**Instructions**

The Personnel Technical Qualifications form is designed to identify personnel that the Bidder will assign to an Area of Expertise (AOE). The form is required if the Bidder assigns personnel to an AOE. The Bidder shall submit one Personnel Qualifications Form (Attachment 8) for **each person** to the applicable AOE where they provide personnel who are subject matter experts for that AOE. The Bidder may identify a maximum of three personnel for each AOE. Personnel may be assigned to more than one AOE.

The Bidder is not required to submit a Personnel Qualifications Form for every AOE listed within the Technical Areas. However, Bidders will receive higher scores in the solicitation evaluation phase based on how well those demonstrate its proposed team of personnel can adequately cover the range of AOEs, as well as sufficiently meet the knowledge, skills, abilities, and experience needed to successfully perform the work for each AOE.

1. Insert a number in the header above that corresponds to the AOE addressed in this form.

2. Complete each section of this form (1 – 4) as stated below:

 **Section 1: Identification of Area of Expertise**

 Identify **one** AOE (The areas of expertise are listed under the Technical Areas).

**Section 2:** **Identification of Personnel Qualified for Area of Expertise**

 Identify the individual that the Bidder will assign to the AOE identified in Section 1.

**Section 3: Project Abstract**

 List up to three projects related to the AOE that the individuals identified in Section 2 has/have participated in, including a project abstract.

 Identify any projects affiliated with a California governmental agency.

**Section 4: Technical Document Abstract *(if applicable)***

 List **up to two** technical papers related to the AOE that the individual authored or co-authored, including a document abstract.

**Section 1: Identification of Area of Expertise**

Please identify **one** AOE below by entering an “X” next to the AOE. The AOEs are listed under the Technical Areas (lettered A through I).

|  |
| --- |
| **Energy Efficiency** |
| **Area A. Buildings End-Use Energy Efficiency** |
|  | 1. **Appliance, Office, and Consumer Electronics Technologies**
 |
|  | 1. **Building Envelope**
 |
|  | 1. **Lighting Technologies**
 |
|  | 1. **Space Conditioning Technologies**
 |
|  | 1. **Water Efficient Applications, Water Heating and Distribution Systems**
 |
|  | 1. **Whole Building Energy Measurement, Simulation and Benchmarking, and Load Flexibility and Demand Response**
 |
| **Area B. Industrial, Agricultural, and Water End-Use Energy Efficiency** |
|  | 1. **Industrial Energy Efficiency and Demand Reduction**
 |
|  | 1. **Industrial and Agricultural Water Efficiency and Demand Reduction**
 |
|  | 1. **Water Treatment: Potable and Wastewater**
 |
|  | 1. **Carbon Management and Utilization**
 |
| **Energy Generation** |
| **Area C. Renewable Energy Technologies** |
|  | 1. **Biomass Electric Generation and Municipal Solid Waste (MSW) Technologies**
 |
|  | 1. **Geothermal Energy and Lithium Recovery**
 |
|  | 1. **Solar Photovoltaic and Thermal Electric Technologies**
 |
|  | 1. **Wind Technologies**
 |
|  | 1. **Renewable Energy Integration**
 |
| **Area D. Energy-Related Advanced Generation** |
|  | 1. **Combined Cooling, Heating and Power (CCHP) Technologies and Applications**
 |
|  | 1. **Fuel Cell Technologies**
 |
|  | 1. **Gas Turbines (Micro and Small)**
 |
|  | 1. **Hydrogen Production and Generation Technologies**
 |
| **Area E. Energy-Related Environmental Research** |
|  | 1. **Geologist: Geologic Storage of Carbon Dioxide**
 |
|  | 1. **Heat Transfer Specialist: Power Plant Cooling**
 |
| **Energy Infrastructure** |
| **Area F. Energy Technology Systems Integration**  |
|  | 1. **Demand Responsive Technologies and Systems**
 |
|  | 1. **Advanced Grid Technologies**
 |
|  | 1. **Zonal Electrification and Gas Decommissioning**
 |
|  | 1. **Transmission & Distribution (T&D) Technologies and Power Electronics**
 |
|  | 1. **Energy Storage Technologies and Grid Interconnection**
 |
|  | 1. **Gas Infrastructure Safety and Integrity**
 |
|  | 1. **Hydrogen Delivery and Storage**
 |
|  | 1. **Cybersecurity**
 |
| **Area G. Energy-Related Transportation** |
|  | 1. **Transportation Electrification**
 |
| **Energy Deployment and Market Facilitation** |
| **Area H. Market Facilitation** |
|  | 1. **Market Assessment**
 |
|  | 1. **Technology Commercialization**
 |
|  | 1. **Regional Economic Development**
 |
|  | 1. **Workforce Training and Development for Clean Energy**
 |
|  | 1. **Local Planning and Permitting**
 |
|  | 1. **Technology Manufacturing**
 |
| **Other Technical Support**  |
| **Area I. Cross-Cutting Program Support** |
|  | 1. **Financial Consultant**
 |
|  | 1. **Appraiser**
 |
|  | 1. **Technical Editor and Formatter**
 |
|  | 1. **Technical Writer**
 |
|  | 1. **Equity Considerations**
 |
|  | 1. **Graphic Designer and Video Producer**
 |
|  | 1. **Webcast**
 |
|  | 1. **Event Planner**
 |
|  | 1. **Trainer**
 |
|  | 1. **California Environmental Quality Act (CEQA) Specialists**
 |

