



U.S. Department of Housing
and Urban Development

Mass Market Solutions for Leveraging Robotics and AI Technologies for Home Construction Demonstration

PDR-2600-DC-029Q

Applications are due by 11:59:59 PM Eastern Time on 07/13/2026.

Policy Development and Research

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BEFORE YOU BEGIN

If you are a good candidate for this funding opportunity, register in the required systems and review the application materials. If you are already registered, confirm that your information is current and active.

SAM.gov Registration

You must have an active and up-to-date account with [SAM.gov](https://sam.gov), at the time of application and throughout the life of any award.

To register, go to [SAM.gov Entity Registration](https://sam.gov) and click Get Started. From the same page, you can also click the Entity Registration Checklist for the information you will need to register.

It can take several weeks to register in [SAM.gov](https://sam.gov), so get started now if you are planning to apply. [SAM.gov](https://sam.gov) also provides each organization with a unique entity identifier (UEI). A valid UEI is required to apply for funding.

Grants.gov Registration

You must have an active [Grants.gov](https://grants.gov) registration. This requires a [Login.gov](https://login.gov) registration as well. See step-by-step instructions at the [Grants.gov Quick Start Guide for Applicants](https://grants.gov). You must apply for funding using [Grants.gov](https://grants.gov), unless HUD has approved your [waiver request](https://grants.gov).

See [Section VI.B](https://grants.gov). Submission Methods.

Find the Application Package

Use the Grants Search at [Grants.gov](https://grants.gov) and search for opportunity number PDR-2600-DC-029Q . The application package has all the online forms you need to apply. You also need to access the Download Instructions link and review the content before you apply.

If you have other technical difficulties using Grants.gov, contact the Support Center on [Grants.gov](https://grants.gov).

To get updates on changes to this notice of funding opportunity (NOFO), click Subscribe from the View Grant Opportunity page on [Grants.gov](https://grants.gov).

Application Deadline

Applications are due by 11:59:59 PM Eastern Time on 07/13/2026.
See [Section VI.A](https://grants.gov). of this NOFO.

HUD Listserv

To get **email alerts** about current and future funding opportunities, **subscribe** to [HUD's Funding Opportunities listserv](https://grants.gov).

I. BASIC INFORMATION

I. [Basic Information](#)

A. [Summary](#)

B. [Agency Contact\(s\)](#)

I. BASIC INFORMATION

See [Contact and Support](#) section of this NOFO.

A. Summary

Federal Agency Name:

United States Department of Housing and Urban Development (HUD)

HUD Program Office:

Policy Development and Research

Announcement Type:

Initial

Program Type:

Discretionary

Paperwork Reduction Act Information:

2501-0044, 2528-0299

Due Date for Intergovernmental Review:

See [Section VI.C.1.](#)

Key Facts

Opportunity Name:

Mass Market Solutions for Leveraging Robotics and AI Technologies for Home Construction Demonstration

Opportunity Number:

PDR-2600-DC-029Q

Federal Assistance Listing(s):

14.536

Key Dates

Application Due Date:

11:59:59 PM Eastern Time on:

07/13/2026

Anticipated Award Date:

09/01/2026

Estimated Performance Period Start Date:

10/01/2026

Estimated Performance Period End Date:

09/30/2029

1. NOFO Summary

The Mass Market Solutions for Leveraging Robotics and AI Technologies for Home Construction Demonstration NOFO provides competitive awards to eligible applicants to fund quality projects that demonstrate how the development and deployment of advanced robotics and AI technologies can accelerate the manufacturing of factory-built housing and/or offsite

components. Projects funded via this NOFO must directly address the Program's purpose and goals. HUD expects to execute cooperative agreements (as defined by 31 U.S.C. 6305) with the entities selected for awards under this NOFO. As such, HUD substantial involvement is expected. HUD's Office of Policy Development and Research (PD&R) will provide the necessary involvement and oversight of the awards.

2. Funding Details

Type of Funding Instrument

CA (Cooperative Agreement)

Available Funds

Funding of approximately **\$10,000,000** is available through this NOFO.

Additional funds may become available for award. Use of these funds is subject to statutory constraints. All awards are subject to the selection process contained in this NOFO.

Estimated Number of Awards

3 awards from [available funding](#)

Minimum Award Amount:

\$3,000,000

Per Project Period

Maximum Award Amount:

\$10,000,000

Per Project Period

Length of Performance Period:

36-month project period and budget period

Length of Periods Explanation:

N/A

B. Agency Contact(s)

See [Contact and Support](#) section of this NOFO.

II. ELIGIBILITY

II. Eligibility

A. Eligible Applicants

B. Eligible Applications

C. Cost Sharing or Matching

II. ELIGIBILITY

A. Eligible Applicants

If your organization is not an eligible applicant, your application won't be reviewed or scored, and you won't receive funding from HUD.

1. Eligible Entity Types:

06 (Public and State controlled institutions of higher education)

12 (Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education)

13 (Nonprofits without 501(c)(3) status with the IRS, other than institutions of higher education)

20 (Private institutions of higher education)

22 (For profit organizations other than small businesses)

23 (Small businesses)

Historically Black Colleges and Universities (HBCUs)

Tribally Controlled Colleges and Universities (TCCUs)

Additional Information on Eligibility

You cannot apply as an individual.

[Faith-based organizations](#) may apply just like any other organization. [HUD does not have any policies or practices that unfairly target these institutions.](#)

Non-profit Applicants: To confirm your eligibility as an applicant with non-profit status, HUD will use data from the Internal Revenue Service (IRS).

2. Restrictions

a. Statutory and Regulatory Requirements

You must meet the current [General Statutory and Regulatory Eligibility Requirements](#). If you do not meet these requirements, your application won't be scored, and you won't receive funding from HUD. This is a threshold requirement for all HUD funding.

b. Resolution of Civil Rights Matters

If you have any outstanding or unresolved judgments for violating civil rights laws, you must settle them before you apply. If you don't, settle the civil rights law violations before you apply, your application won't be scored, and you won't receive funding from HUD. This is a threshold requirement for all HUD funding.

B. Eligible Applications

1. An application from an [eligible entity](#) is considered for funding if it meets basic [threshold requirements](#) and passes [merit review](#).

2. Your application must support the [goals](#) of this NOFO.

3. Awards made under this NOFO will not be used to conduct activities that subsidize or facilitate illegal racial preferences or other forms of illegal discrimination, including activities where race or intentional proxies for race will be used as a selection criterion for employment or program participation.

C. Cost Sharing or Matching

This Program does not require [cost sharing or matching](#).

III. PROGRAM DESCRIPTION

III. Program Description

A. Purpose

B. Goals and Objectives

C. Authority

D. Unallowable Costs

E. Indirect Costs

III. PROGRAM DESCRIPTION

A. Purpose

The purpose of this NOFO is to support demonstration projects through the deployment of advanced robotics and AI technologies in residential building construction industry to accelerate the manufacturing of factory-built housing and/or offsite components. HUD is interested in advanced robotics and AI technology innovations that can expand housing supply by allowing homes to be built more quickly and at a lower cost than conventional construction methods. The program intends to support efforts across a range of construction types, from panelized systems to fully volumetric 3D modular buildings. Each funded project must demonstrate if an advanced robotics and/or AI solution can efficiently manufacture specific housing components at a scale sufficient to support the delivery of an expected number of homes specified by the applicant.

