U.S. Department of Energy: Record of Non-Government Standards Activity - Bulk Submission

Version 2.5 Status: OK

| Submitter Last Name:   | Beckley   |
|------------------------|---|
| Submitter Title:       | Associate Lab Director - Facilities<br>& Operations |
| Wise Telephone Number. | 202-275-4199  |

Submitter First Name: Daniel Organization Number of the PARTICIPANTS: Submitter Email Address: Daniel.B

National Renewable Energy Lab

Date (mm/dd/yyyy) of Report: 11/10/2020

Do Not Complete the Cells Below If You Answered T\* for Termination of Membership in the Type of Submittal Column

|          |        |   |   | ,  |   |  | Complete One Column                                 |  |  | ,   | ,  |   | Representation   | e of Submittal Colu  |  |
|----------|--------|---|---|--|---|--|---|--|--|---|--|---|--|--|--|
|          |        | Type of Submittal: " for Initial Submittal.   |   |  |   | employment Status (                              | Complete One Column<br>Each Row)                    |  |  |   | Name and/or  |   | Column only f  | or Each Row)   |  |
| Line No. | Status | 'R' for Revision of<br>Information<br>Previously Submitted,<br>or<br>'T' for Termination of<br>Membership | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | DOE  Enter 'D' if Participant is Employed by DOE | Other  Specify the Employment Status of Participant | Name of Non-<br>Government<br>Standards Body<br>(NGSB)         | Country of Non<br>Government<br>Standards Body<br>(NGSB) | Name of Main<br>Committee   | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) | Voting Status: "V" for Voting or "NV" for Nonvoting | DOE  Enter 'D' if You are Formally Designated as an Official DOE | Other  Specify the Type of Representation Below                | ID/Title of Standards Relevant to<br>DOE Mission   |
| 1        | ok     | 1   | Garrison  | Heath  | heath.garrison@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 70E<br>Technical<br>Committee  | Technical Committee  | ٧   | Representative   | Voting member,<br>technical expert.                            | NFPA 70E, Electrical Safety in the<br>Workplace  |
| 2        | ok     | ı   | Garrison  | Heath  | heath.garrison@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 79<br>Technical<br>Committee   | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | NFPA 79, Electrical Standard for<br>Industrial Machinery   |
| 3        | ok     | I   | Taylor  | Kiley  | kiley.taylor@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 70B<br>Technical<br>Committee  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | NFPA 70B, Recommended Practice for<br>Electrical Equipment Maintenance   |
| 4        | ok     | I I   | Foland  | Charles  | chris.foland@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 70B<br>Technical<br>Committee  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | NFPA 70B, Recommended Practice for<br>Electrical Equipment Maintenance   |
| 5        | ok     | I   | Snow  | Timothy  | timothy.snow@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 791<br>Technical<br>Committee  | Technical Committee  | v   |  | Voting member,<br>user.  | NFPA 791 Recommended Practice<br>and Procedures for Unlabeled Electrical<br>Equipment Evaluation   |
| 6        | ok     | ı   | Snow  | Timothy  | timothy.snow@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 70E<br>CESCP<br>Certification<br>Advisory Group  | Committee  | V   |  | Voting member<br>technical expert                              | Certified Electrical Compliance<br>Professional  |
| 7        | ok     | ı   | Snow  | Timothy  | timothy.snow@nrel.gov   |  | Full Time   | ASTM<br>International  | USA  | E06.51 on<br>Performance of<br>Buildings  | ASTM-E6.51   | ٧   |  | Voting member<br>technical expert                              | Performance of Buildings   |
| 8        | ok     | ı   | Snow  | Timothy  | timothy.snow@nrel.gov   |  | Full Time   | ASTM<br>International  | USA  | E06.22 on<br>Durability<br>Performance of<br>Bulding<br>Constructions   | ASTM-E6.22   | ٧   |  | Voting member<br>technical expert                              | Durability of Building Constructions   |
| 9        | ok     | 1   | Snow  | Timothy  | timothy.snow@nrel.gov   |  | Full Time   | ASTM<br>International  | USA  | F18 on Electrical<br>Protective<br>Equipment for<br>Workers   | ASTM-F18   | ٧   |  | Voting Member  | Electrial Protective Equipment for<br>Workers  |
| 10       | ok     | ı   | Taylor  | Kiley  | kiley.taylor@nrel.gov   |  | Full Time   | International<br>Electrical Testing<br>Association             | USA  | ANSI/NETA<br>Acceptance<br>Testing Standard<br>(ATS)  | ANSI/NETA<br>Acceptance Testing<br>Standard (ATS)<br>Ballot Pool                           | ٧   |  | Voting Member  | ANSI/NETA Acceptance Testing<br>Standard (ATS)   |
| 11       | ok     | 1   | Press   | Rick   | rick.press@nrel.gov   |  | Full Time   | American Society<br>for Quality                                | USA  | TAF 176   | Technical Committee  | V   |  | Voting member,<br>technical expert.                            | ISO 9001   |
| 12       | ok     | ı   | Tuchi   | Craig  | Craig.tuchi@nrel.gov  |  | Full Time   | ASME   | USA  | Thermal Energy<br>Storage<br>Standards  | Committee  | NV  |  | Nonvoting Technical<br>Expert                                  | ASME TES-1-2020: TES-1 Safety<br>Standard for Thermal Energy Storage<br>Systems:<br>Molten Salt  |
| 13       | ok     | 1   | McNutt  | Peter  | peter.mcnutt@nrel.gov   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 855<br>Technical<br>Committee  | Technical Committee  | NV  |  | non-voting member  | NFPA 855 Standard for the Installation<br>of Stationary Energy Storage Systems   |
| 14       | ok     | ı   | Kirschbaum  | Asher  | Asher.Kirschbaum@nrel   |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 855<br>Technical<br>Committee  | Technical Committee  | NV  |  | non-voting member  | NFPA 855 Standard for the Installation<br>of Stationary Energy Storage Systems   |
| 15       | ok     | ı   | Day   | Mike   | michael.day@nrel.gov  |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 855<br>Technical<br>Committee  | Technical Committee  | NV  |  | non-voting member  | NFPA 855 Standard for the Installation<br>of Stationary Energy Storage Systems   |
| 16       | ok     | ı   | Lackey  | Denise   | denise.lackey@nrel.gov  |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 855<br>Technical<br>Committee  | Technical Committee  | NV  |  | non-voting member  | NFPA 855 Standard for the Installation<br>of Stationary Energy Storage Systems   |
| 17       | ok     | ı   | Mather  | Barry  | barry.mather@nrel.gov   |  | Full Time   | IEEE   | USA  | IEEE Energy<br>Development and<br>Power Generation  | Working Group  | ٧   |  | Voting member,<br>technical expert.                            | IEEE P2800 Wind and Solar Plant<br>Interconnection Performance   |
| 18       | ok     | I   | Kroposki  | Benjamin   | benjamin.kroposki@nrel<br>  |  | Full Time   | IEEE   | USA  | SCC21   | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | IEEE - 1547. IEEE 1547.1, IEEE<br>1547.2, IEEE 1547.3, IEEE 1547.4,<br>IEEE 2030, IEEE 2030.2, IEEE 2030.7,<br>IEEE 2030.8   |
| 19       | ok     | I .   | Lundstrom   | Blake  | blake.lundstrom@nrel.g<br>ov  |  | Full Time   | IEEE   | USA  | IEEE P2004<br>Working Group   | IEEE P2004   | V   |  | Secretary, voting<br>member, technical<br>expert.              | (HIL) Simulation Based Testing of<br>Electric Power Apparatus and Controls   |
| 20       | ok     | 1   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | IEEE   | USA  | Standards<br>Coordinating<br>Committee 21   | Coordinating<br>Committee  | v   |  | Voting member,<br>technical expert.                            | IEEE 1547, IEEE 1547.1   |
| 21       | ok     | I .   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | IEEE   | USA  | IEEE P2800  | Working Group  | V   |  | Voting member,<br>technical expert.                            | IEEE P2800   |
| 22       | ok     | l I   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | IEEE   | USA  | IEEE 1547   | Working Group  | ٧   |  | Voting member,<br>technical expert.                            | IEEE 1547  |
| 23       | ok     | ı   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | IEEE   | USA  | IEEE 1547.1   | Working Group  | ٧   |  | Working Group<br>Chair, Voting<br>member, technical<br>expert. | IEEE 1547.1  |
| 24       | ok     | 1   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | IEEE   | USA  | IEEE P2800.1  | Working Group  | V   |  | Voting member,<br>technical expert.                            | IEEE P2800.1   |
| 25       | ok     | 1   | Hoke  | Anderson   | andy.hoke@nrel.gov  |  | Full Time   | Underwriters<br>Laboratories                                   | USA  | Standards<br>Technical Panel  | UL 1741  | V   |  | Voting member,<br>technical expert.                            | UL 1741  |
| 26       | ok     | ı   | Florita   | Anthony  | anthony.florita@nrel.gov  |  | Full Time   | Society of Cable<br>Telecommunicati<br>ons Engineers<br>(SCTE) | USA  | Operation<br>Subcommittee,<br>Working Group 4,<br>HFC   | Participant  | NV  |  | NREL   | SCTE open standard / complement to<br>IEEE C37.118.1-2011 is in progress   |
| 27       | ok     | I   | Narang  | David  | David.Narang@nrel.gov   |  | Full Time   | IEEE   | USA  | IEEE Standards Coordinating Committee 21 on Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage | IEEE Std 1547  | v   |  | Working Group<br>Chair   | IEEE Standard for Interconnection<br>and Interoperability of Distributed<br>Energy, Resources with Associated<br>Electric Power Systems Interfaces                               |
| 28       | ok     | ı   | Narang  | David  | David.Narang@nrel.gov   |  | Full Time   | IEEE   | USA  | IEEE Energy<br>Development and<br>Power Generation<br>Committee   | IEEE P2800   | ٧   |  | Voting member,<br>technical expert.                            | Draft Standard for Interconnection and<br>Interoperability of Inverter-Based<br>Resources Interconnecting with<br>Associated Transmission Electric<br>Power Systems              |
| 29       | ok     | I .   | Walker  | Andy   | andy.walker@nrel.gov  |  | Full Time   | National Fire<br>Protection<br>Association                     | USA  | NFPA 70B<br>Technical<br>Committee  | Technical Committee  | NV  |  | Contributed Text   | NFPA 70B Recommended Practice for<br>Electrical Equipment Maintenance<br>Chapter 26 Photovoltaic Systems   |
| 30       | ok     | I   | Walker  | Andy   | andy.walker@nrel.gov  |  | Full Time   | International<br>Electrotechnical<br>Commission                | USA  | IEC Technical<br>Committee  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | IEC/TS 63019 Ed. 1.0 en:2019 Photovoltaic Power Systems (PVPS) – Information Model For Availability (TS=Technical Specification). Published and available for purchase from IEC/ |
| 31       | ok     | ı   | Walker  | Andy   | andy.walker@nrel.gov  |  | Full Time   | International<br>Electrotechnical<br>Commission                | USA  | IEC Technical<br>Committee  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | IEC TR 63292:2020 Photovoltaic power<br>systems (PVPSs) - Roadmap for robust<br>reliability (TR=Technical Report) Issued<br>July 2020.   |

