

Application of Banking Scoring and Rating for Coherent Risk Measures in Electric Systems (ABSCoRES) ratings and scores; (2) we developed novel data driven dispatch algorithms that integrate the ABSCoRES; (3) we establish a strategy for the application of the scores, and open the development of new products to mitigate incurred risks. We leverage scoring and ratings from banking and financial institutions alongside current optimization methods in dispatching power systems to help system operators and electricity markets schedule resources. Our approach is motivated by the observation that there are major differences between the power scheduled by a system operator and the actual power generated/consumed in real time. Moreover, the methodology can be used to develop scores that provide signals in high impact-low probability (HILP) events. Our framework counteracts two failures in existing electricity system: (i) Frictions in knowledge of assets (imperfect or asymmetric information regarding the risk they may induce in the system) and (ii) missing mechanisms (or markets) for products to mitigate risk incurred in the system. Generally having large differences from the expected operating conditions, sometimes augmented with unplanned contingencies, obeys to different reasons. We consider these reasons as potential risk sources. There are various sources, including: Increased participation of renewable energy generators and the associated integration schemes across balancing areas, different financial, environmental and risk preferences of power producers, consumers, and aggregators (e.g., FERC Order Nos. 841 and 2222), loss of inertia, distributed energy resources, inter-dependencies with other systems and cybersecurity, and generally a more active demand side. Our proposed methodologies will improve economic efficiency of assets in the electricity system while recognizing limitations in assessing the distribution of information uncertainties affecting agents participating in these systems. A particularly attractive feature of our approach is its connection to economic theory of decision making under uncertainty. The trading of contingent claims in different states of the world in an Arrow-Debreu Economy with complete markets allows for full insurance coverage leading to a competitive equilibrium output. While this is a theoretical benchmark, the score calculation reduces the information asymmetries and can

provide a way to better coordinate different agents and stakeholders.

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## EXECUTIVE OFFICE OF THE PRESIDENT

### Request for Information to Make Access to the Innovation Ecosystem More Inclusive and Equitable

**AGENCY:** White House Office of Science and Technology Policy (OSTP).

**ACTION:** Notice of Request for Information (RFI).

**SUMMARY:** The White House Office of Science and Technology Policy (OSTP), on behalf of the National Science and Technology Council (NSTC) Lab-to-Market (L2M) Subcommittee, seeks information to improve inclusive and equitable access to Federal programs and resources by broadly engaging stakeholders in the U.S. innovation ecosystem. The public input provided in response to this RFI will inform OSTP and NSTC on work with Federal agencies and other stakeholders to improve existing programs and/or develop new programs to improve inclusive and equitable access in the Federally-funded research and development-driven sector.

**DATES:** Interested persons and organizations are invited to submit responses on or before 5:00 p.m. ET on July 5, 2022.

**ADDRESSES:** Responses should be submitted electronically to [LabtoMarketRFI@ostp.eop.gov](mailto:LabtoMarketRFI@ostp.eop.gov) and include "L2M RFI Response" in the subject line of the email. Due to time constraints, mailed paper submissions will not be accepted, and electronic submissions received after the deadline cannot be ensured to be incorporated or taken into consideration.

**Instructions:** Response to this RFI is voluntary. Each responding entity (individual or organization) is requested to submit only one response. Respondents need not reply to all questions listed. Responses must not exceed 6 pages in 12 point or larger font, with a page number provided on each page. Responses should include the name of the person(s) or organization(s) filing the comment, as well as the respondent type (e.g., academic institution, advocacy group, professional society, community-based organization, industry, trainee/student, member of the public, government, other). Respondent's role in the organization may also be provided (e.g.,

researcher, faculty, student, administrator, program manager, journalist) on a voluntary basis. Comments containing references, studies, research, and other empirical data that are not widely published should include copies or electronic links of the referenced materials. Please be aware that comments submitted in response to this RFI, including the submitter's identification (as noted above), may be posted on OSTP's website or otherwise released publicly. OSTP, therefore, requests that no business proprietary information, copyrighted information, or personally identifiable information be submitted in response to this RFI.

In accordance with FAR 15.202(3), responses to this notice are not offers and cannot be accepted by the Federal Government to form a binding contract. Additionally, those submitting responses are solely responsible for all expenses associated with response preparation.

**FOR FURTHER INFORMATION CONTACT:** For additional information, please direct questions to Kylie Gaskins at [LabtoMarketRFI@ostp.eop.gov](mailto:LabtoMarketRFI@ostp.eop.gov) or 202–456–4444.

**SUPPLEMENTARY INFORMATION:** Our nation's people are rich with diverse experiences. However, there is tremendous untapped science, technology, engineering, and mathematics (STEM) innovative potential throughout the nation. Demographic and socioeconomic groups in every geographic region of the country are full of talent that should have access to Federal programs and resources that afford them opportunities to contribute to the nation's innovation enterprise. There is ample evidence that our nation's potential in the arenas of innovation and entrepreneurship can be enhanced by engagement with the untapped talent of people who belong to groups that have historically been and are currently underrepresented.

Through this RFI, the L2M Subcommittee seeks input from the public to identify and better understand: (1) Barriers that prevent innovators from underrepresented groups or underserved communities from participating in the innovation ecosystem; (2) Recommendations of methods to include and meet the specific needs of innovators from underrepresented backgrounds and communities to increase their participation in the innovation ecosystem; and (3) Examples of government programs or initiatives which have seen success in supporting

innovators from underrepresented backgrounds.