By supporting innovation and adoption of AI technologies for housing development, the demonstration will advance the President's Executive Order on [Removing Barriers to American Leadership on Artificial Intelligence](#) (January 23, 2025), which stated that "it is the policy of the United States to sustain and enhance America's global AI dominance in order to promote human flourishing, economic competitiveness, and national security."

HUD substantial involvement. HUD expects to execute cooperative agreements with selected applicants under this NOFO. As such, the following examples of HUD substantial involvement are expected:

- Review and final approval of the overall project management plan.
- Review and final approval of the demonstration project design, which may include data collection protocols, data collection instruments, and analytic plans.
- Review and approval of any written materials documenting the project results.
- Support in identifying available and relevant data assets and facilitating access to select data assets, where feasible.
- Regularly meet to discuss project progress.
- Review and approve any changes in key personnel or employment of any external consultants.

B. Goals and Objectives

The goals of the NOFO are to:

1. Identify scalable stages within the factory-built housing construction process (both onsite and offsite) that can be automated using advanced robotics and/or AI technologies; and
2. Demonstrate types of automation (advanced robotics and/or AI technologies) that can be deployed at scale to improve the efficiency of producing high quality factory-built housing.

The primary objective of this NOFO is to demonstrate if the deployment of technologies which automate the production of housing and can be scaled, can be used as a means to increase the supply of housing. This effort attempts to bridge the gap between traditional capital

investment in known technologies, and the level of deployment necessary to bring advanced robotics and/or AI technologies to scale to increase the production of residential building components or housing units. Projects will be required to demonstrate if advanced robotics and/or AI technologies have the capacity to efficiently build the determined components for a desired number of homes, showcasing the technology's effectiveness, efficiency, and potential for broader adoption. Demonstrations should also quantify improvements in affordability through speed and labor demand reductions.

This funding opportunity will help advance the Presidential Memorandum published on January 20, 2025, titled [Delivering Emergency Price Relief for American Families and Defeating the Cost-of-Living Crisis](#), which directs Federal agencies to "pursu[e] appropriate actions to: lower the cost of housing and expand housing supply..." among other goals. Research supported under this funding opportunity must also be aligned with the elements of Gold Standard Science that are outlined in the Executive Order published May 23, 2025, titled [Restoring Gold Standard Science](#).

Consistent with the Executive Order published on April 23, 2025, titled [White House initiative to Promote Excellence and Innovation at Historically Black Colleges and Universities](#) (HBCUs), which establishes as policy that HBCUs obtain "equal opportunities for participation in Federal Programs," HBCUs are strongly encouraged to apply for these funds.

Applicants should become familiar with all other applicable current and future Executive Orders, a listing of which is found [here](#).

C. Authority

This program is authorized by Sections 501 and 502 of the Housing and Urban Development Act of 1970 (12 U.S.C. §1701z-1 and §1701z-2) and the Full-Year Continuing Appropriations and Extensions Act, 2025 (Public Law 119-4, approved March 15, 2025).

D. Unallowable Costs

Funds may not be used for a doctoral dissertation research grant program. However, doctoral students may work on projects funded under this NOFO, and costs such as stipends or tuition remission may be allowable if reasonable, necessary, and directly related to the proposed research, consistent with 2 CFR 200.466.

The recipient or subrecipient must not earn or keep any profit. An organization may not evaluate or conduct research on itself. HUD will determine whether salary rates are reasonable, customary for the skill set provided and the tasks to be conducted, and in accordance with federal legal requirements.

The leasing or rental of space for any activities supported through this NOFO is allowed only under the following conditions:

- The lease must be for existing facilities not requiring rehabilitation or construction except for minimal alterations to make the facilities accessible for a person with disabilities;
- No repairs or renovations of the property unrelated to the proposed demonstration may be undertaken with funds from this NOFO; and

- Properties in the Coastal Barrier Resources System designated under the Coastal Barrier Resources Act (16 U.S.C. 3501) cannot be leased or rented with federal funds.

Funds for the provision of general-purpose equipment not directly tied to the demonstration project (forklifts, office computers unless integral to robot operation) and capital equipment may not be charged as an indirect cost. Consistent with 2 CFR §§ 200.439(b)(1) and (7), capital equipment must be charged as a direct cost when it is necessary, reasonable, and allocable to the approved scope of work. Such costs must be separately identified, fully itemized, and clearly justified in the project budget. For example, equipment such as robotics systems, production-line automation hardware, or other capital assets must be proposed and justified as direct project costs and may not be included in an indirect cost pool or recovered through an indirect cost rate.

E. Indirect Costs

If you expect to charge [indirect costs](#) to the award, submit the Indirect Cost Information for Award Applicant/Recipient form (HUD-426) with your application.

F. Program History

This is a new funding opportunity.

G. Other Information

This funding opportunity will award funding to organizations deploying either offsite or onsite advanced robotics solutions/AI technologies capable of autonomously or semi-autonomously performing key residential building construction tasks. Eligible activities may include, but are not limited to, robotics systems for framing, panelized systems, Mechanical, Electrical and Plumbing systems, insulation, drywall installation, or exterior finishing. AI applications may include, but are not limited to, real-time quality control, materials tracking, predictive scheduling, and adaptive construction sequencing. Projects must quantify how the use of advanced robotics/AI technologies improves affordability by lowering production costs, reducing labor needs, or accelerating construction timelines. Demonstrations should be scaled appropriately for innovation and should be suitable for widespread adoption, up to and including full home construction.

Proposal Requirements

Applicants' proposal should include the following:

- A clear description of current housing construction/production stages (without divulging any proprietary information or trade secrets), identifying the status of any automation currently employed, labor and skill level requirements, units output levels and a rough estimation of cost of production.
- Description of the applicant's data collection and analysis capabilities and identification of specific variables that will be monitored and analyzed. Applicants should provide baseline data, if available, that can be used to effectively evaluate the demonstration project outcomes/outputs.
- Identification of regulatory/compliance issues (if any) including but not limited to building codes, zoning codes, inspections or certifications, etc.

- The intended/proposed automation, which should include specific stages of the construction process to be automated, why and how those stages were selected, requirements of the innovation (software/hardware), impacts of the proposed innovation/automation on other stages (both up-stream and down-stream) of the construction process, perceived challenges and how they will be addressed, impact on labor/skill requirements and impact on output/system efficiency. The applicant should provide an estimate of the increase in the number of building components or housing units that the proposed automation will produce.
- A proposed evaluation process to identify impacts of the proposed automation/innovation on units' output, process efficiency, labor/skills requirements and cost efficiency.