| The cells helow             | provide an evolanati  | on of issues in the da  | to entry section                               | The calls below nro                                      | ovide an explanation of iss                               | sues in the data er             | ntry section                    | The cells below     | provide an explanatic   |
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| The cens below              | provide an explanati  | on or issues in the da  | ta entry section                               | Employment Status (Co                                    | mplete One Column only                                    |                                 | in y section                    |                     | data entry section  |
| Time of Suhmitted           | Last Name<br>of Non-Government                                      | First Name<br>of Non-Government                                     | Email Address<br>of Non-Government             | for Eac  | h Row)<br>Other   | Name of Non-<br>Government      | Country of Non-<br>Government   | Name of Main        | Name and/or<br>Number of Activity   |
| Type of Submittal<br>Status | of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | Standards Body<br>(NGSB)<br>Participant Status | Enter 'D' if Participant is<br>Employed by DOE<br>Status | Specify the<br>Employment Status of<br>Participant Status | Standards Body<br>(NGSB) Status | Standards Body<br>(NGSB) Status | Committee<br>Status | (e.g., committee,<br>sub-committee,<br>working group,<br>task group) Status |
| ok                          | ok  | ok  | ok   | ok   | ok  | ok                              | ok                              | ok                  | ok  |
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| Line No. | Status | 'R' for Revision of<br>Information<br>Previously Submitted,<br>or<br>'T' for Termination of<br>Membership | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | DOE Enter 'D' if Participant is Employed by DOE | Other<br>Specify the<br>Employment Status of<br>Participant | Name of Non-<br>Government<br>Standards Body<br>(NGSB) | Country of Non-<br>Government<br>Standards Body<br>(NGSB) | Name of Main<br>Committee   | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group)                         | Voting Status: "V" for Voting or "NV" for Nonvoting | DOE  Enter 'D' if You are Formally Designated as an Official DOE | Other Specify the Type of Representation Below | ID/Title of Standards Relevant to<br>DOE Mission  |
|----------|--------|---|---|--|---|---|---|--|---|---|--|---|--|--|---|
| 32       | ok     | I   | Walker  | Andy   | andy.walker@nrel.gov  |   | Full Time   | International<br>Electrotechnical<br>Commission        | USA   | IEC Technical<br>Committee  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.            | IEC CD 63265:2020 Reliability Practices for the Operation of Photovoltaic Power Systems (CD=Draft for Committee Vote) Draft for committee vote. |
| 33       | ok     | I   | Touhiduzzaman   | Md   | md.touhiduzzaman@nre<br>I.gov   |   | Full Time   | IEEE   | USA   | 1547.3-<br>Cybersecurity of<br>Distributed<br>Energy<br>Resources (DER)         | Technical Committee  | NV  |  | Technical expert                               | Guide for Interoperability and<br>Cybersecurity of Distributed Energy<br>Resources Interfaces with Associated<br>Electric Power Systems         |
| 34       | ok     | 1   | Saleem  | Danish   | danish.saleem@nrel.gov  |   | Full Time   | IEEE   | USA   | IEEE 1547.3   | Working Group  | v   |  | Voting member,<br>technical expert.            | Cybersecurity Guide for Distributed<br>Energy Resources Interconnected with<br>Electric Power Systems   |
| 35       | ok     | I   | Markel  | Tony   | tony.markel@nrel.gov  |   | Full Time   | IEEE   | USA   | IEEE P2418.5  | Working Group  | NV  |  | Technical Expert                               | IEEE P2418.5 Working Group<br>(Blockchain in Energy)  |
| 36       | ok     | I   | Karagiozis  | Achilles   | achilles.karagiozis@nrel<br>.gov  |   | Full Time   | ASHRAE   | USA   | SPC 160 Criteria<br>for Moisture-<br>Control Design<br>Analysis in<br>Buildings | Chair of ASHRAE<br>SPC160  | ٧   |  | Subcommitee Chair                              | Criteria for Moisture-Control Design<br>Analysis in Buildings   |
| 37       | ok     | I   | Karagiozis  | Achilles   | achilles.karagiozis@nrel  |   | Full Time   | ASHRAE   | USA   | Building Materials<br>and Building<br>Envelope<br>Performance                   | ASHRAE TC 4.4  | NV  |  | Committee                                      | N/A   |
| 38       | ok     | I   | Karagiozis  | Achilles   | achilles.karagiozis@nrel<br>.gov  |   | Full Time   | ASHRAE<br>Residential                                  | USA   | Passive Building<br>Design Standard<br>Standards                                | ASHRAE SPC 227P  | V   |  | Committee                                      | Passive Building Standard<br>ANSI/RESNET/ICC Standard 301   |
| 39       | ok     | I   | Roberts   | David  | david.roberts@nrel.gov  |   | Full Time   | Energy Services<br>Network                             | USA   | Development<br>Committee 300<br>Section 4.0 Load                                | Technical Committee  | V   |  | Voting member,<br>technical expert.            | ANSI/RESNET/ACCA Standard 310<br>ANSI/RESNET/ICC Standard 380   |
| 40       | ok     | I   | Fontanini   | Anthony  | anthony.fontanini@nrel.<br>gov<br>anthony.fontanini@nrel.                     |   | Full Time   | ASHRAE   | USA   | Calculations and<br>Energy<br>Requirements<br>Section 1.0                       | TC 4.7 Energy<br>Calculations  | NV  |  | Subcommitee Chair                              | N/A   |
| 41       | ok     | I.  | Fontanini   | Anthony  | anthony.tontanini@nrei.   |   | Full Time   | ASHRAE   | USA   | Fundamentals<br>and General   | TC 1.5 Computer<br>Applications  | NV  |  | Subcommitee Chair                              | N/A   |
| 42       | ok     | I   | Spam  | Bethany  | bethany.sparn@nrel.gov  |   | Full Time   | AHRI   | USA   | 1430 Working<br>Group<br>Section 4.0 Load                                       | N/A<br>TC 4.10 Indoor  | NV  |  | Technical expert                               | AHRI 1430 Standard for Demand<br>Response for Electric Water Heaters  |
