Department of Energy's Bioenergy Technologies Office and other DOE Offices, 2021

#### **Building Technologies Office**

##### Peer Reviews

- 2021 Building Technologies Office Peer Review, August 23-27, 2021
- 2019 Building Technologies Office Peer Review Report , April 15-April 18, 2019
- 2018 Building Technologies Office (BTO) Peer Review, April 30-May 3, 2018
- 2018 BTO Peer Review Report – Appendix
- 2017 Building Technologies Office Peer Review, March 13-16, 2017
- 2016 BTO Peer Review, April 4-7, 2016
- 2015 BTO Program Peer Review, April 14-16, 2015
- BTO 2014 Program Peer Review, April 22-24, 2014
- 2013 DOE Building Technologies Office Program Review
- 2011 Solid State Lighting Peer Review, January 2011
- 2010 Solid State Lighting Peer Review, July 2010
- 2010 Peer Review: the cool roof research and the cool roof roadmap, Envelope and Window Program
- 2009 Solid State Lighting Peer Review, July 2009
- Peer Review Solid-State Lighting, July 2008
- Reflective Hydride EC Peer Review, May/June 2008
- Building Codes Program Review, April 2008
- Peer Review of all first-year Solid-State Lighting research and development projects, June 2007
- Energy Conservation Standards Rulemaking Peer Review Report, Prepared Pursuant to the Office of Management and Budget's "Final Information Quality Bulletin for Peer Review," DOE, February 2007
- Energy Conservation Standards Rulemaking Peer Review Report – Supporting Documentation, March 2007
- Water Heating Peer Review, February 9, 2006
- Commercial Integration (Controls) Peer Review, March 27-30, 2006
- Commercial Integration (Diagnostics & Commissioning) Peer Review, March 27-30, 2006
- Commercial Integration (High Performance Buildings) Peer Review, March 27-30, 2006
- Analysis Tools Peer Review, April 2006
- Space Conditioning (IAQ) Peer Review, February 15, 2006
- Space Conditioning (Systems) Peer Review, February 6-8, 2006
- Conventional Lighting Peer Review, January 25-27, 2005
- Ventilation and Indoor Air Quality Peer Review, February 22-23, 2005
- Building Codes Peer Review, May 4, 2005
- Appliance & Emerging Technologies Peer Review, October 25-27, 2005
- Windows Peer Review, May 17-19, 2005
- Building America Peer Review, June 13-15, 2005
- Solid-State Lighting Peer Review, November 1-4, 2005
- Appliance Standards Peer Review, June 28, 2005
- Appliances, Emerging Technology & Energy Star Peer Review, October 25-27, 2005
- Space Conditioning (Thermotunnelling) Peer Review, September 9, 2005
- Space Conditioning (Components) Peer Review, November 16, 2005
- Space Conditioning (Desiccants & Dehumidification) Peer Review, November 29-30, 2005
- Space Conditioning (Diagnostics & Commissioning) Peer Review, December 6, 2005
- Thermal Distribution Peer Review, September 28-29, 2005

- Oil Heat Peer Review, September 27, 2005
- Building Envelope (Lab) Peer Review, December 16-17, 2003
- An Assessment of Research Projects in the Building Technologies Program: 18 Panels Reviewing 114 R&D Projects; Office of Energy Research, 2000

#### Other Process Evaluations

- Drivers of Success in the Better Buildings Neighborhood Program – Statistical Process Evaluation (Final Evaluation Volume 3), Research Into Action Inc., June 2015
- Process Evaluation of the Better Buildings Neighborhood Program (Final Evaluation Volume 4), Research Into Action Inc., June 2015
- Spotlight on Key Program Strategies from the Better Buildings Neighborhood Program (Final Evaluation Volume 6), Research Into Action Inc., June 2015
- Preliminary Process and Market Evaluation: Better Buildings Neighborhood Program, prepared by Research Into Action and NMR Group Inc., December 2012
- Preliminary Process and Market Evaluation: Better Buildings Neighborhood Program: Report Appendices, prepared by Research Into Action and NMR Group Inc., December 2012
- Process evaluation of the Home Performance with ENERGY STAR Program, 2012, ORNL
- Building America Program Evaluation, Harvard University, Volume 1, 2004
- Building America Program Evaluation, Harvard University, Volume 2, 2004
- Compact Fluorescent Lighting in America: Lessons Learned on the Way to Market, PNNL, Report No. PNNL-15730, May 2006

