

IBPSA-USA Project StaSIO

Request for Qualifications

2022.1.10

Overview:

The new ASHRAE Standard 209 provides a framework to integrate early energy modeling into the design process, and Project StaSIO provides supporting content through graphics and case studies which exemplify an avenue to communicate simulation results to designers that facilitates understanding and decision making. The vision of this project is to create a diverse library of different types of graphic outputs and provide resources for the simulation community to learn data visualization best practices and share their insights on communicating data to inform the design process.

Through previous U.S. Department of Energy (DOE) funding (FY20 and FY21), The StaSIO team has been successful in setting up a self-sustaining project website which provides a framework to engage the simulation community through regular recurring 'Challenges'. Much of the feedback StaSIO has received over the last few years has been the desire from the community to not only get inspired by impactful ways to communicate simulation data graphically, but to learn the ropes on how to distill data to create a communicative graphic. Through FY22 funding the project team would like to grow StaSIO into a Knowledge Hub to provide resources for training and knowledge development.

Funding is provided by the U.S. DOE, and the anticipated budget for this scope of work is \$10,000 to \$12,500.

Scope of Work:

- The subcontractor will be responsible for overall project management, bi-weekly project coordination meetings and management of tasks as outlined below. The consultant will work directly with the Project Execution Committee (PEC) and report to the PEC chair.
- The subcontractor will work with the website developer (engaged through a separate subcontract) to implement changes required for Task 1 and Task 2.
- Provide administrative support for 'Challenges' and coordinate communication with submitters and judges
- Provide support for social media content.
- Lead Task 1 and Task 2 as described below.

• **Task 1: Develop Framework for StaSIO Knowledge Hub**

The subcontractor will work with the project team to engage key industry stakeholders (including BEMcyclopedia, BDE, AIA Cote, ASHRAE 209 committee, architects, engineers and software developers) to provide insight on capabilities and techniques the Knowledge Hub should showcase.

Task 1 Deliverable

Report summarizing stakeholder recommendations and plan for the Knowledge Hub

- **Task 2: Solicit Content for StaSIO Knowledge Hub**

The subcontractor will work with the project team and will reach out to industry wide experts to request content for the Knowledge Hub. This outreach could be through the regular StaSIO Challenges feature which are open to the entire simulation community.

Task 2 Deliverables

Report summarizing the outcome of the crowdsourcing effort

Deliverables and Timeline:

Deliverable/Milestone	Date
0.1 Issue RFQ	January 10 th , 2022
0.2 Proposal deadline	January 31 st , 2022
0.3 Project Kickoff	February 14 th , 2022
0.4 Monthly Progress Reports	Monthly
1.0 Task 1 Deliverable	June 6 th , 2022
2.0 Task 2 Deliverable	September 5 th , 2022

Format for Submittals:

1. **CV and Team Expertise:** Description of general qualifications, specific evidence of relevant experience, and a listing of key personnel that would be available to work on this project.
2. **Cost.** Proposed hourly billing rate for each team member. Description of any match funding or in-kind contributions that would be provided

Additional Optional Information:

3. **Description of Approach:** Up to two pages describing the consultant’s approach to meeting project objectives.
4. **Comparable Projects:** Summary of past projects that demonstrate the consultant’s expertise.

Evaluation of Submittals:

Consultants responding to this RFQ must demonstrate relevant expertise and capability in the following criteria:

- Detailed understanding applying BEM across a variety of use cases including, but not limited to, conceptual design, design optimization, system design, code compliance analysis, and green building rating system analysis
- Experience in developing agendas, presentation materials, and hosting technical advisory group meetings
- Exceptional written and oral communication skills



- Past experience in working with key collaborators is preferred including, but not limited to, IBPSA-USA, U.S. DOE, utility program managers involved in code compliance or beyond-code compliance programs, and AIA members
- US company or US based team for a foreign owned company

IBPSA-USA will evaluate all submittals to determine which Consultants have the experience and qualifications that are best suited for this project.

IBPSA-USA may in the course of soliciting proposals:

- modify the timeline
- negotiate with one or more respondents to modify the proposed scope
- solicit contracts with one or more respondents for all or a portion of the work
- opt not to pursue any proposals at the current time

Submission Schedule:

Submit qualifications in PDF form via email to Mike Wilson, jobs@ibpsa.us , by 5:00pm Pacific time on January 31, 2022.