| 43       | ok     | 1   | Meleika   | Sam  | sammy.meleika@nrel.go  V sammy.meleika@nrel.go                                |   | Full Time   | ASHRAE   | USA   | Calculations and<br>Energy<br>Requirements<br>Section 5.0                       | Environmental<br>Modeling  | NV  |  | Technical expert                               | N/A   |
| 44       | ok     | I   | Meleika   | Sam  | <u>v</u>  |   | Full Time   | ASHRAE   | USA   | Ventilation and<br>Air Distribtution<br>Section 5.0                             | TC 5.1 Fans  | NV  |  | Technical expert                               | N/A   |
| 45       | ok     | 1   | Meleika   | Sam  | sammy.meleika@nrel.go<br>⊻  |   | Full Time   | ASHRAE   | USA   | Ventilation and<br>Air Distributtion  | TC 5.10 Kitchen<br>Ventilation   | NV  |  | Technical expert                               | N/A   |
| 46       | ok     | I   | Jin   | Xin  | xin.jin@nrel.gov  |   | Full Time   | ASHRAE   | USA   | Section 7.0<br>Building<br>Performance  | TC 7.5 Smart<br>Building Systems   | NV  |  | Technical expert                               | N/A   |
| 47       | ok     | 1   | Jin   | Xin  | xin.jin@nrel.gov  |   | Full Time   | ASHRAE   | USA   | Section 1.0<br>Fundamentals<br>and General                                      | TC1.4 Control Theory<br>& Application  | NV  |  | Technical expert                               | N/A   |
| 48       | ok     | I   | Jin   | Xin  | xin.jin@nrel.gov  |   | Full Time   | IEEE Power &<br>Energy Society                         | USA   | Smart Buildings<br>Data and   | Customer Systems<br>TC   | NV  |  | Technical expert                               | N/A   |
| 49       | ok     | I   | Merket  | Noel   | noel.merket@nrel.gov  |   | Full Time   | Building<br>Performance<br>Institute                   | USA   | Modeling<br>Standard<br>Technical<br>Committee                                  | HPXML Working<br>Group   | V   |  | Voting member,<br>technical expert.            | BPI-2100 Standard for Home<br>Performance-Related Data Transfer   |
| 50       | ok     | I   | Reyna   | Janet  | janet.reyna@nrel.gov  |   | Full Time   | International<br>Energy Agency                         | France  | Energy Buildings<br>and Communities   | Annex 70 Building<br>Energy Epidemiology<br>Annex 82 Energy  | NV  | D  |  | Subtask C: Building Stock Modelling<br>and Analysis   |
| 51       | ok     | ı   | Reyna   | Janet  | janet.reyna@nrel.gov  |   | Full Time   | International<br>Energy Agency                         | France  | Energy Buildings<br>and Communities<br>Section 8.0 Air-                         | Flexible Buildings<br>Towards Resilient<br>Low-Carbon Systems  | NV  | D  |  | Subtask A: Scaling from Single<br>Buildings to Clusters of Buildings  |
| 52       | ok     | ı   | Winkler   | Jon  | jon.winkler@nrel.gov  |   | Full Time   | ASHRAE   | USA   | Conditioning and<br>Refrigeration<br>System<br>Components<br>Section 6.0        | TC 8.11 - Unitary and<br>Room air<br>Conditioners & Heat<br>Pumps  | NV  |  | Technical expert                               | N/A   |
| 53       | ok     | ı   | Winkler   | Jon  | jon.winkler@nrel.gov  |   | Full Time   | ASHRAE   | USA   | Heating Equipment, Heating and Cooling Systems and Applications                 | TC 6.3 – Central<br>Forced Air Heating<br>and Cooling Systems  | NV  |  | Technical expert                               | N/A   |
| 54       | ok     | Ţ   | Winkler   | Jon  | jon.winkler@nrel.gov  |   | Full Time   | Residential<br>Energy Services<br>Network              | USA   | Standards<br>Development<br>Committee 300                                       | HVAC Working<br>Group  | NV  |  | Technical expert                               | ANSI/RESNET/ICC Standard 301<br>ANSI/RESNET/ACCA Standard 310<br>ANSI/RESNET/ICC Standard 380   |
| 55       | ok     | ı   | Deru  | Michael  | michael.deru@nrel.gov   |   | Full Time   | ASHRAE   | USA   | SPC 105   | Technical Committee  | ٧   |  | Voting member,<br>technical expert.            | ASHRAE Std 105 Standard Methods of<br>Determining, Expressing, and<br>Comparing Building Energy<br>Performance and Greenhouse Gas               |
| 56       | ok     | ı   | Dahlhausen  | Matthew  | matthew.dahlhausen@n<br>rel.gov   |   | Full Time   | ASHRAE   | USA   | SPC 229P  | Technical Committee  | v   |  | Voting member,<br>technical expert.            | Emissions ASHRAE Std. 229 (forthcoming), Ruleset Standard for Energy Modeling   |
| 57       | ok     | ı   | Torcellini  | Paul   | paul.torcellini@nrel.gov  |   | Full Time   | ASHRAE   | USA   | SPC 228P  | Technical Committee  | ٧   |  | Voting member,<br>technical expert.            | Compliance ASHRAE Std 228P Standard Method of Evaluating Zero Net Energy and Zero   |
| 58       | ok     | Į.  | Long  | Nicholas   | Nicholas.Long@nrel.gov  |   | Full Time   | ASHRAE   | USA   | Standard 211 -<br>Commercial<br>Building Energy                                 | Standard 211 -<br>Commercial Building<br>Energy Audits   | v   |  | Technical expert                               | Net Carbon Building Performance<br>N/A  |
| 59       | ok     | ı   | Mosiman   | Cory   | Cory.Mosiman@nrel.go<br>⊻   |   | Full Time   | ASHRAE   | USA   | Audits ASHRAE Standard 223P for semantic tagging of                             | ANSI/ASHRAE<br>Standards 135 and<br>135.1  | NV  |  | Technical expert                               | N/A   |
| 60       | ok     | I   | Parker  | Andrew   | Andrew.Parker@nrel.go   |   | Full time   | ASHRAE   | USA   | Modeling<br>Software  | SPC 229 - Protocols<br>for Evaluating<br>Ruleset<br>Implementation in<br>Building Performance<br>Modeling Software | NV  |  | Technical expert                               | N/A   |
| 61       | ok     | 1   | Bianchi   | Marcus   | marcus.bianchi@nrel.go<br>⊻   |   | Full Time   | ASHRAE   | USA   | Technical Committee 4.4 - Building Materials and Building Envelope Performance  | Technical Committee  | NV  |  | Chair, Research<br>Technical<br>Subcommittee   | ASHRAE SSPC 90.1, ASHRAE SSPC 90.2  |
| 62       | ok     | ı   | Bianchi   | Marcus   | marcus.bianchi@nrel.go  |   | Full Time   | ASHRAE   | USA   | Technical<br>Committee 1.8 -<br>Mechanical<br>Systems<br>Insulation             | Technical Committee  | NV  |  | Non-voting member                              | ASHRAE SSPC 90.1, ASHRAE SSPC 90.2  |
| 63       | ok     | I   | Bianchi   | Marcus   | marcus bianchi@nrel.go<br>⊻   |   | Full Time   | ASHRAE   | USA   | Technical<br>Committee 1.12 -   | Technical Committee  | NV  |  | Non-voting member                              | ASHRAE SSPC 90.1, ASHRAE SSPC 90.2  |

