

## List of Abbreviations

---

AMO – Advanced Manufacturing Office  
ANL – Argonne National Laboratory  
ANSI – American National Standards Institute  
API – American Petroleum Institute  
ARPA-E – Advanced Research Projects Agency-Energy  
ARRA – American Recovery and Reinvestment Act  
ASTM – American Society for Testing and Materials  
BCAP – Biomass Crop Assistance Program  
BIWG – Biofuels Interagency Working Group  
BSM – Biomass Scenario Model  
CO<sub>2</sub> – carbon dioxide  
CPS – Corporate Planning System  
DOE – U.S. Department of Energy  
DOD – U.S. Department of Defense  
DOI – U.S. Department of the Interior  
DOT – U.S. Department of Transportation  
DT – dry tons  
EERE – Office of Energy Efficiency and Renewable Energy  
EIA – Energy Information Administration  
EISA – Energy Independence and Security Act of 2007  
EPA – U.S. Environmental Protection Agency  
EPAct – Energy Policy Act of 2005  
EU – European Union  
EV – electric vehicle  
FAA – Federal Aviation Administration  
Farm Bill – The Food, Conservation, and Energy Act of 2008  
FCT – Fuel Cell Technologies Program  
FE – Office of Fossil Energy  
FEMP – Federal Energy Management Program  
FFVs – flexible-fuel vehicles  
GBEP – Global Bioenergy Partnership  
GGE – gallon gasoline equivalent  
GHG – greenhouse gas  
GIS – Geographical Information Systems  
GPRA – Government Performance and Results Act  
GREET – Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation  
IBR – Integrated Biorefinery  
IBSAL – Integrated Biomass Supply Analysis and Logistics  
Infrastructure – Biofuels Distribution Infrastructure and End Use  
INL – Idaho National Laboratory  
ISO – International Organization for Standardization  
KDF – Knowledge Discovery Framework  
LGP – DOE Loan Guarantee Programs  
LUC – land-use change  
MARKAL – Market Allocation  
MSW – Municipal Solid Waste

MTBE – methyl tertiary butyl ether  
MYPP – Multi-Year Program Plan  
NAABB – National Alliance for Advanced Biofuels and Bioproducts  
NASA – National Aeronautics and Space Administration  
NEMS – National Energy Modeling System  
NIFA – USDA’s National Institute on Food and Agriculture  
NIST – National Institute of Standards and Technology  
NREL – National Renewable Energy Laboratory  
NSF – National Science Foundation  
ORNL – Oak Ridge National Laboratory  
PBA – EERE Office of Planning, Budget, and Analysis  
PMC – Project Management Center  
PMP – project management plan  
PNNL – Pacific Northwest National Laboratory  
the Program – Biomass Program  
R&D – research and development  
RD&D – research, development, and deployment  
RDD&D – research, development, demonstration, and deployment  
RFS – Renewable Fuels Standard  
RLP – Resource Loaded Plan  
RPS – Renewable Portfolio Standard  
RSB – Roundtable on Sustainable Biofuels  
SC – Office of Science  
SOT – State of Technology  
SUV – sport utility vehicle  
SWAT – Soil and Water Analysis Tool  
TRLs – technology readiness levels  
UL – Underwriters Laboratory  
UN FAO – Food and Agriculture Organization of the United Nations  
USDA – United States Department of Agriculture  
VTP – Vehicle Technologies Program  
WBS – work breakdown structure  
wt% – weight percent