NOTATION

The following is a list of acronyms and abbreviations (including units of measure) used in this document. Some acronyms used only in tables may be defined only in those tables.

GENERAL ACRONYMS AND ABBREVIATIONS

AWEA American Wind Energy Association
BLM Bureau of Land Management
CRADA Cooperative Research and Development Agreement
DOE U.S. Department of Energy
DWIA Danish Wind Industry Manufacturers Association
EERE Office of Energy Efficiency and Renewable Energy
EIA Energy Information Administration
ELCC effective load-carrying capability
EPA U.S. Environmental Protection Agency
EPRI Electric Power Research Institute
ESRI Environmental Systems Research Institute, Inc.
GE General Electric
GIS geographic information system
HAWT horizontal axis wind turbine
IEC International Electrotechnical Commission
MPDS maximum potential development scenario
NERC North American Electric Reliability Council
NREL National Renewable Energy Laboratory
NWCC National Wind Coordinating Committee
O&M operation and maintenance
PEIS programmatic environmental impact statement
PERI Princeton Energy Resources International
PTC Production Tax Credit
**NOTATION (Cont.)**

- **R&D**  research and development
- **ROI**  return on investment
- **ROW**  right-of-way
- **RPS**  renewable portfolio standard
- **RSA**  rotor-swept area

**SCADA**  supervisory control and data acquisition

**TIO**  technology improvement opportunity
**TVA**  Tennessee Valley Authority

**USGS**  U.S. Geological Survey

**VAWT**  vertical axis wind turbine

**WECC**  Western Electricity Coordinating Council
**WindPACT**  Wind Partnerships for Advanced Component Technologies
**WinDS**  Wind Deployment System

**UNITS OF MEASURE**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Unit(s)</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>°C</td>
<td>degree(s) Celsius</td>
<td>lb</td>
</tr>
<tr>
<td>°F</td>
<td>degree(s) Fahrenheit</td>
<td>m</td>
</tr>
<tr>
<td>ft</td>
<td>foot (feet)</td>
<td>m²</td>
</tr>
<tr>
<td>ft²</td>
<td>square foot (feet)</td>
<td>m³</td>
</tr>
<tr>
<td>mi²</td>
<td>square mile(s)</td>
<td>GW</td>
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<tr>
<td>h</td>
<td>hour(s)</td>
<td>mph</td>
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<tr>
<td>ha</td>
<td>hectare(s)</td>
<td>MW</td>
</tr>
<tr>
<td>Hz</td>
<td>hertz</td>
<td>rpm</td>
</tr>
<tr>
<td>kg</td>
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</tr>
<tr>
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<td>kilometer(s)</td>
<td>W</td>
</tr>
<tr>
<td>km²</td>
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<td>kW</td>
</tr>
<tr>
<td>kV</td>
<td>kilovolt(s)</td>
<td>kWh</td>
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