#### Outcome and Impact Evaluations

- Solar Decathlon® Impact Evaluation, Final Publication, Opinion Dynamics, April 2023
- Race to Zero Impact Evaluation, Final Publication, Opinion Dynamics, April 2023
- Evaluation of Building Energy Modeling Technology Research and Development Activities for Building Technologies Office, prepared by Corner Alliance, 2022
- The Influence of Solid-State Lighting Patents Funded by the U.S. Department of Energy's Building Technologies Office and other DOE Offices, 2021
- The Influence of HVAC, Water Heating, and Appliance Patents Funded by the U.S. Department of Energy's Building Technologies Office and other DOE Offices, 2021
- Evaluation of Home Energy Score Deployment: New Jersey Natural Gas & Wisconsin Focus on Energy Final Report, prepared by The E2e Project, September 2018
- Evaluation of Building America and Selected Building Energy Codes Program Activities, prepared by prepared by Industrial Economics, Incorporated, February 2018
- Benefit-Cost Evaluation of U.S. Department of Energy Investment in HVAC, Water Heating, and Appliance Technologies, prepared by Gallaher, Michael, T. Scott, Z. Oliver, K. Clark-Sutton, B. Anderson of RTI International, with contribution from R. Ruegg (TIA Consultants), September 2017
- Evaluation of the Better Buildings Neighborhood Program (Final Synthesis Report, Volume 1), Research Into Action, Inc. Evergreen Economics Nexant, Inc. NMR Group, Inc., June 2015

- Savings and Economic Impacts of the Better Buildings Neighborhood Program (Final Evaluation Volume 2), Research Into Action Inc. Evergreen Economics Nexant, Inc.



- NMR Group, Inc., June 2015
- Market Effects of the Better Buildings Neighborhood Program (Final Evaluation Volume 5), Research Into Action Inc. and NMR Group, Inc., June 2015
  - Preliminary Energy Savings Impact Evaluation: Better Buildings Neighborhood Program, Final report. Research Into Action Inc., November 2013
  - Solid State Light Market Effects Evaluation, CADMUS, September 2013
  - National Awareness of ENERGY STAR® for 2010: Analysis of CEE Household Survey. U.S. EPA, 2011 (EPA sponsored survey analysis of CEE Household Survey)
  - National Awareness of ENERGY STAR for 2009: Analysis of CEE Household Survey. U.S. EPA, 2010 (EPA sponsored survey analysis of CEE Household Survey)
  - Realized and Projected Impacts of U.S. Energy Efficiency Standards for Residential and Commercial Appliances; Meyers, Steve, McMahon, James, Atkinson, Barbara; LBNL-63017, 2008
  - National Awareness of ENERGY STAR for 2008: Analysis of 2008 CEE Household Survey. U.S. EPA, 2009 (EPA sponsored survey analysis of CEE Household Survey)
  - National Awareness of ENERGY STAR for 2007: Analysis of 2007 CEE Household Survey. U.S. EPA, 2008 (EPA sponsored survey analysis of CEE Household Survey)
  - National Awareness of ENERGY STAR for 2006: Analysis of Household Survey, Goldberg, Miriam, Valy Goepfrich, Jocelyn Spielman, and Kendra Johnson, 2006 (EPA sponsored survey analysis of CEE Household Survey)
  - Advanced Sensors and Controls for Building Applications: Market Assessment and Potential R&D Pathways, April 2005, Report No. PNNL-15149
  - Realized and Prospective Impacts of U.S. Energy Efficiency Standards for Residential Appliances: 2004 Update, Meyers, Stephen, James McMahon, and Michael McNeil, LBNL-56417, 2005
  - Assessing Consumer Values & Supply Chain Relationships for Solid-State Lighting Technologies, ORNL, 2004
  - 2005 ENERGY STAR Household Survey, Goldberg, Miriam, Valy Goepfrich, and Jocelyn Spielman, 2004 (EPA sponsored survey analysis of CEE Household Survey)
  - Efficiency of Appliance Models on the Market Before and After DOE Standards, Stephen Meyers, LBNL, 2004
  - The Structure and Operation of the Commercial Building Market, Innovologie LLC, March 2004
  - 2004 ENERGY STAR Household Survey, Goldberg, Miriam, Valy Goepfrich, and Jocelyn Spielman, 2003 (EPA-sponsored survey analysis of CEE Household Survey)
  - An Examination of Rebuild America Partnership Accomplishments and the Factors Influencing Them, ORNL, 2003
  - 2003 ENERGY STAR Household Survey, Goldberg, Miriam, Valy Goepfrich, and Jocelyn Spielman, 2002 (EPA-sponsored survey analysis of CEE Household Survey)
  - U.S. Lighting Market Characterization, Volume 1: National Lighting Inventory and Energy Consumption Estimate, Navigant Consulting Inc., September 2002
  - 2002 ENERGY STAR Household Survey, Goldberg, Miriam, Valy Goepfrich, and Jocelyn Spielman, 2001 (EPA-sponsored survey analysis of CEE Household Survey)
  - 2001 ENERGY STAR Household Survey, Goldberg, Miriam, Valy Goepfrich, and Jocelyn Spielman, 2000 (EPA-sponsored survey analysis)
  - Energy Research at DOE: Was It Worth It?, NAS, 2001