Deliverables

HUD cooperative agreements require certain activities and deliverables as part of award and project management, including:

- **Management and Work Plan (MWP):** The MWP shall outline the overall strategy for completing the demonstration project within the budget and time frame allotted. Specifically, the MWP shall describe activities to be undertaken, identify assigned staff with clearly defined roles and responsibilities, and provide a schedule of key tasks and major milestones.
- **Demonstration Project Design (DPD):** The DPD shall describe the methodology to be used to complete the proposed effort, including data collection, management, and analysis. If appropriate, the demonstration project design shall describe the protocol for sampling, testing, performing data analysis, and communicating the results.
- **Quality Control Plan (QCP):** a written document that outlines the awardee's proposed approach to quality control of all activities and deliverables to be produced over the period of performance.
- **Quarterly Progress Reports:** a narrative summary of accomplishments of the awardee over the prior quarter, discussion of any deviations from the initial schedule of progress, and a summary of how those deviations impact the project and how the Grantee recommends handling the deviation. Documentation of work completed during the prior quarter should align with financial reporting submitted in the same quarter, including any invoices submitted to draw down funding from the award.
- **Interim Reporting:** Interim reports are required after achievement of all major milestones.
- **Interim and Final Briefings:** Interim briefings shall be delivered summarizing the early findings of the demonstration at the midpoint of the performance period. A final briefing shall take place at least one month prior to the delivery of the final report. Feedback from the briefings shall be incorporated into the final report.
- **Final Draft and Final Report:** The submission of a draft final report summarizing the full scope of work, accomplishments, and findings under the award, prepared in accordance with the HUD User Report Style Guide. After the end of the period of

performance, a final report must be submitted that fully addresses HUD's comments and incorporates any required revisions.

PD&R's grants management staff and the Governmental Technical Representative (GTR) for the cooperative agreement will work closely with awardees to further define deliverables during the project. Deliverables shall not reveal trade secrets or other confidential information as part of the reporting requirements. However, testing data and other results are expected to be reported to help evaluate the effectiveness of any proprietary technologies. Final work products must be well-written and adhere to plain language principles. The final report must be of publishable quality and conform to PD&R's Guidelines on Preparing a Report for Publication. All final work products must be compliant with § 508 of the Rehabilitation Act (29 U.S.C. 794d). HUD anticipates publishing the final deliverable(s) on our website at www.huduser.gov. Following submission of the final report, PD&R encourages grantees to seek additional outlets for publishing and communicating findings.

Other Allowable Costs.

Capital Expenditures

Equipment purchases are allowable as direct costs when necessary to complete the approved scope of work and when approved by HUD, consistent with 2 CFR 200.439. Equipment with a per-unit acquisition cost of \$10,000 or greater requires prior written approval from HUD. Total equipment and capital costs for the proposed project may not exceed 40 percent of the total HUD award amount.

Allowable capital expenditures include, but are not limited to, robotic arms, gantry systems, 3D printing heads, sensors, control systems, end effectors, production-line automation hardware, and software licenses that are integral to the operation of such equipment. Costs for installation, system integration, calibration, and operator training are allowable when they are directly related to the operation of the equipment and necessary to carry out the proposed demonstration project. However, in the case of equipment purchase, you must comply with the Flood Disaster Protection Act of 1973 (42 U.S.C. 4001-4128) and the National Flood Insurance Reform Act of 1994 (42 U.S.C. 4001, et seq.).

Limitations on Physical Activities and Environmental Compliance

Activities funded under this NOFO are limited to those that qualify as categorically excluded and not subject to environmental review under 24 CFR 50.19(b)(14). Accordingly, HUD funds under this NOFO may not be used for construction, rehabilitation, physical expansion of facilities, ground disturbance, or any activities that would trigger environmental review under 24 CFR Part 50. Permissible activities are limited to non-construction economic development activities, including equipment purchase, inventory financing, operating expenses, and similar costs that are not associated with construction or physical expansion of existing facilities.

Facility Modifications (Limited Scope)

Minor, non-structural interior adjustments may be allowable only to the extent they are necessary to install or operate approved equipment and remain consistent with 24 CFR 50.19(b)(14). Such adjustments must:

- Be limited to interior, non-structural activities that do not alter the footprint, structure, or function of the facility

- Not involve construction, rehabilitation, or physical expansion
- Not involve ground disturbance or site work of any kind
- Not located within the Coastal Barrier Resources System
- Not trigger any compliance factors under 24 CFR 50.4(b)(1)
- Be directly and exclusively tied to the installation and operation of approved equipment

Any activity that exceeds these limitations is not allowable under this NOFO.

Procurement and Property Standards

Award recipients must follow Federal procurement requirements in accordance with 2 CFR 200.317–200.327, as applicable. The designation of an entity as a subrecipient or contractor must follow program requirements and 2 CFR 200.331.

Recipients may take ownership of equipment acquired under this award, subject to Federal property standards. Recipients must track, manage, and safeguard equipment and protect the Federal Government's interest in such property in accordance with 2 CFR 200.313 and 2 CFR 200.439. Requirements for use, transfer, and disposition of equipment apply.

Equipment acquired under this award must first be used to support the approved demonstration project. Continued use after the period of performance is permitted provided that the original project purpose has been fulfilled, Federal interest is protected, and use is documented in accordance with 2 CFR 200.313.

Application Requirements for Capital Equipment

Applicants must include a detailed budget justification for all proposed equipment costs. The justification must describe:

- Why the proposed equipment is necessary to carry out the demonstration project
- How the equipment advances housing construction outcomes and project objectives
- The plan for use of the equipment after completion of the demonstration project
- Inventory management, maintenance, and internal control procedures to safeguard Federal interest

IV. APPLICATION CONTENTS AND FORMAT

IV. Application Contents and Forms

A. Standard Forms, Assurances, and Certifications

B. Budget

C. Narratives and Other Attachments

D. Other Application Content

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IV. APPLICATION CONTENTS AND FORMAT

Applications must include three main elements: a) standard forms, assurances, and certifications; b) budget; and c) narratives and other attachments. The content, forms, and format for each element are included in this section.

You may use this section as a checklist to ensure you submit a complete application.

If you don't provide the required documents in the correct format, your application is incomplete.

Do not submit password protected or encrypted files.

Element	Submission Form
Standard Forms, Assurances, and Certifications	Upload using each required form.
Budget	Use the required budget form.
Narratives and Other Attachments	Insert each in the Attachments form.

15 pages is the total maximum length of all narratives.

The application must include a narrative and all required forms and attachments. Content beyond the specified page limit will not be reviewed. Charts and tables are allowed and count toward the page limits. All narratives and attachments must be single-spaced 12-point Times New Roman font on letter sized paper (8½ x 11 inches) with at least 1-inch margins on all sides.

A. Standard Forms, Assurances, and Certifications

You must properly complete and submit with your application the standard forms, assurances, and certifications identified below. You can find all forms in the application package or review them and their instructions at [Grants.gov Forms](#). You can also [read more about standard forms](#) on HUD's Funding Opportunities page.

If you are applying for an award for scientific research, you must commit to complying with administration policies, procedures, and guidance respecting Gold Standard Science (EO 14303).

Forms/Assurances/Certifications	Submission Requirement	Notes/Description
Application for Federal Assistance (SF-424)	Required with the application	Page limit: Not applicable File name: SF-424
Applicant and Recipient	Required with the application	Page limit: Not applicable

Forms/Assurances/Certifications	Submission Requirement	Notes/Description
Assurances and Certifications (HUD 424-B)		File name: HUD-424B
Applicant/Recipient Disclosure/Update Report (HUD 2880)	Required with the application and after award.	Page limit: Not applicable File name: HUD-2880
Certification Regarding Lobbying	Required with the application	Page limit: Not applicable File name: Lobbying Certification form
Disclosure of Lobbying Activities (SF-LLL)	If applicable, required with the application	Page limit: Not applicable File name: SF-LLL
Certification for a Drug-Free Workplace (HUD-50070)	Required with the application	Page limit: Not applicable. File name: HUD-50070

All applicants must submit all required forms as indicated in the Forms/Assurances/Certifications column above.

