

Preliminary Literature Search on Key PHEV Studies (from DOE Grid Impacts Technical Review Workshop, March 14, 2007)

Name of Report	Authors	Website	Publication date
The Potential GHG and Energy Security Implications of Plug-In Hybrid Vehicles: A Scenario Analysis	EPA –Simon Mui, Dan Chartier, Michael Shelby	Not available until Spring 2007 www.epa.gov/otaq/	TBD (Spring 2007)
Effects of Plug-In Hybrid Electric Vehicles in California Energy Markets	UC Berkeley - Derek Lemoine Daniel M. Kammen Alexander E. Farrell	http://pubsindex.trb.org/document/view/default.asp?lbid=802759	January 2007
Impacts Assessment of Plug-In Hybrid Vehicles on Electric Utilities and Regional U.S. Power Grids Part 1: Technical Analysis	PNNL - Michael Kintner-Meyer, Kevin Schneider, and Robert Pratt	http://www.pnl.gov/energy/eed/etd/pdfs/phev_feasibility_analysis_combined.pdf	January 2007
Energy Consumption and CO ₂ Emissions of Plug-In Hybrid Electric Vehicles	EPRI	www.epri.com	January 2007
Plug-In Hybrid Vehicle Analysis	NREL - T. Markel, A. Brooker, J. Gonder, M. O'Keefe, A. Simpson, and M. Thornton	http://www.nrel.gov/vehiclesandfuels/vsa/pdfs/40609.pdf	November 2006
Impact of Plug-in Hybrid Vehicles on the Electric Grid	ORNL - Stanton Hadley	http://apps.ornl.gov/~pts/prod/pubs/ldoc3198_plug_in_paper_final.pdf	October 2006
Electricity Generation Costs and Emissions Associated with Plug-In Hybrid Electric Vehicle Charging in the Xcel Colorado Service Territory	NREL - Keith Parks, Paul Denholm, and Tony Markel	http://ei.colorado.edu/events/fall_2006_symposium/parks_poster.pdf	October 2006
Plug-In Hybrids: an Environmental and Economic Performance Outlook	ACEEE - James Kliesch and Therese Langer	http://aceee.org/pubs/t061.htm	September 2006
Summary Report Discussion Meeting on Plug-In Hybrid Electric Vehicles	DOE	http://www1.eere.energy.gov/vehiclesandfuels/pdfs/program/plug-in_summary_rpt.pdf	May 2006
A Preliminary Assessment of Plug-In Hybrid Electric Vehicles on Wind Energy Markets	NREL - Walter Short and Paul Denholm	http://www.nrel.gov/docs/fy06osti/39729.pdf	April 2006
Overview of Methodologies for Determination of Fuel-Cycle Emissions for Plug-In Hybrid Electric Vehicles	EPRI	www.epri.com	February 2006
Vehicle-to-grid power fundamentals: Calculating capacity and net revenue	University of Delaware - Willett Kempton and Jasna Tomic	http://www.udel.edu/V2G/KempTom-V2G-Fundamentals05.PDF	December 2004

Vehicle-to-grid power implementation: From stabilizing the grid to supporting large-scale renewable energy	University of Delaware - Willett Kempton and Jasna Tomic´	http://www.udel.edu/V2G/KempTom-V2G-Implementation05.PDF	December 2004
Development and Evaluation of a Plug-in HEV with Vehicle-to-Grid Power Flow	AC Propulsion, Inc. - Thomas B. Gage	http://www.arb.ca.gov/research/apr/past/icat01-2.pdf	December 2003
Advanced Batteries for Electric-Drive Vehicles A Technology and Cost-Effectiveness Assessment for Battery Electric, Power Assist Hybrid Electric, and Plug-in Hybrid Electric Vehicles	EPRI - Mark Duvall	http://www.epri.com/corporate/discover_epri/news/downloads/EPRI_AdvBatEV.pdf	March 2003
Vehicle-to-Grid Demonstration Project: Grid Regulation Ancillary Service with a Battery Electric Vehicle	AC Propulsion, Inc. - Alec N. Brooks	http://www.acpropulsion.com/reports/V2G%20Final%20Report%20R5.pdf	December 2002