| Type of Submittal<br>Status | Last Name of Non-Government Standards Body (NGSB) Participant Status | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | DOE Enter 'D' if Participant is Employed by DOE Status | Other  Specify the Employment Status of Participant Status | Name of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Country of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Name of Main<br>Committee<br>Status | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) Status |
|-----------------------------|--|---|--|--|--|---|--|-------------------------------------|---|
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |

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| Type of Submittal<br>Status | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | DOE Enter 'D' if Participant is Employed by DOE Status | Other<br>Specify the<br>Employment Status of<br>Participant Status | Name of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Country of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Name of Main<br>Committee<br>Status | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) Status |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok<br>ok                    | ok<br>ok   | ok<br>ok  | ok<br>ok   | ok<br>ok   | ok<br>ok   | ok<br>ok  | ok<br>ok   | ok<br>ok                            | ok<br>ok  |
|                             |  |   |  |  |  |   |  |                                     |   |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ak  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
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| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |
| ok                          | ok   | ok  | ok   | ok   | ok   | ok  | ok   | ok                                  | ok  |

| Line No. | Status   | 'R' for Revision of<br>Information<br>Previously Submitted,<br>or<br>'T' for Termination of<br>Membership | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | DOE<br>Enter 'D' if Participant<br>is Employed by DOE | Other<br>Specify the<br>Employment Status of<br>Participant | Name of Non-<br>Government<br>Standards Body<br>(NGSB)      | Country of Non<br>Government<br>Standards Body<br>(NGSB) | Name of Main<br>Committee  | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) | Voting Status: "V" for Voting or "NV" for Nonvoting | DOE  Enter 'D' if You are Formally Designated as an Official DOE | Other Specify the Type of Representation Below         | ID/Title of Standards Relevant to<br>DOE Mission   |
|----------|----------|---|---|--|---|---|---|---|--|--|--|---|--|--|--|
| 64       | ok       | ı   | James   | Nelson   | nelson.james@nrel.gov   |   | Full Time   | ASHRAE  | United States  | American Society<br>of Heating,<br>Refrigerating and<br>Air-Conditioning<br>Engineers  | ASHRAE   | NV  |  | NON-Voting<br>Member                                   | None   |
| 65       | ok       | l l   | Kishore   | Ravi   | ravi.kishore@nrel.gov   |   | Full Time   | American Society<br>of Mechanical<br>Engineers              | USA  | ASME Member 1-<br>2 Years After<br>Graduation  | Member   | NV  |  | none   | none   |
| 66       | ok       | 1   | Woods   | Jason  | jason.woods@nrel.gov  |   | Full Time   | ASHRAE  | USA  | TC 6.9   | Technical Committee  | NV  |  | Non-voting member                                      | ANSI/ASHRAE Standard 150;<br>ANSI/AHRI 900   |
| 67<br>68 | ok<br>ok |   | Woods<br>Woods  | Jason<br>Jason   | jason.woods@nrel.gov<br>jason.woods@nrel.gov                                  |   | Full Time<br>Full Time                                      | ASHRAE<br>ASHRAE  | USA  |  | Technical Committee<br>Technical Committee   |   |  | Non-voting member<br>Non-voting member                 | AHRI 920<br>ASHRAE SPC 204   |
| 69       | ok       | ı   | Booten  | Chuck  | chuck.booten@nreLgov  |   | Full Time   | ASHRAE  | USA  | TC 6.9 Thermal<br>Storage  | Technical Committee  | NV  |  | Voting member,<br>technical expert.                    | ASHRAE Std.94.2: Method of Testing<br>Thermal Storage Devices with<br>Electrical Input and Thermal Output<br>Based on Thermal Performance<br>Std.150: Method of Testing the<br>Performance of Cool Storage Systems |
| 70       | ok       | ı   | Wheeler   | Grant  | Grant.wheeler@nrel.gov  |   | Full Time   | ASHRAE  | USA  | Room air<br>Conditioners &   | Technical Committee  | NV  |  | technical expert.<br>Program lead                      | ASHRAE Standard 37/116   |
| 71       | ok       | ı   | Kozubal   | Eric   | eric.kozubal@nrel.gov   |   | Full Time   | ASHRAE  | USA  | Technical<br>Committee 8.12 /<br>8.10  | Technical Committee  | NV  |  | technical expert                                       | ASHRAE / ANSI Std 139 and 174  |
| 72       | ok       | - 1   | Haile   | Selam  | selam.haile@nrel.gov  |   | Full Time   | ASHRAE  | USA  | ASHRAE 223P  | Semantic<br>Interoperability<br>Working Group  | NV  |  | Technical expert                                       | ASHRAE Standard 223P   |
| 73       | ok       | - 1   | Saha  | Avijit   | avijit.saha@nrel.gov  |   | Full Time   | ASHRAE  | USA  | ASHRAE 223P  | Semantic<br>Interoperability<br>Working Group  | NV  |  | Technical expert                                       | ASHRAE Standard 223P   |
| 74       | ok       | ı   | Barker  | Aaron  | aaron.barker@nrel.gov   |   | Full Time   | International<br>Electrotechnical<br>Comission              | Switzerland  | TC 114 - Marine<br>energy - Wave,<br>tidal and other<br>water current<br>converters  | Technical committee  | v   |  | Voting member,<br>convener, technical<br>expert.       | IEC TC114 62600-101 Wave energy<br>resource assessment and<br>characterization   |
| 75       | ok       | ı   | Jonkman   | Jason  | jason.jonkman@nrel.gov  |   | Full Time   | American<br>National<br>Standards<br>Institute              | USA  | AWEA Wind<br>Technical<br>Standards<br>Committee<br>(WSC)<br>TC 88 - Wind  | Wind Technical<br>Standards<br>Committee   | NV  |  | Technical expert                                       | AWEA Offshore Compliance<br>Recommended Paractices (OCRP)<br>IEC 61400-3-2 - Wind energy   |
| 76       | ok       | 1   | Jonkman   | Jason  | jason.jonkman@nrel.gov  |   | Full Time   | International<br>Electrotechnical<br>Comission              | Switzerland  | energy<br>generation<br>systems  | Technical committee  | v   |  | Voting member,<br>technical expert.                    | generation systems - Part 3-2: Design<br>requirements for floating offshore wind<br>turbines   |