B. Budget

You must submit a budget with your application to support your project narrative.

At a minimum, your budget must indicate direct and any indirect costs.

You must submit with your application the following budget-related information to support your project narrative: 1) the Grant Application Detailed Budget Worksheet (HUD-424-CBW); 2) the Indirect Cost Information Certification (HUD-426); and 3) the budget narrative, as described below in Section IV.C.

Budget Form/Document	Submission Requirement	Notes/Description
Grant Application Detailed Budget Worksheet (HUD-424-CBW)	Required with the application	Page limit: Not applicable File name: HUD-424CBW Form location: download instructions
Indirect Cost Information Certification (HUD-426)	This document is required with the application and after award	Page limit: Not applicable File name: ICR Doc. Form location: download

Budget Form/Document	Submission Requirement	Notes/Description
		instructions

C. Narratives and Other Attachments

If applicable, you must upload narrative and other attachments in [Grants.gov](https://www.grants.gov) using the Attachments Form. When using the Attachments Form, you can upload PDF, Word or Excel formats.

Document	Submission Requirement	Notes/Description
Cover Sheet	Required with the application	Page limit: 1 File name: Cover Sheet The Cover Sheet is described in more detail below.
Project Abstract	Required with the application	Page limit: 2 File name: Project Abstract Additional information below.
Resumes of Key Staff	Required with the application	Page limit: 6 Resume of no more than two pages per person for up to three key personnel. File name: Resumes
Narrative Response to Rating Factors	Required with the application	Page limit: 15 See Section V.B File name: Narrative Response
Budget Narrative	Required with the application	Page limit: 4 File name: Budget Narrative
Past Performance References	Required with the application	Page limit: n/a File name: References References requirements described below

Document	Submission Requirement	Notes/Description
Letters of Commitment	Required with the application, if applicable	Page limit: n/a File name: Letters of Commitment
Code of Conduct	If not included in HUD's eLibrary , this document is required with the application and after award.	Page limit: Not applicable File name: Code Acceptable Content

In addition to the requirements above, the following additional information applies to the "Narratives and Other Attachments."

- **Cover Sheet** (One-Page Maximum): The cover sheet must include the applicant's legal name, a statement regarding whether the applicant has previously been a recipient of PD&R research funding, and project title.
- **Project Abstract** (Two-Page Maximum): Applicants must submit a Project Abstract written in plain language for a general audience that provides a clear, stand-alone summary of the proposed demonstration project. The abstract must include the project title; the names and affiliations of the Principal Investigator, key demonstration project team members, and any partner organizations with a brief description of their roles; a concise summary of the project objectives, overall demonstration project design, and expected results; and the total amount of HUD funding requested. The Project Abstract is for informational purposes only, will not be evaluated or scored, and does not count towards the 15-page application limit. Any information the applicant wishes HUD to consider in scoring must be included in the appropriate rating factor narrative, not in the Project Abstract.
- **Narrative Response to Rating Factors** (15-Page Maximum): Applicants must submit a project narrative that directly and clearly responds to each of the rating factors identified in Section V.B.1 (Rating Factors 1 through 4). The narrative must be organized by rating factor, with each section clearly labeled to correspond to the applicable factor. All required project descriptions and explanations must be included within the narrative responses to the rating factors and formatted in accordance with Section IV. Any information not provided within, or explicitly referenced by, the rating factor responses will not be reviewed or scored. Points for each rating factor will be based solely on the content submitted in response to that specific factor, including any appendices that are clearly cited in the narrative. Applicants may submit additional supporting materials as appendices; however, these materials will be considered only if they are referenced in the relevant rating factor response and clearly labeled in the footer with the corresponding rating factor they support.
- **Supporting Materials**: Include, as appendices, required materials that are needed to support your response to the rating factors, particularly rating factor 3. These will not be counted towards the rating factors narrative 15-page limit.

- The resumes of the PI and up to two other key personnel (a total of three). Each resume shall not exceed two pages and is limited to information that is relevant in assessing the qualifications and experience of key personnel to conduct and/or manage the proposed demonstration.
- Additionally, applicants should include the following supporting materials:
 - Organizational chart.
 - Letters of commitment (if applicable). If consultants or subrecipients are proposed as key personnel on the project, a letter of commitment from each named individual must be submitted as evidence of their commitment to the project.
 - List of references cited in your responses to the rating factors.

Supporting materials must not exceed 20 pages. Any pages more than this limit will not be reviewed. Any information should not be a continuation of the rating factor narrative but provide further clarification, if needed, of statements made in the rating factor narrative. Any supporting materials with information that are a continuation of a rating factor narrative will not be considered.

- **Budget.** Include a total budget using form HUD-424-CBW included in the Instructions download at [Grants.gov](https://www.grants.gov), with supporting budget justification of up to four pages, which will cover all budget categories of the federal grant request. The budget justification is a written narrative explanation covering each of the components of the budget, which justifies the cost in terms of the proposed work. This information will not be counted towards the rating factors narrative 15-page limit. In completing the budget forms and budget justifications, you should address the following elements:
 - Direct Labor costs, including all full- and part-time staff required for the planning and implementation phases of the project. These costs should be based on full time equivalent (FTE) or hours per year (hours/year) (i.e., one FTE equals 2,080 hours/year);
 - Allowance for two trips to HUD Headquarters in Washington, DC, during the period of performance of your grant, planning each trip for 1-2 people, as needed. In planning your trips, you should assume one or two overnight stays depending on your location;
 - A separate budget form and budget justification for each sub-recipient receiving more than 10 percent of the total federal budget request;
 - Supporting documentation for salaries and prices of materials and equipment, upon request.

D. Other Application Content

1. Technical Application Errors

HUD will contact you to fix a technical error with your timely application after the due date. Technical errors, if corrected, do not affect (positive or negative) your merit rating under this

NOFO. Examples of technical errors include, but are not limited to: inconsistencies in funding requests; a missing or incomplete form or certification; failure to submit an otherwise sufficient application under the correct Assistance Listings number or Funding Opportunity Number in Grants.gov; improper signature on a form or certification; and missing or inappropriate eligibility documentation.

HUD will send notice to the [authorized organization representative](#) to fix a technical error. You must respond timely and appropriately to HUD's notice (see [submission requirements](#)).

Your application is not eligible for funding if you fail to fix the error to HUD's satisfaction by the due date in HUD's notice. HUD will not review information submitted after the due date in HUD's notice.

As directed in HUD's Notice of Technical Application Error, please ensure to include (CC) ResearchPartnerships@hud.gov when emailing corrections to HUD at applicationsupport@hud.gov to ensure receipt of submission. HUD will not review nor accept responses only submitted to the ResearchPartnerships@hud.gov inbox.

V. APPLICATION REVIEW INFORMATION

V. Application Review Information

A. Threshold Review

B. Merit Review

C. Risk Review

D. Selection Process

E. Award Notices

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V. APPLICATION REVIEW INFORMATION

A. Threshold Review

When you apply: Your application is reviewed to make sure it meets the threshold requirements of this NOFO. If your application has a [technical error](#), HUD will allow you to [correct it](#). If you fail to meet **any** of the threshold requirements, your application is **not** eligible for HUD funding. If you do meet the threshold requirements, your application moves to [Merit Review](#) (the next step).