For this RFI, examples of Federal programs and resources to support the innovation ecosystem include STEM education programs, Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program participation, entrepreneurial training for researchers (e.g., the Innovation Corps I-Corps™ program), collaboration with Federal laboratories, commercialization funding, and other phases of the research, development, demonstration, and deployment (RDD&D) continuum.

**Background:** The NSTC L2M Subcommittee was established to strengthen the nation's ability to transition Federally-funded innovations from the laboratory to the marketplace. One strategy to accomplish this aim is to enhance participation in the innovation ecosystem. Innovation ecosystem describes the complex community of participants and resources needed to develop and commercialize technology. This ecosystem includes the people (e.g., students, faculty, industry researchers, investors) that make up the institutional entities (e.g., universities, businesses, funding agencies, venture capital firms, state and local economic development organizations, entrepreneur support organizations), material resources (e.g., funding, equipment, facilities), and the relationships among these interconnected actors. Innovation ecosystems may operate at different geographic levels (e.g., city, regional, national) and within multiple sectors (e.g., health, energy, agriculture).

Entrepreneurs may lack knowledge about these resources and have difficulty navigating them, which poses significant barriers to participation. Ensuring that access to resources and capital are available to all Americans as well as ensuring the benefits of entrepreneurship are accessible across the nation are critical in creating a robust and dynamic workforce with inclusive growth.

### Information Requested

OSTP seeks responses to the following questions to improve inclusive and equitable access for our nation's diverse pool of innovators and emerging entrepreneurs in Federal science and technology programs. Respondents may provide information for one or as many topics below as they choose. In your response, please indicate your role in the innovation ecosystem (e.g., entrepreneur, investor, ecosystem connector, researcher in

academia, state economic development representative).

*Executive Order 13985 defines underserved communities as populations sharing a particular characteristic that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life.*

*1. a. In your experience, what are barriers to participation in the innovation ecosystem?*

*b. Do barriers exist that are unique to innovators from specific underrepresented backgrounds or underserved communities? If so, what are those barriers?*

*c. How can the Federal government identify the specific barriers, problems, or issues faced by innovators and emerging entrepreneurs from underrepresented backgrounds or underserved communities as they seek to engage with Federal programs and services?*

*2. How can the Federal government increase participation in the innovation ecosystem by innovators from backgrounds and communities underrepresented in the current ecosystem? In your response, please provide your definition of "underrepresented" or "underserved".*

*3. How can the Federal government meet the specific needs (e.g., training, support, other) of innovators and emerging entrepreneurs from backgrounds and communities underrepresented in the innovation ecosystem by either improving existing government programs or initiatives, or by offering new government programs or initiatives?*

*4. Are there examples of programs that have seen success in supporting innovators from underrepresented backgrounds and underserved communities in the innovation ecosystem? What are the critical success factors of these programs?*

Dated: May 27, 2022.

**Stacy Murphy,**

*Operations Manager.*

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## FEDERAL HOUSING FINANCE AGENCY

[No. 2022-N-7]

### Proposed Collection; Comment Request

**AGENCY:** Federal Housing Finance Agency.

**ACTION:** 30-Day notice of submission of information collection for approval from Office of Management and Budget.

**SUMMARY:** In accordance with the requirements of the Paperwork Reduction Act of 1995 (PRA), the Federal Housing Finance Agency (FHFA or the Agency) is seeking public comments concerning a previously approved information collection known as "Advances to Housing Associates," which has been assigned control number 2590-0001 by the Office of Management and Budget (OMB). FHFA intends to submit the information collection to OMB for review and approval of a three-year extension of the control number, which is due to expire on June 30, 2022.

**DATES:** Interested persons may submit comments on or before July 5, 2022.

**ADDRESSES:** Submit comments to the Office of Information and Regulatory Affairs of the Office of Management and Budget, Attention: Desk Officer for the Federal Housing Finance Agency, Washington, DC 20503, Fax: (202) 395-3047, email: [OIRA\\_submission@omb.eop.gov](mailto:OIRA_submission@omb.eop.gov). Please also submit comments to FHFA, identified by "Proposed Collection; Comment Request: 'Advances to Housing Associates, (No. 2022-N-7)'" by any of the following methods:

- **Agency Website:** [www.fhfa.gov/open-for-comment-or-input](http://www.fhfa.gov/open-for-comment-or-input).
- **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the instructions for submitting comments. If you submit your comment to the *Federal eRulemaking Portal*, please also send it by email to [RegComments@fhfa.gov](mailto:RegComments@fhfa.gov) to ensure timely receipt by the agency.

- **Mail/Hand Delivery:** Federal Housing Finance Agency, Office of General Counsel, 400 Seventh Street SW, Washington, DC 20219, ATTENTION: Proposed Collection; Comment Request: "Advances to Housing Associates, (No. 2022-N-7)".

We will post all public comments we receive without change, including any personal information you provide, such as your name and address, email address, and telephone number, on the FHFA website at <http://www.fhfa.gov>.

Copies of all comments received will be available for examination by the public through the electronic comment docket for this PRA Notice also located on the FHFA website.

**FOR FURTHER INFORMATION CONTACT:**

James Hedrick, Senior Financial Analyst, by email at [James.Hedrick@FHFA.gov](mailto:James.Hedrick@FHFA.gov), by telephone at (202) 649-3319, or Angela Supervielle, Counsel,