| 77       | ok       | ı   | Keller  | Jon  | Jonathan Keller@nrel.go   |   | Full Time   | International<br>Electrotechnical                           | Switzerland  | TC 88 - Wind<br>energy<br>generation   | Technical committee  | ٧   |  | Voting member,<br>technical expert.                    | IEC 61400-4 ED2 - Wind energy<br>generation systems - Part 4: Design<br>requirements for wind turbine  |
| 78       | ok       | ı   | Keller  | Jon  | Jonathan.Keller@nrel.go<br>⊻  |   | Full Time   | International Electrotechnical Comission - Renewable Energy | Switzerland  | systems IEC Systemfor Certification to Standards relating to Equipment for use in Renewable Energy applications (IECRE System) | Technical committee  | V   |  | Voting member,<br>technical expert.                    | oearboxes  OD-501-2 - Conformity assessment and certification of Gearbox by RECB   |
| 79       | ok       | 1   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>⊻   |   | Full Time   | IEC   | International/<br>Switzerland                            | TC 88 Wind<br>Energy<br>Generation<br>Systems  | MT 2   | NV  |  | Technical expert.                                      | IEC 61400-2 Wind turbines - Part 2:<br>Small wind turbine  |
| 80       | ok       | I   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>¥   |   | Full Time   | IEC   | International/<br>Switzerland                            | TC 88 Wind<br>Energy<br>Generation<br>Systems  | MT 13  | NV  |  | Technical expert.                                      | IEC 61400-13 Wind turbines - Part 13:<br>Measurement of mechanical loads   |
| 81       | ok       | 1   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>⊻   |   | Full Time   | AWEA  | USA  | Wind Technical<br>Standards<br>Committee   | WTSC   | v   |  | Voting member  | ANSI/AWEA 61400 series, AWEA<br>SWT-1  |
| 82       | ok       | 1   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>⊻   |   | Full Time   | IEC   | International/<br>Switzerland                            | TC 88 Wind<br>Energy<br>Generation   | MT 11  | NV  |  | Technical expert.                                      | IEC 61400-11 Wind turbines Part 11:<br>Acoustic noise measurement<br>techniques  |
| 83       | ok       | 1   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>⊻   |   | Full Time   | IEC   | International/<br>Switzerland                            | Systems TC 88 Wind Energy Generation Systems   | TC 88  | NV  |  | Chair  | IEC 61400 series   |
| 84       | ok       | i i   | van Dam   | Jeroen   | jeroen.van.dam@nrel.go<br>⊻   |   | Full Time   | AWEA  | USA  | Wind Technical<br>Standards<br>Committee   | Small wind<br>subcommitee  | v   |  | Co-Chair   | AWEA SWT-1   |
| 85       | ok       | - 1   | Optis   | Mike   | mike.optis@nrel.gov   |   | Full Time   | ANSI/AWEA   | USA  | ANSI/AWEA TR-<br>1 Subcommittee  | Technical Committee  | v   |  | Co-chair, Voting<br>member, technical<br>expert.       | AWEA TR1: Wind Farm Power<br>Performance   |
| 86       | ok       | ı   | Fields  | Michael  | michael.fields@nrel.gov   |   | Ful Time  | International<br>Electro-technical<br>Committee             | USA  | IEC TC 88  | 61400-15   | v   |  | Task Secretary,<br>Voting member,<br>technical expert. | IEC 61400-15 "Assessment of Wind<br>Resource, Energy Yield and site<br>suitability input conditions for wind<br>power plants"  |
| 87       | ok       | - 1   | Fields  | Michael  | michael.fields@nrel.gov   |   | Ful Time  | ENTR Allianmoe  | USA  | NA.  | Operational Analytics  | NV  |  | Technical Expert                                       | ENTR Alliance Open Source<br>Operational Data Analytics<br>Implemenation   |
| 88       | ok       | I   | Fields  | Michael  | michael.fields@nrel.gov   |   | Ful Time  | International<br>Energy Agency                              | USA  | Task 43: Wind<br>Energy<br>Digitaliztaion  | Work Package 4:<br>Digital Wind<br>Resource<br>Assessment                                  | v   |  | Operating Agent,<br>Technical Expert                   | Digitral WRA data standard version 0.1   |
| 89       | ok       | I   | Huskey  | Arlinda  | Arlinda.Huskey@nrel.go<br>⊻   |   | Full Time   | International<br>Electrotechnical<br>Commission<br>(IEC)    | Switzerland  | IEC 61400-12-1<br>Project Team<br>(PT)   | Technical Committee  | v   |  | Voting member,<br>technical expert.                    | IEC 61400-12-1 Power performance<br>testing for wind turbines  |
| 90       | ok       | 1   | Huskey  | Arlinda  | Arlinda.Huskey@nrel.go<br><u>v</u>  |   | Full Time   | International<br>Electrotechnical<br>Commission<br>(IEC)    | Switzerland  | IEC 61400-11-2<br>Project Team<br>(PT)   | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                    | IEC 61400-11 Acoustic emissions<br>testing and measurement of acoustic<br>characteristics for wind turbines  |
| 91       | ok       | l l   | Hughes  | Scott  | scott.hughes@nrel.gov   |   | Full Time   | International<br>Electrotechnical<br>Commission             | Switzerland  | IEC 61400-23   | Technical Committee  | ٧   |  | Technical Expert                                       | IEC 61400-23, Full-scale structural testing of rotor blades  |
| 92       | ok       | ı   | Berry   | Derek  | derek.berry@nrel.gov  |   | Full Time   | American Wind<br>Energy<br>Association<br>(AWEA)            | USA  | AWEA Blade<br>Committee  | Committee  | NV  |  | Participant  | Not applicable (no current AWEA standard in process)   |
| 93       | ok       | - 1   | Robertson   | Amy  | amy.robertson@nrel.gov  |   | Full Time   | International<br>Electrotechnical<br>Commission             | International  | IEC TC88 and<br>IECRE  | Joint Working Forum<br>on Model Validation   | v   |  | Voting member,<br>technical expert.                    | Joint Working Forum on Model<br>Validation for Wind  |
| 94       | ok       | I   | Musial  | Walter   | walter.musial@nrel.gov  |   | Full Time   | AWEA Wind<br>Technical<br>Standards<br>Committee            | USA  | AWEA Wind<br>Technical<br>Standards<br>Committee   | Offshore Wind<br>Subcommittee  | NV  |  | Chariman of AWEA<br>Offshore Wind<br>Subcommittee      | Maintenance of AWEA OCRP 2012,<br>version 2 Floating Offshore Wind<br>Turbines in U.S. Waters Metocean<br>Data Requirements for U.S. Water<br>Geotechnical Data Requirements for<br>U.S. Waters, Subsea Cables     |
| 95       | ok       | ı   | Clark   | Caitlyn  | caitlyn.clark@nrel.gov  |   | Full Time Postdoc   | IEC   | International  | Technical<br>Committee 114,<br>Marine energy -<br>wave, tidal and<br>other water<br>current<br>converters                      | Maintenance Team<br>101, Advisory Group<br>2   | v   |  | Voting member,<br>technical expert.                    | IEC 62600-101, Wave energy resource assessment and characterization  |