1. Timely Application Submission

Late applications are not evaluated and not eligible for funding. See deadlines in [Section VI](#).

2. Complete Application

If your application is timely, HUD will confirm completeness. Your application is considered for funding if it is complete and responsive to the requirements in this NOFO. If your application is incomplete, HUD will ask you to fix any [technical errors](#). Otherwise, incomplete and nonresponsive applications are not considered for funding.

3. Eligible Applicant

Upon receipt, HUD will confirm whether you are an [eligible applicant](#). Applications from ineligible applicants do not proceed to [merit review](#) and are not eligible for HUD funding.

4. Requested Funding Level

Applicants seeking an award amount that is below the minimum award amount (\$3,000,000) or above the maximum award amount (\$10,000,000) will be deemed ineligible.

5. Responsiveness to NOFO Purpose and Required Rating Factor Narratives

The application must (1) demonstrate that the proposed project is within the scope of, and aligned with, the purpose, objectives, and goals of this NOFO as described in Sections III.A and B, and (2) include a narrative response for each required rating factor identified in Section V.B, clearly labeled and submitted in the required format and within applicable page limits. Applications that propose activities outside the scope of the NOFO, or that omit a required rating factor narrative, will be deemed non-responsive and ineligible for further review.

B. Merit Review

If your application meets the threshold requirements, a panel will review and score its merits. The panel may include HUD employees and non-employees. They will evaluate your application based on the following criteria. The results of the evaluation are shared with senior HUD officials who make the [final decisions about funding](#) consistent with this NOFO.

Merit Review Summary

Criterion	Total number of points = 100
Rating Factor 1: Contribution of the Proposed Research	_30_ points
Rating Factor 2: Soundness of Approach	_30_ points

Criterion	Total number of points = 100
Rating Factor 3: Project Management and Capacity of the Team	_20_ points
Rating Factor 4: Budget and Timeline Reasonableness	_20_ points
Total	_100_ points

1. Rating Factors

Your application must include a response to the following criteria.

Rating Factors Details

Criterion	Max points = 100
Rating Factor 1: Contribution of the Proposed Research	_30_ max points
<p>The narrative should clearly demonstrate how the proposed demonstration project directly addresses the objective and goals of the NOFO.</p> <p>1a. The narrative should include a clear and well-supported description of the applicant's housing construction or production stages, including identifying the quantities and outputs of each construction or production stage. The description should be clear enough to provide a good understanding of the construction and or production stages without divulging any proprietary information or trade secrets (5 points).</p> <p>1b. The narrative should clearly identify specific construction or production stage(s) proposed for automation using advanced robotics/AI technologies and provide a clear rationale for the selection of those stage(s). A detailed description and capabilities of the advanced robotics/AI technologies to be deployed in the proposed automation should be provided. Where the proposed automation will increase outputs or reduce construction/production time of the automated stage(s), the narrative should provide detailed information on how the upstream and downstream stages will be impacted and how they will be adjusted to accommodate the proposed modifications in the proposed automation stage(s) (10 points).</p> <p>1c. The narrative should provide detailed information on the expected impacts of the advanced robotics/AI technologies automations on the whole construction/production processes quantifying the expected outputs or reductions in time of the entire construction/production process. The applicant should provide an estimate of the increase in the number of building components or housing units that the proposed automation will produce (10 points).</p> <p>1d. The narrative should discuss the scalability of the proposed approach and its potential implications for local, state, and federal housing policy and industry practices (5 points).</p>	
Rating Factor 2: Soundness of Approach	_30_ max points

Criterion	Max points = 100
<p>2a. The narrative should present a detailed data collection and analysis plan describing the organization's data collection capabilities, including how and when data will be collected, and how the data will be used to assess performance and outcomes. The narrative should provide an analysis plan that is methodologically reasonable and appropriate for the type and quality of data that will be collected (15 points).</p> <p>2b. To ensure that the data collected is of high quality, the narrative should also describe the quality assurance and quality control (QA/QC) measures that will be used to ensure the reliability, validity, and integrity of the data (10 points).</p> <p>2c. The narrative should present a detailed description of a plan/approach for presenting the results of the demonstration project in a comprehensive, impactful, and timely way to relevant stakeholders within the residential housing construction industry (5 points).</p>	
Rating Factor 3: Project Management and Capacity of the Team	_20_ max points
<p>The narrative should describe a clear, practical, and forward-looking plan for managing the work necessary to carry out the proposed demonstration project within the proposed timeframe and allotted resources. Applications will be evaluated on the extent to which the proposed project management approach demonstrates feasibility, organization, and an ability to effectively coordinate complex activities.</p> <p>3a. The narrative should explain the applicant's approach to managing the work, including:</p> <ul style="list-style-type: none"> • Managing communication with HUD staff, including providing quarterly progress reports; • Establishing a timeline for the completion of the demonstration project effort, including start dates, completion dates, and other major milestones for each task and subtask; • Ensuring overall project quality control and identifying points in the schedule where a quality control lapse is most likely to occur, and the impact on deliverables to HUD; and • Identification and resolution of regulatory/compliance issues (if any) and how you plan to overcome obstacles that may affect progress (8 points). <p>3b. The narrative should also describe the proposed project staffing approach and explain how staff roles, expertise, and levels of effort align with the tasks required to complete the demonstration project. It should detail the extent to which the proposed staffing demonstrates relevant experience, appropriate allocation of effort, and the capacity to successfully perform the proposed work. Reviewers will consider whether staff assigned to specific tasks have the skills and qualifications appropriate for those responsibilities (8 points).</p> <p>3c. The narrative should provide a brief, high-level overview of the organization's relevant</p>	

Criterion	Max points = 100
<p>capabilities and prior experience in the residential housing construction industry, particularly experience related to managing projects, demonstrations, or complex technical initiatives (4 points).</p> <p>The following items are required supporting submissions (that should be included in the appendices as referenced in Section IV.C) that will be used to confirm applicant capacity and capabilities, and support post-selection review, risk assessment, and award negotiation:</p> <ul style="list-style-type: none"> • A staffing chart identifying key personnel and showing the allocation of total person-hours by task and year; • Identification of up to three key personnel, including at least one Principal Investigator, who will have primary responsibility for managing or carrying out the proposed work; • An appendix containing resumes or biosketches (maximum two pages each) for up to three identified key personnel; • Letters of commitment for any proposed key personnel who are consultants or subrecipients; and • A separate appendix with at least two references from recent (within the past five years) relevant demonstration projects, including contact information and a brief project description. <p>These appendices do not count toward the 15-page narrative page limit.</p>	
<p>Rating Factor 4: Budget and Timeline Reasonableness</p>	<p>_20_ max points</p>
<p>This factor will be assessed based on a review of three items:</p> <ol style="list-style-type: none"> 1. the proposed project scope and timeline, 2. the Grant Application Detailed Budget Worksheet (HUD Form 424-CBW), and 3. the Budget Narrative. <p>4a. They should be aligned and reasonably support the completion of the proposed project within the proposed timeline (10 points).</p> <p>4b. The Budget Narrative should explain how each requested budget line item was estimated and will support the completion of the proposed demonstration project (10 points).</p>	

This NOFO does not offer any preference points.