## **Federal Energy Management Program (FEMP)**

### Peer Reviews

- Peer Review of the Federal Energy Management Program (FEMP) Energy-Efficient Product Procurement (EPPP) Portfolio. Washington D.C., Dec. 4, 2012
- FEMP Peer Review, September 20-21, 2005

### Other Process Evaluations

- 2001 FEMP Customer Survey Report (Summary Report)
- 2001 FEMP Customer Survey Report (Main Report)
- 2001 FEMP Customer Survey Report (Appendices)

### Outcome and Impact Evaluations

- Utilities Energy Service Contract (UESC) Program Activity Analysis - Phase 2 - Impact Assessment, Report Number ORNL/CON-494, ORNL, 2006
- Performance Contracts Offer Benefits, but Vigilance Is Needed to Protect Government Interests, GAO-05-340, July 2005
- Public and Institutional Markets for ESCO Services: Comparing Programs, Practices and Performance, Report No. LBNL-55002, May 2005
- Review of U.S. ESCO Industry Market Trends: An Empirical Analysis of Project Data, Charles Goldman, Nicole Hopper, Julie Osborn, LBNL, Report no. LBNL-52320, January 2005
- Capital Financing: Partnerships and Energy Savings Performance Contracts Raise Budgeting and Monitoring Concerns, Report No. GAO-05-55, December 2004
- The Federal Market for ESCO Services: How Does it Measure Up?, Report No. LBNL-54952, August 2004
- Assessing U.S. ESCO Industry: Results from the NAESCO Database Project, Julie Osborn, Chuck Goldman and Nicole Hopper – LBNL, Terry Singer – NAESCO, LBNL Report No. LBNL-50304, August 2002
- Market Trends in the U.S. ESCO Industry: Results from the NAESCO Database Project, Charles A. Goldman, Julie G. Osborn, and Nicole C. Hopper, LBNL Terry E. Singer, NAESCO, LBNL Report No. LBNL-49601, May 2002
- Department of Energy's Super Energy Savings Performance Contracts, Audit Report, DOE IG Audit Report No. 0499, April 2001
- Historical Performance of the U.S. ESCO Industry: Results from the NAESCO Project Database, C.A. Goldman, P. Juergens, M. Fowlie, J. Osborn & K. Kawamoto, LBNL, Terry Singer, NAESCO, LBNL Report No. LBNL-46070, August 2000

## **Hydrogen and Fuel Cell Technologies Office**

### Peer Reviews

- 2022 Hydrogen Program Merit Review and Peer Evaluation Meeting (AMR), June 6–8 (virtual)

- 2021 Hydrogen Program Merit Review and Peer Evaluation Meeting (AMR), June 7–11 (virtual)
- 2019 Annual Merit Review and Peer Evaluation Report, April 29–May 1, 2019
- 2018 Hydrogen and Fuel Cells Program Annual Merit Review and Peer Evaluation, June 13–15, 2018
- 2017 Hydrogen and Fuel Cells Program Annual Merit Review and Peer Evaluation, June 5-9, 2017
- 2016 Annual Merit Review and Peer Evaluation Report, June 6-10, 2016, Washington, D.C.
- 2015 Annual Merit Review and Peer Evaluation, June 8-12, 2015, Arlington, Virginia
- 2014 Annual Merit Review and Peer Evaluation Report, June 16-20, 2014, Washington, D.C.
- 2013 Annual Merit Review and Peer Evaluation Report, May 13-17, 2013, Arlington, Virginia
- 2012 Annual Merit Review and Peer Evaluation Report, May 14-18, 2012, Arlington, Virginia
- 2011 Annual Merit Review and Peer Evaluation, May 2011
- 2010 Annual Merit Review and Peer Evaluation, June 7–11, 2010
- 2009 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting on May 18–22, 2009
- 2008 Hydrogen Program Annual Merit Review and Peer Evaluation, June 9-13, 2008
- NAS Review: Review of the Research Program of the FreedomCAR and Fuel Partnership: Second Report, NRC, 2008
- Hydrogen Fuel Initiative: DOE Has Made Important Progress and Involved Stakeholders but Needs to Update What It Expects to Achieve by Its 2015 Target, GAO-08-305, January 11, 2008
- 2007 DOE Hydrogen Program Annual Merit Review and Peer Evaluation, May 15-18, 2007
- 2006 Hydrogen Program Review, May 16-19, 2006
- 2005 DOE Hydrogen Program Review, May 23-26, 2005
- NAS Review: Review of the Research Program of the FreedomCAR and Fuel Partnership: First Report, NRC, 2005
- NAS Review: The Hydrogen Economy: Opportunities, Costs, Barriers, and R&D Needs, NRC, 2004
- 2004 Annual Program Review, May 24-27, 2004
- 2003 Annual Merit Review and Peer Evaluation Report, May 19-22, 2003
- Renewable Power Pathways: A Review of The U.S. Department of Energy's Renewable Energy Programs, National Academy of Sciences, 2000