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| Line No. | Status | 'R' for Revision of<br>Information<br>Previously Submitted,<br>or<br>'T' for Termination of<br>Membership | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant | DOE Enter 'D' if Participant is Employed by DOE | Other<br>Specify the<br>Employment Status of<br>Participant | Name of Non-<br>Government<br>Standards Body<br>(NGSB) | Country of Non<br>Government<br>Standards Body<br>(NGSB) | Name of Main  | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) | Voting Status: "V" for Voting or "NV" for Nonvoting | DOE  Enter 'D' if You are Formally Designated as an Official DOE | Other  Specify the Type of Representation Below                | ID/Title of Standards Relevant to<br>DOE Mission  |
|----------|--------|---|---|--|---|---|---|--|--|---|--|---|--|--|---|
| 96       | ok     | - I   | Clark   | Caitlyn  | caitlyn.clark@nrel.gov  |   | Full Time Postdoc   | IEC  | USA  | USNC/ANSI   | Young and Emerging<br>Professionals<br>Committee   | ٧   |  | Voting member,<br>technical expert.                            | Young and Emerging Professionals<br>Committee Framework   |
| 97       | ok     | - I   | Clark   | Caitlyn  | caitlyn.clark@nrel.gov  |   | Full Time Postdoc   | IEA  | International  | TEM 99  | Task 11  | v   |  | Voting member,<br>technical expert.                            | Task 11, Work Package 3, Integrated<br>Design of Floating Wind Arrays, Array-<br>Level Failure Risks and Mitigation   |
| 98       | ok     |   | Preus   | Robert   | robert.oreus@nrel.gov   |   | Full Time   | IEC  | International  | SC 8B   | WG1 WG3  | V   |  | technical expert   | Decentralized Energy Systems  |
| 99       | ok     | ı   | Preus   | Robert   | robert.preus@nrel.gov   |   | Full Time   | AWEA   | USA  | SWT1  | Technical committee  | v   |  | technical expert   | AWEA/ANSI SWT1 Small wind<br>certification standard   |
| 100      | ok     | ı   | Mathison  | Steven   | <u>steven mathison읍 rrel.g</u><br>호V  |   | Full Time   | Society of<br>Automotive<br>Engineers                  | USA  | Fuel Cell<br>Standards<br>Committee                     | Interface Task Force   | V   |  | Voting member,<br>Chair of ITF,<br>technical expert.           | 22601 / Eusling Protocols for Light Duy<br>Gaseous Hydrogen Surface Websides<br>J2601-2; Fueling Protocol for Gaseous<br>Hydrogen Powerd Heavy Duy<br>Hydrogen Powerd Heavy Duy<br>Hydrogen Powerd Housting Tucke<br>12601-3; Compressed Hydrogen Surface<br>Vehicle Fueling Connection Devices<br>22700 / Hydrogen Surface Webside to<br>Station Communications Hardware and<br>Software<br>22719 / Hydrogen Fuel Quality<br>Screening Hydrogen Fuel Quality<br>Screening Test of Chemicals for Fuel<br>Cell Vehicle |
| 101      | ok     | - 1   | Mathison  | Steven   | steven.mathison@nrel.g<br>ov  |   | Full Time   | International<br>Standards<br>Organization             | USA  | TC 187  | US Technical<br>Advisory Group   | ٧   |  | Voting member,<br>technical expert.                            | 19885 / Gaseous hydrogen Fuelling<br>protocols for hydrogen-fuelled vehicles  |
| 102      | ok     | 1   | Mathison  | Steven   | steven.mathison@nrel.g  |   | Full Time   | Canada<br>Standards<br>Association                     | USA  | Hydrogen<br>Transportation<br>Technical<br>Committee    | HGV 4.3 Technical<br>Sub-Committee   | ٧   |  | Voting member,<br>Chair of HGV 4.3<br>TSC technical<br>expert. | HGV 4.3 / Test methods for hydrogen<br>fueling<br>parameter evaluation  |
| 103      | ok     | 1   | Buttner   | William  | william.buttner@nrel.gov  |   | Full Time   | SAE  | USA  | SAE Fuel Cell<br>Standards<br>Committee                 | Technical Committee  | v   |  | Expert Support   | SAE TIR J3089 Sensors for On-board<br>vehicle applicatosn; SAE J2719<br>Hydrogen Fuel Quality for Fuel Cell<br>Vehicles   |
| 104      | ok     | l l   | Buttner   | William  | william.buttner@nrel.gov  |   | Full Time   | cgs  | USA  | ANSI / CGA H-5-<br>2014                                 | Technical Committee  | NV  |  | Expert Support   | Standard for Bulk Hydrogen Supply<br>Systems (revision of ANSI/CGA H-5-<br>2014)  |
| 105      | ok     | i   | Buttner   | William  | william.buttner@nrel.gov  |   | Full Time   | ISO  | ISO  | TC197   | Technical Committee  | NV  |  | Expert Support   | ISO TC 197 14687 Hydrogen fuel<br>quality — Product specification   |
| 106      | ok     | ı   | Meintz  | Andrew   | andrew.meintz@nrel.gov  |   | Full Time   | Society of<br>Automotive<br>Engineers                  | USA  | G-32 Cyber<br>Physical Systems<br>Security<br>Committee | Working Group  | NV  |  | Technical expert   | JA7496 Cyber Physical Systems<br>Security Engineering Plan  |
| 107      | ok     | - I   | Dahlhausen  | Matthew  | matthew.dahlhausen@n<br>rel.gov   |   | Full Time   | ASHRAE   | USA  | SPC 229   | Technical Committee  | ٧   |  | Voting member,<br>technical expert.                            | ASHRAE Std. 229 (forthcoming),<br>Ruleset Standard for Energy Modeling<br>Compliance  |
| 108      | ok     | I   | Gonzales  | John   | john.gonzales@nrel.gov  |   | Full Time   | CSA  | Canada   | NGV   | Technical Committee  | NV  |  | Technical Expert   | NGV 4.4 (breaksway devices for NG<br>dispensing); NGV 4.8 (NGV reflueling<br>station compressor packages); B401<br>(vehicle maintenance facilities codes);<br>B108 (Natural gas reflueling stations<br>installation code)   |
| 109      | ok     | ı   | Moriarty  | Kristi   | kristi.moriarty@nrel.gov  |   | Full Time   | Underwriters<br>Laboratory                             | USA  | UL 25A  | UL 25A   | NV  |  | Technical Expert   | UL 25A Ed. 1 - Standard for Meters for<br>Gasoline and Gasoline/Ethanol Blends<br>with Normial Ethanol Concentrations<br>up to 85 Percent (EO - E85); 25B<br>Meters for Diesel Fuel, Bloidesel Fuel,<br>Diesel/Biodiesel Blends with Normial<br>Biodiesel Concentrations up to 20<br>Percent (B20), Kerosene, and Fuel Oili   |