2. Other Factors

Your application must respond to the following additional criteria.

a. Budget

The panel will evaluate but not approve the budget. The panel will assess whether the budget aligns with planned program activities and objectives. Panel members will consider whether the budget and the requested performance period are fully justified and reasonable in relation to the proposed project.

C. Risk Review

Before making any awards, HUD will evaluate each applicant's likelihood of successfully carrying out the project. Here's what HUD looks at:

Past Performance:

- Government-wide performance data, as noted in [2 CFR 200.206\(a\)](#)
- Public sources like news reports, Inspector General findings, Government Accountability Office reports, and complaints proven to have merit
- History of managing Federal awards (if applicable), including on-time reporting, meeting planned goals, and following previous award rules. And, the extent to which any previously awarded amounts will be expended prior to future awards
- Reports from past audits, including those performed under 2 CFR part 200, subpart F—Audit Requirements
- History of finishing activities on time and using any promised matching or leveraged funds

Organizational Health:

- Financial stability
- Quality of management systems and ability to meet the management standards in 2 CFR part 200
- Ability to follow all required laws and rules
- Capacity, including staffing structures and capabilities

Results:

- Ability to promote self-sufficiency and economic independence
- Number of people served or targeted for assistance

HUD will consider applicant compliance with current administration Executive Orders.

HUD may use the results of the risk review to make final funding decisions and/or set specific conditions on the award.

D. Selection Process

When making award funding decisions, HUD will consider:

- Threshold review results, including eligibility requirements.

- Merit review results.
- Risk review results.

To the extent allowed by law, HUD may also consider:

- The scope of the overall projected impact on the program and administrative goals and priorities in this NOFO.
- Reasonableness of the estimated costs to the government.
- The applicant's readiness to conduct the proposed work.
- Likelihood that the proposed project will result in the benefits expected.
- Broad range of recipients beyond recurrent recipients.
- Geographic dispersion.
- All else being equal, preference for applicants with lower indirect cost rates.
- Applicants with demonstrated success in implementing Gold Standard Science (applicable to research awards).
- Applicants with potential to produce immediate results and potential for longer-term, breakthrough results, based on the goals of this NOFO (applicable to research awards).

To the extent allowed by law, HUD may:

- Fund applications in whole or in part.
- Fund applications at a lower amount than requested.
- Choose to fund no applications under this NOFO.
- Withdraw an award offer and make an offer of funding to another eligible application, if terms and conditions are not finalized or met timely.
- Use additional funds made available after NOFO publication to either fully fund an application or fund additional applications.
- Correct HUD review and selection errors. If HUD commits an error that causes an applicant not to be selected, HUD may make an award to that applicant when and if funding is available.
- Release another NOFO, if funding is available and if HUD does not receive applications of merit.

Consistent with Section 4 of Executive Order 14332, and to the extent permitted by applicable law, HUD leadership and/or their designees may exercise independent judgment in accordance with the selection criteria in making final award selections.

Each application will be scored by a panel of subject matter experts. Following scoring, a list of all applications will be delivered to the PD&R selecting official in ranked order. The PD&R selecting official makes award selections based on an evaluation of threshold, merit, and risk review as described in this NOFO. HUD has discretion in selecting applicants to ensure a

distribution of funding across eligible applicant types, research demonstration topics and approaches, and geography.

All applicants will receive a formal decision notice sent to the organization's point of contact as listed on the SF-424.

E. Award Notices

If your application is successful, HUD will email an award notice to the authorized official representative from the SF-424. HUD will also notify unsuccessful applicants.

The award notice communicates the amount of the award, important dates, and the terms and conditions you need to follow. The notice may also include HUD-imposed award conditions as provided under [2 CFR 200.208](#).

You agree to the award terms and conditions by either drawing funds from HUD's payment system or signing the agreement with HUD. If you do not agree to the award terms and conditions, HUD may select another eligible applicant.

VI. SUBMISSION REQUIREMENTS AND DEADLINES

VI. Submissions Requirements and Deadlines

A. Deadlines

B. Submission Methods

C. Other Submissions

D. False Statements

VI. SUBMISSION REQUIREMENTS AND DEADLINES

You must apply electronically, unless you qualify to submit a [paper application](#). See [Find the Application Package](#) to make sure you have everything you need to apply online.

Make sure you are current with [SAM.gov](#) and UEI requirements before applying for the award. See the [Before You Begin](#) section of this NOFO.

A. Deadlines

1. Application submission deadline:

The application deadline is 11:59:59 PM Eastern time on:

07/13/2026

HUD must receive your application by the deadline. Applications received after the deadline are late. Late applications are not eligible for HUD funding.

If HUD receives more than one application from you, HUD will review only the last submission.

HUD may extend an application due date based on emergency situations such as Presidentially-declared natural disasters. An improper or expired registration and password issues are not causes to allow HUD to accept applications after the deadline date.

2. Grace Period for Grants.gov Submissions

If [Grants.gov](#) rejects your application before the deadline, you have up to 24 hours after the application deadline to correct and resubmit your application. Any application submitted during the grace period but not received and validated by Grants.gov will not be considered for funding. There is no grace period for paper applications.

B. Submission Methods

1. Electronic Submission

You must register and submit your application through [Grants.gov](#). See [Before You Begin](#).

For instructions on how to submit in [Grants.gov](#), see the [Quick Start Guide for Applicants](#).

Make sure that your application passes the [Grants.gov](#) validation checks or we may not get it.

[Grants.gov](#) will record the date and time of your application submission. HUD will use this information to determine timely applications.

Need Help? See the [Contact and Support](#) section of this NOFO.

2. Electronic Submission Application Waiver

You may request a waiver from the requirement to submit your application electronically. The request must show good cause and detail why you are technologically unable to submit electronically. An example of good cause may include: a valid power or internet service disruption in the area of your business office. Lack of [SAM.gov](#) registration is not good cause.

Use the information in the [Contact and Support](#) section of this NOFO to submit a written request to HUD. You must **submit your waiver request at least 15 calendar days before**

the application deadline.

C. Other Submission Information

1. Intergovernmental Review

This NOFO is not subject to Executive Order [12372](#). No action is needed.

2. Technical Application Errors

HUD will contact you to fix a [technical error](#) with your timely application after the due date. Use the following submission requirements to respond to HUD's notice.

a. Fix Errors in Electronic Applications

To fix an error in response to a HUD notice, you must email the corrections to HUD at applicationsupport@hud.gov. The subject line of the email to applicationsupport@hud.gov must state "Technical Fix" and include the [Grants.gov](#) application tracking number (e.g., Subject: Technical Fix - GRANT123456). If you do not email applicationsupport@hud.gov or if you do not include the appropriate subject line, HUD may mark your application as ineligible.

The HUD notice will allow between 48 hours and 14 calendar days from the date of the HUD notice to fix an error. If the due date to fix an error falls on a Saturday, Sunday, Federal holiday, or on a day when HUD's Headquarters is closed, then the due date moves to the next business day.

