

Appendix E — Acronyms

AEI	Advanced Energy Initiative
APU	Auxiliary Power Unit
BOP	Balance of Plant
CAFPCP	California Fuel Cell Partnership
CCM	Catalyst Coated Membrane
CDO ¹	Code Development Organization
CHP	Combined Heat and Power
CRADA	Cooperative Research and Development Agreement
DMFC	Direct Methanol Fuel Cell
DOE	U. S. Department of Energy
DOT	U. S. Department of Transportation
EERE	DOE Office of Energy Efficiency and Renewable Energy
EIA	Energy Information Administration
ESG	Executive Steering Group
EPACT	Energy Policy Act
EWD	Energy and Water Development
FCV	Fuel Cell Vehicles
FCVT	FreedomCAR & Vehicle Technologies (Program)
FE	DOE Office of Fossil Energy
FPITT	Fuel Pathway Integration Technical Team
GDE	Gas Diffusion Electrode
GDL	Gas Diffusion Layer
GGE	Gallon of Gasoline Equivalent
GHG	Green House Gases
GPRA	Government Performance and Results Act
GTR	Global Technical Regulations
HFCIT	Hydrogen, Fuel Cells & Infrastructure Technologies (Program)
HFI	Hydrogen Fuel Initiative
HHV	Higher Heating Value
HTAC	Hydrogen Technical Advisory Committee
H2A	Hydrogen Analysis Tool (computer model)
HyARC	Hydrogen Analysis Resource Center
HyTEC	Hydrogen Technology and Energy Curriculum
HIPOC	Hydrogen Industry Panel on Codes
ICC ¹	International Code Council
ICE	Internal Combustion Engine
IEA	International Energy Agency
IRES	Integrated Renewable Energy Station
ISO ¹	International Organization for Standardization
IPHE	International Partnership for a Hydrogen Economy

¹ Many other standards-writing organizations are defined in Table 3.7.1

Appendix E — Acronyms

ITER	International Thermonuclear Experimental Reactor
LHV	Lower Heating Value
LPG	Liquefied Propane Gas
MCFC	Molten Carbonate Fuel Cell
MEA	Membrane Electrode Assembly
MSM	Macro-System Model
MYPP	Multi-Year Program Plan = Multi-Year Research, Development and Demonstration Plan
NAE	National Academy of Engineering
NAS	National Academy of Sciences
NE	DOE Office of Nuclear Energy
NEMS	National Energy Modeling System
NETL	National Energy Technology Laboratory
NFPA	National Fire Protection Association
NHA	National Hydrogen Association
NRC	National Research Council
NREL	National Renewable Energy Laboratory
OBD	On Board Diagnostics
OMB	Office of Management and Budget
OSTP	White House Office of Science and Technology Policy
PAE	Planning, Analysis and Evaluation
PART	OMB Program Assessment Rating Tool
PBA	(Office of) Planning, Budget & Analysis
PEM	Polymer Electrolyte Membrane
PEMFC	Polymer Electrolyte Membrane Fuel Cell
PM	Program Manager
PMC	Project Management Center
PMOP	Program Management and Operations Plan
RD&D	Research, Development and Demonstration
RFP	Request for Proposal
SAP	Systems Analysis Plan
SDO ¹	Standards Development Organizations
SBIR	Small Business Innovative Research
SIP	Systems Integration Plan
SC	DOE Office of Science
SOFC	Solid Oxide Fuel Cell
SOW	Statement of Work
TAG	U.S. Technical Advisory Groups
TBD	To Be Determined
TDM	Technology Development Manager
USCAR	U.S. Council for Automotive Research (a formal R&D partnership among Ford, Daimler-Chrysler and General Motors)
VSATT	Vehicle Systems Analysis Technical Team
WBS	Work Breakdown Structure