| Type of Submittal<br>Status | Last Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | First Name<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | Email Address<br>of Non-Government<br>Standards Body<br>(NGSB)<br>Participant Status | DOE<br>Enter 'D' if Participant is<br>Employed by DOE<br>Status | Other<br>Specify the<br>Employment Status of<br>Participant Status | Name of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Country of Non-<br>Government<br>Standards Body<br>(NGSB) Status | Name of Main<br>Committee<br>Status | Number of Activity<br>(e.g., committee,<br>sub-committee,<br>working group,<br>task group) Status |
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| List of Org | <u>anizations</u>                                       |                     |              |             |            |
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| 1           | Ames Laboratory   |                     |              |             |            |
| 2           | Argonne National Laboratory                             |                     |              |             |            |
| 3           | Brookhaven National Laboratory                          |                     |              |             |            |
| 4           | DOE-Ames Site Office                                    |                     |              |             |            |
| 5           | DOE-Argonne Site Office                                 |                     |              |             |            |
| 6           | DOE-AU  |                     |              |             |            |
| 7           | DOE-Berkeley Site Office                                |                     |              |             |            |
| 8           | DOE-BPA   |                     |              |             |            |
| 9           | DOE-Brookhaven Site Office                              |                     |              |             |            |
| 10          | DOE-Carlsbad Field Office                               |                     |              |             |            |
| 11          | DOE-Chicago Ames Group                                  |                     |              |             |            |
| 12          | DOE-Chicago Operations Office                           |                     |              |             |            |
| 13          | DOE-CTA   |                     |              |             |            |
| 14          | DOE-DR  |                     |              |             |            |
| 15          | DOE-EA  |                     |              |             |            |
| 16          | DOE-EE  |                     |              |             |            |
| 17          | DOE-EM  |                     |              |             |            |
| 18          | DOE-FE  |                     |              |             |            |
| 19          | DOE-FTCP  |                     |              |             |            |
| 20          | DOE-GC  |                     |              |             |            |
| 21          | DOE-Golden Field Office                                 |                     |              |             |            |
| 22          | DOE-Grand Junction Project Office                       |                     |              |             |            |
| 23          | DOE-Idaho National Laboratory-NE                        |                     |              |             |            |
| 24          | DOE-MA  |                     |              |             |            |
| 25          | DOE-NA  |                     |              |             |            |
| 26          | DOE-NE  |                     |              |             |            |
| 27          | DOE-NETL (BPO)  |                     |              |             |            |
| 28          | DOE-Oak Ridge Office-EM                                 |                     |              |             |            |
| 29          | DOE-Oak Ridge Office-NE                                 |                     |              |             |            |
| 30          | DOE-Oak Ridge Office-SC                                 |                     |              |             |            |
| 31          | DOE-Office of River Protection                          |                     |              |             |            |
| 32          | DOE-ORNL Site Office                                    |                     |              |             |            |
| 33          | DOE-Pacific Northwest Site Office                       |                     |              |             |            |
| 34          | DOE-Portsmouth/Paducah                                  |                     |              |             |            |
| 35          | DOE-Princeton Site Office                               |                     |              |             |            |
| 36          | DOE-Richland Operations Office                          |                     |              |             |            |
| 37          | DOE-Savannah River Office-EM                            |                     |              |             |            |
| 38          | DOE-Savannah River Operations Office                    |                     |              |             |            |
| 39          | DOE-SC  |                     |              |             |            |
| 40          | DOE-Stanford Site Office                                |                     |              |             |            |
| 41          | DOE-Thomas Jefferson Site Office                        |                     |              |             |            |
| 42          | DOE-West Valley Demonstration Project                   |                     |              |             |            |
| 43          | Fermi NAL   |                     |              |             |            |
| 44          | Hanford-CH2M Hill Plateau Remediation Company (CH       | PRC)                |              |             |            |
| 45          | Hanford-Mission Support Alliance (MSA)                  | ,                   |              |             |            |
| 46          | Idaho National Laboratory                               |                     |              |             |            |
| 47          | Kansas City Plant                                       |                     |              |             |            |
| 48          | Lawrence Berkeley National Laboratory                   |                     |              |             |            |
| 49          | Lawrence Livermore National Laboratory                  |                     |              |             |            |
| 50          | Los Alamos National Laboratory                          |                     |              |             |            |
| 5           | 2007 Marriod Hadiorial Euboratory                       |                     |              |             |            |