As directed in HUD's Notice of Technical Application Error, please ensure to include ResearchPartnerships@hud.gov when emailing corrections to HUD at applicationsupport@hud.gov to ensure receipt of submission. HUD will not review nor accept responses only submitted to the ResearchPartnerships@hud.gov inbox.

b. Fix Errors in Paper Applications

You must fix an error in your paper application, in accordance with HUD's notice. If your paper application includes an incorrect UEI, HUD will request you supply the correct UEI.

D. False Statements

By submitting an application, you acknowledge your understanding that providing false or misleading information on your application, or during any part of the performance phase of an award, can lead to serious consequences. Those consequences include but are not limited to: fines, repayment, restitution, prison time, termination of any HUD award, and being banned from receiving any future HUD award and doing business with the federal government (18 USC 1001, 18 USC 1012, 18 USC 1010, 18 USC 1014, 18 USC 287, 31 USC 3729 et seq., 31 USC 3801-3812, FAR Part 9.4, 2 CFR Part 180, other remedies in your HUD award).

VII. POST - AWARD REQUIREMENTS AND ADMINISTRATION

VII. Post-Award Requirements and Administration

- A. Administrative, National and Departmental Policy Requirements and General Terms and Conditions
- B. Environmental Requirements
- C. Remedies for Noncompliance
- D. Reporting

VII. POST-AWARD REQUIREMENTS AND ADMINISTRATION

Standard post-award requirements are available online at:
<https://www.huduser.gov/portal/ota/guidance.html> .

A. Administrative, National and Departmental Policy Requirements, and General Terms and Conditions

You must follow the applicable provisions in the [Administrative, National & Departmental Policy Requirements and Terms for HUD Financial Assistance – 2026](#):

Administrative

1. Build America, Buy America (BABA) (Sections 70901-52 of [Public Law 117-58](#); [41 U.S.C. 8301 et seq](#); and [2 CFR Part 184](#))
2. Uniform Relocation Assistance and Real Property Acquisition Policies Act ([42 U.S.C. § 4601 et seq](#); [49 CFR part 24](#); and applicable program regulations)
3. Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards ([2 CFR part 200](#))
4. HUD requirements related to safeguarding resident/client files consistent with [2 CFR 200.303\(e\)](#)
5. The Federal Funding Accountability and Transparency Act (FFATA) ([2 CFR part 170](#))
6. Eminent Domain
7. Participation in HUD-Sponsored Program Evaluation ([12 U.S.C. 1701z-1](#); 12 U.S.C. 1702z-2; [24 CFR part 60](#); and [FR-6278-N-01](#))
8. The Freedom of Information Act (FOIA) ([5 U.S.C. § 552\(b\)](#) and [24 CFR 15.107\(b\)](#))
9. Presidential Executive Actions affecting federal financial assistance programs
 - [Executive Order \(EO\) 14332](#) (*Improving Oversight of Federal Grantmaking*)
 - [EO 14303](#) (*Restoring Gold Standard Science*)
 - [EO 14219](#) (*Ensuring Lawful Governance and Implementing the President's "Department of Government Efficiency" Deregulatory Initiative*);
 - [EO 14218](#) (*Ending Taxpayer Subsidization of Open Borders*);
 - [EO 14202](#) (*Eradicating Anti-Christian Bias*);
 - [EO 14205](#) (*Establishment of the White House Faith Office*)
 - [EO 14182](#) (*Enforcing the Hyde Amendment*);
 - [EO 14173](#) (*Ending Illegal Discrimination and Restoring Merit-Based Opportunity*);
 - [EO 14168](#) (*Defending Women From Gender Ideology Extremism and Restoring Biological Truth to the Federal Government*)
 - [EO 14151](#) (*Ending Radical and Wasteful Government DEI Programs and*

Preferencing); and

- [EO 14148](#) (*Initial Rescissions of Harmful Executive Orders and Actions*)

Civil Rights and Other Protections

10. The Fair Housing Act ([42 U.S.C. 3601-3619](#)) and Civil Rights laws (24 CFR 5.105(a))

11. Affirmatively Furthering Fair Housing (AFFH) requirements ([42 U.S.C. § 3608\(e\)\(5\)](#) and [24 CFR 5.150 et seq](#))

12. Economic Opportunities for Low-and Very Low-income Persons ([12 U.S.C. § 1701u](#) and [24 CFR part 75](#))

13. Compliance with Immigration Requirements ([8 U.S.C. § 1601-1646](#); [8 U.S.C. § 1324a](#) ("*Unlawful employment of aliens*"); and [Executive Order 14218](#), *Ending Taxpayer Subsidization of Open Borders*)

14. Accessible Technology requirements ([29 U.S.C. § 794d](#); [29 U.S.C. 794](#); and [42 U.S.C. 12131-12165](#) and implementing regulations at 36 CFR part 1194 (Section 508 regulations), [24 CFR § 8.6](#) (Section 504 effective communication regulations), [28 CFR part 35, subpart H](#) (DOJ Web Access Rule), and [28 CFR part 35, subpart E](#) (DOJ's Title II communications regulations))

15. Ensuring, when possible, the consideration of small businesses, minority businesses, women's business enterprises, veteran-owned businesses, and labor surplus area firms consistent with [2 CFR 200.321](#)

16. Equal Participation of Faith-based Organizations in HUD Programs and Activities consistent with [42 U.S.C. 2000bb et seq.](#); [24 CFR 5.109](#); [Executive Order \(EO\) 14202](#), *Eradicating Anti-Christian Bias*; and [EO 14205](#), *Establishment of the White House Faith Office*

17. Accessibility for Persons with Disabilities requirements ([29 U.S.C. § 794](#) and implementing regulations at [24 CFR parts 8](#) and [100](#); [28 CFR part 35](#))

18. Applicable Violence Against Women Act (VAWA) requirements in the Housing Chapter of VAWA ([34 U.S.C. § 12491-12496](#)); [24 CFR part 5, subpart L](#); and program-specific regulations

19. Trafficking in persons ([Section 106\(g\) of the Trafficking Victims Protections Act of 2000 \(TVPA\), as amended 22 U.S.C. § 7104\(g\)](#) and implementing regulations at [2 CFR part 175](#))

Environmental

20. Environmental requirements that apply in accordance with [24 CFR part 50](#) or [part 58](#); [42 U.S.C. 4321 et seq.](#)

Business Integrity

21. Conducting Business in Accordance with Ethical Standards (Code of Conduct), including [2 CFR 200.317](#), [2 CFR 200.318\(c\)](#), and other applicable conflicts of interest requirements

22. Prohibition on Certain Telecommunication and Video Surveillance Services or Equipment ([41 U.S.C. § 3901](#) and [2 CFR 200.216](#))

23. Waste, Fraud, Abuse, and Whistleblower Protections ([41 U.S.C. § 4712](#))

24. Drug-Free Workplace ([2 CFR part 2429](#))

In addition, if any part or provision of the award agreement or terms of this NOFO are enjoined or held to be void or unenforceable in any jurisdiction, they shall be ineffective as to such jurisdiction and only to the extent of such prohibition or enjoinder and shall not invalidate or affect the legality or enforceability of the remaining provisions and applications of the Agreement and Notice. In the event the enjoinder of such provisions is stayed, dissolved, or reversed, the full terms of the award agreement and NOFO, including such provisions, will automatically become effective. This clause is self-executing and will become effective, binding, and enforceable automatically upon issuance of this NOFO.