#### Other Process Evaluations

- None

#### Outcome and Impact Evaluations

- The Influence of Fuel Cell, Hydrogen Production, and Hydrogen Storage Patents Funded by the U.S. Department of Energy's Hydrogen and Fuel Cell Technologies

- Office and Other DOE Offices, 2021
- 2015 Update to “Early Stage Market Change and Effects of the Recovery Act Fuel Cell Program,” April 2015
- Early-Stage Market Change and Effects of the Recovery Act Fuel Cell Program, EnerSys Innovation, LLC, January 2014
- 2011 Pathways to Commercial Success: Technologies and Products Supported by the Hydrogen, Fuel Cell and Infrastructure Technologies Program, PNNL, September 2011
- Results of the 2008/2009 Knowledge and Opinions Surveys Conducted for the U.S. Department of Energy Hydrogen Program, ORNL, Report No. ORNL/TM2009/242, April 2010
- Pathways to Commercial Success: Technologies and Products Supported by the Hydrogen, Fuel Cell and Infrastructure Technologies Program, PNNL, August 2010
- Identification and Characterization of Near-Term Direct Hydrogen Proton Exchange Membrane Fuel Cell Markets, Battelle Memorial Institute, April 2007
- Results of the 2004 Knowledge and Opinions Surveys for the Baseline Knowledge Assessment of the Hydrogen, Fuel Cell, and Infrastructure Technologies Program, R. L. Schmoyer and Tykey Truett (ORNL), Christy Cooper (DOE), ORNL/TM-2006/417, April 2006
- Economic Analysis of Stationary PEM Fuel Cells, Battelle, 2005
- The Fuel Cell Vehicle Survey 2003, Breakthrough Technologies Institute, February 2004
- Renewable Power Pathways: A Review of The U.S. Department of Energy's Renewable Energy Programs, National Academy of Sciences, 2000

## **Geothermal Technologies Office**

### Peer Reviews

- 2022 Geothermal Technologies Office (GTO) Peer Review, May 2022
- 2017 Geothermal Technologies Office (GTO) Peer Review, November 13-15, 2017
- 2015 GTO Peer Review Report
- 2015 GTO Peer Review Report Appendices
- 2013 Geothermal Technologies Office Peer Review, April 22-25, 2013
- 2013 Geothermal Technologies Office Peer Review Report
- 2012 Geothermal Technologies Office Peer Review, May 7-10, 2012
- 2011 Geothermal Technologies Program Peer Review Program, June 6-10, 2011
- 2010 Geothermal Technologies Program Peer Review, May 2010
- Enhanced Geothermal Systems Peer Review, July 18 and 19, 2006
- Enhanced Geothermal Systems Peer Review, April 7-8, 2005
- Drilling and Energy Conversion, June 6-8, 2005
- Exploration and GRED, July 26-28, 2005
- GeoPowering the West Peer Review, August 2004
- Renewable Power Pathways: A Review of the U.S. Department of Energy's Renewable Energy Programs (NAS, 2000)

### Other Process Evaluations

- None

## Outcome and Impact Evaluations

- The Influence of Geothermal Patents Funded by the U.S. Department of Energy's Geothermal Energy Technologies Office and other DOE Offices
- Linkages from DOE's Geothermal R&D to Commercial Power generation, by Rosalie Ruegg and Patrick Thomas, February 2011
- Retrospective Benefit-Cost Analysis of U.S. DOE's Geothermal Technologies R&D Program Investments, by Gallaher, M., A. Rogozhin and J. Petrusa. August 2010