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| 51        | National Energy Technology Laboratory-PGH     |  |  |
| 52        | Nevada National Security Site-MSTS            |  |  |
| 53        | Nevada National Security Site-SOC             |  |  |
| 54        | NNSA-Kansas City Site Office                  |  |  |
| 55        | NNSA-Kirtland Area Office                     |  |  |
| 56        | NNSA-Livermore Site Office                    |  |  |
| 57        | NNSA-Los Alamos Site Office                   |  |  |
| 58        | NNSA-Nevada                                   |  |  |
| 59        | NNSA-Pantex                                   |  |  |
| 60        | NNSA-Production Office                        |  |  |
| 61        | NNSA-Sandia Site Office                       |  |  |
| 62        | NNSA-Savannah River Office                    |  |  |
| 63        | NNSA-Service Center (Albuquerque)             |  |  |
| 64        | NNSA-Y-12                                     |  |  |
| 65        | ORAU  |  |  |
| 66        | ORNL  |  |  |
| 67        | ORNL-Isotek                                   |  |  |
| 68        | ORNL-UCOR (URS   CH2M )                       |  |  |
| 69        | PNNL-Battelle                                 |  |  |
| 70        | Princeton Plasma Physics Lab                  |  |  |
| 71        | Sandia National Laboratories-Albuquerque      |  |  |
| 72        | Sandia National Laboratories-Livermore        |  |  |
| 73        | Savannah River Site-SRNS (EM)                 |  |  |
| 74        | Savannah River Site-SRR                       |  |  |
| 75        | SLAC National Accelerator Laboratory          |  |  |
| 76        | Thomas Jefferson National Lab                 |  |  |
| 77        | WIPP  |  |  |

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