**Section 2: Identification of Personnel Qualified for Area of Expertise**

Complete this section for the individual that the Bidder will assign to the Area of Expertise (AOE) identified in Section 1.

|  |
| --- |
| **Individual** |
| **Name** |  |
| **Years of Professional Practice within the Area of Expertise** |  |
| **Company** |  |
| **Company Location** |  |
| **Years Employed by Company** |  |
| **Major Degrees/University** |  |
| **Relevant Current Licenses** |  |
| **Specialized Expertise**. List up to four specialized credentials and/or qualifications (other than relevant current licenses) of the individual related to this Area of Expertise.  |  |
|  |
|  |
|  |
| **Projects.** List the title and agreement number (if applicable) for up to three projects related to the Area of Expertise that the individual has participated in. Include any projects affiliated with a California governmental agency. ***Complete******Section 3 (Project Abstract) for each identified project.*** |  |
|  |
|  |
|  |
|  |
|  |
| **Technical Documents.** If applicable, list the titles of up to two technical papers related to the Area of Expertise that the individual has authored/co-authored. ***Complete Section 4 (Technical Document Abstract) for each identified paper.*** |  |
|  |
|  |
|  |

**Section** 3**: Project Abstract**

Describe the projects related to the Area of Expertise identified in Section 1 that the individual identified in Section 2 has participated in. **List up to three projects for the individual**. Identify any projects affiliated with a state governmental agency.

|  |
| --- |
| **Individual** |

|  |  |
| --- | --- |
| **Name** |  |
| **Project Title #1** |  |
| **Agreement Number (If Applicable)** |  |
| **Company Affiliation** |  |
| **Contact Person and Phone Number** |  |
| **Project Term Date** |  |
| **Project Total Cost** |  |
| **Role (Lead, Major or Minor)** |  |
| **Project Abstract (Recommend up to 200 words max—Include the description, results, key deliverables, conclusions, and how the service or deliverable was utilized):** |

|  |  |
| --- | --- |
| **Name** |  |
| **Project Title #2** |  |
| **Agreement Number (If Applicable)** |  |
| **Company Affiliation** |  |
| **Contact Person and Phone Number** |  |
| **Project Term Date** |  |
| **Project Total Cost** |  |
| **Role (Lead, Major or Minor)** |  |
| **Project Abstract (Recommend up to 200 words max—Include the description, results, key deliverables, conclusions, and how the service or deliverable was utilized):** |

|  |  |
| --- | --- |
| **Name** |  |
| **Project Title #3** |  |
| **Agreement Number (If Applicable)** |  |
| **Company Affiliation** |  |
| **Contact Person and Phone Number** |  |
| **Project Term Date** |  |
| **Project Total Cost** |  |
| **Role (Lead, Major or Minor)** |  |
| **Project Abstract (Recommend up to 200 words max—Include the description, results, key deliverables, conclusions, and how the service or deliverable was utilized):** |

**Section 4: Technical Document Abstract**

If applicable, describe **up to two** technical papers related to the Area of Expertise identified in Section 1 that the individual identified in Section 2 has authored or co-authored.List **up to two** technical papers for the individual.

Section 4 does *not* apply to Area I Cross-Cutting Program Support AOEs.

|  |
| --- |
| **Individual** |

|  |  |
| --- | --- |
| **Document Title #1** |  |
| **Document Date (Published or Printed)** |  |
| **Role (Authored or Co-authored)** |  |
| **Document Abstract (Recommend up to 200 words max—Include the description, results, and conclusions):** |

|  |  |
| --- | --- |
| **Document Title #2** |  |
| **Document Date (Published or Printed)** |  |
| **Role (Authored or Co-authored)** |  |
| **Document Abstract (Recommend up to 200 words max—Include the description, results, and conclusions):** |