## Solar Energy Technologies Office

### Peer Reviews

- 2022 Solar Energy Technologies Office Peer Review, January 31 – February 3, 2022 (Virtual)
- 2020 Solar Energy Technologies Office Peer Review, April 6-8, 2020 (Virtual)
- 2018 Solar Energy Technologies Office Portfolio Review, February 12-14, 2018
- 2016 GEARED Program Review, October 2016
- 2014 SunShot Initiative Peer Review, May 2014
- 2011 Solar Program Peer Review
- 2010 Solar Program Peer Review Report: An Independent Evaluation of Program Activities for FY2009 and FY2010, May 2010
- Solar Energy Technologies Program Peer Review, 2009, March 2009
- Solar Energy Technologies Program Review Meeting and Peer Review, April 16-19, 2007
- Solar Program Peer Review, Denver, November 7-10, 2005
- Solar Heating & Hybrid Lighting Peer Review, 2004
- Photovoltaics and Solar Thermal Peer Review, March 17-18, 2004

## Outcome and Impact Evaluations

- Encouraging voluntary government action via a solar-friendly designation program to promote solar energy in the United States, prepared by Xue Gao (University of Miami) and Casey Canfield (Missouri University of Science and Technology), March 2022
- Location-dependent Public-private Interaction in Catalyzing Solar Technology Commercialization, Emanuele Francesco Pecora, and Jonathan P. Trinastic, March 2022
- The Influence of Concentrating Solar Power Patents Funded by the U.S. Department of Energy's Solar Energy Technologies Office and other DOE Offices, 2021
- The Influence of Solar Photovoltaics Patents Funded by the U.S. Department of Energy's Solar Energy Technologies Office and other DOE Offices, 2021
- Impact Evaluation of the U.S. Department of Energy's Solar Decathlon Program, prepared by Lockheed Martin, December 2012
- Linkages from DOE's Solar Photovoltaic R&D to Commercial Renewable Power Generation from Solar Energy, by Rosalie Ruegg and Patrick Thomas, April 2011

- Retrospective Benefit-Cost Evaluation of DOE Investments in Photovoltaic Energy Systems, by O'Connor, A., R. Loomis, and F. Braun, 2010
- Renewable Power Pathways: A Review of the U.S. Department of Energy's Renewable Energy Programs (NAS, 2000)

## Vehicle Technologies Office

### Peer Reviews

- 2022 Vehicle Technologies Office Annual Merit Review (virtual meeting), June 21-23
- 2021 Vehicle Technologies Office Annual Merit Review (virtual meeting), June 21-25 (Virtual)
- 2020 Vehicle Technologies Office Annual Merit Review (virtual meeting), June 1-4, 2020
- 2019 Vehicle Technologies Office Annual Merit Review, June 10-13, 2019
- 2018 Vehicle Technologies Office Annual Merit Review and Peer Evaluation, June 18-21, 2018
- 2017 Vehicle Technologies Office Annual Merit Review and Peer Evaluation, June 5-9, 2017
- 2016 Annual VTO Peer Evaluation
- 2015 DOE Vehicle Technologies Office Annual Merit Review
- 2014 DOE Vehicle Technologies Office Annual Merit Review
- 2013 DOE Vehicle Technologies Office Annual Merit Review
- 2012 DOE Vehicle Technologies Office Annual Merit Review Report
- 2011 Vehicle Technologies Program Annual Merit Review and Peer Evaluation Report, May 2011
- 2010 Vehicle Technologies Program Annual Merit Review and Peer Evaluation Report, June 7-11, 2010
- 2009 Vehicle Technologies Program Annual Merit Review and Peer Evaluation Report, May 18-22, 2009
- 2008 Vehicle Technologies Program Merit Review, February 25-28, 2008
- Review of the 21st Century Truck Partnership, NRC, 2008
- Review of the Research Program of the FreedomCAR and Fuel Partnership: Second Report, NRC, 2008
- Semi-Mega Merit Review (Combustion, Fuels, Emissions Control, Health Impacts, Waste Heat Recovery/Thermoelectrics, and Deployment Activities), June 18-19, 2007
- Advanced Combustion Engine R&D and Fuels Technology Merit Review, 2006
- Power Electronics and Electrical Machines Review, August 2006
- Exploratory Technology Research and the Advanced Technology Development Peer Reviews, June 6-8, 2006
- Heavy Vehicle Systems Optimization Peer Review, April 18-20, 2006
- Heavy Vehicle Materials Program Merit Review and Peer Evaluation, September 13-15, 2005
- Fuels Technology Merit Review & Peer Evaluation Report, March 2005
- Advanced Combustion Engine R&D Merit Review and Peer Evaluation, April 19-21, 2005

- Power Electronics and Electric Machines Merit Review, May 2005
- Energy Storage – Summary of the FY 2005 Batteries for Advanced Transportation Technologies (BATT) Research Program Annual Review, May 31–June 2, 2005
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