B. Environmental Requirements

1. Environmental Review

Activities funded under this NOFO are exempt or categorically excluded from environmental review under the National Environmental Policy Act of 1969 (42 USC § 4321) and not subject to environmental review under related laws and authorities. The exemption or categorical exclusion is in accordance with 24 CFR 50.19(b)(1), (3), (7), (8), and (14).

2. NOFO Impact Determination Related to the Environment

This NOFO has no significant impact related to the environment. HUD has made a Finding of No Significant Impact (FONSI) as required by HUD regulations at [24 CFR part 50](#), which implement section 102(2)(C) of the National Environmental Policy Act of 1969 (42 USC § 4332(2)(c)). To learn more about this FONSI, go to [HUD's Funding Opportunities](#) web page.

C. Remedies for Noncompliance

HUD may terminate all or a part of your award as described under 2 CFR 200.340 through 200.343 pursuant to the terms and conditions of your award, including, to the extent authorized by law:

- if an award no longer effectuates the program goals or agency priorities; or
- in the case of a partial termination, if HUD determines that the remaining portion of the award will not accomplish the purposes for which the HUD award was made.

HUD may also impose specific conditions on your award or take other remedies as described by 2 CFR 200.339 through 200.343, if you do not comply with your award terms and conditions.

You are encouraged to review the PD&R Termination Guide, found at <https://www.huduser.gov/portal/ota/guidance.html>.

D. Reporting

HUD requires recipients to submit performance, financial, and program reports as outlined below. You must comply with these reporting requirements to remain eligible for HUD

funding. See [Section VII.C.](#) of this NOFO.

Further, the Recipient hereby acknowledges that HUD is in the process of implementing new grants management and reporting tools for all records pertinent to the Federal award.

Recipient agrees to report on grant performance and financial activities (including vendor and cash disbursement supporting details for the Recipient and its Subrecipients) using these new tools when they are released and to satisfy occasional requests for records pertinent to the federal award, consistent with the requirements for recordkeeping, access to records, and reporting laid out in 2 CFR part 200, which may be amended from time to time. HUD will work with the Recipient to support its transition to the new reporting tools. HUD reserves the right to exercise all of its available rights and remedies for any noncompliance with these grants management and financial reporting requirements, to include, without limitation, requiring additional or more detailed financial reports, suspension of disbursements, and all other legally available remedies, to the furthest extent permitted by law.

Report	Description	When
Federal Funding Accountability and Transparency Act (FFATA)	<ul style="list-style-type: none"> • Awards equal to or greater than \$30,000 • Data on executive compensation and first-tier subawards • See Public Law 109-282 and 2 CFR part 170 • HUD reports initial prime recipient data to usaspending.gov • Submit via SAM.gov 	See 2 CFR Appendix A to Part 170(a)(2)(ii)
Reporting on Recipient Integrity and Performance Matters	<ul style="list-style-type: none"> • Total value of all current Federal awards exceeds \$10,000,000 for any period of time during the period of performance of this Federal award • See Appendix XII to 2 CFR 200 • Submit via SAM.gov 	See 2 CFR Appendix-XII to Part 200 I.(d)
Progress Report	<ul style="list-style-type: none"> • Summary of progress status 	

Report	Description	When
	<ul style="list-style-type: none"> • Work to be performed during the next reporting period • Any anticipated risks and plans to mitigate those risks 	
Federal Financial Report, SF-425	<ul style="list-style-type: none"> • Summary of key financial data • See 2 CFR 200.328 	See 2 CFR 200.328 or award terms
Race, Ethnicity, and Other Data Reporting	Recipients that provide HUD-funded program benefits to individuals or families, report data on the race, color, religion, sex, national origin, age, disability, and family characteristics of persons and households funded by this program	
Audited financial statement	Recipient's organizational structure, any sub-grantees or sub-recipients, and how each disbursement of grant funds was applied to an eligible cost throughout the life of the grant to receive disbursements of Federal funds.	No less than annually

VIII. CONTACT AND SUPPORT

VIII. [Contact and Support](#)

A. [Agency Contact](#)

B. [Grants.gov](#)

C. [Sam.gov](#)

D. [Debriefing](#)

E. [Applicant Experience Survey](#)

F. [Other Online Resources](#)

VIII. CONTACT AND SUPPORT

Individuals who are deaf or hard of hearing, as well as individuals who have speech or communication disabilities may use a relay service. To learn more about how to make an accessible telephone call, visit the webpage for the [Federal Communications Commission](#).

A. Agency Contact

1. Program and Application Requirements

Name: Research Partnerships

Phone: 202-402-7205

Email: researchpartnerships@hud.gov

Note: HUD's assistance is limited by the standards at [24 CFR 4.26](#).

Please note that this is a general inbox. Applications submitted through this inbox will not be accepted.

2. Paper Application Waiver Request

Name: Research Partnerships

Email: researchpartnerships@hud.gov

Phone: 202-402-4354

HUD Organization: Office of Technical Assistance

Street: 2415 Eisenhower Avenue

City: Alexandria

VA VIRGINIA

22314

HUD Reform Act. HUD is prohibited from disclosing [covered selection information](#) during the selection process. The selection process includes NOFO development and publication, and concludes with the announcement of selected recipients of financial assistance. HUD will not assist you with completing your application.

B. Grants.gov

Grants.gov provides 24/7 support. You can call 800-518-4726 or email support@grants.gov. Hold on to your ticket number.

C. SAM.gov

If you need help, you can call 866-606-8220 or live chat with the [Federal Service Desk](#).

D. Debriefing

After public announcement of awards, HUD will debrief you on your application upon your written request. Submit your written request to the [agency contact for program and application requirements](#) in this NOFO. HUD may limit the information provided to protect the

integrity of the competition.

For a period of at least 120 calendar days, beginning 30 calendar days after the public announcement of awards under this NOFO, if requested, HUD will provide a debriefing related to an applicant's submission. The AOR or the AOR's successor must submit a written request for debriefing via mail or email to the Agency Contact listed in Section VIII.A of this NOFO.

E. Applicant Experience Survey

You are encouraged to provide feedback on your application experience by completing our [Applicant Experience Survey](#). Your feedback is optional; you are not required to provide personal information. HUD may use your feedback to improve future NOFOs. Your feedback has no impact on funding decisions.

F. Other Online Resources

You are encouraged to review the [online resources](#) to learn background on some of the NOFO requirements.

Refer to <https://www.huduser.gov/portal/ota/funding-opportunities.html> for additional applicant support materials.

APPENDIX

[Appendix](#)

[Appendix I Definitions](#)

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APPENDIX

Appendix I. Definitions

1. Standard Definitions

For standard definitions not listed below, refer to [2 CFR 200.1](#).

Affirmatively Furthering Fair Housing (AFFH) - statutory obligation to affirmatively further the purposes and policies of the Fair Housing Act (see also [24 CFR 5.151](#), as amended by [90 FR 11020](#)).

Authorized Organization Representative (AOR) is the person with legal authority to: give assurances, make commitments, submit your application, and enter into agreements with HUD. They also have [special permissions](#) to act on behalf of their organization within the Grants.gov system.

E-Business Point of Contact (E-Biz POC) is [defined at Grants.gov](#).

Eligibility requirements are mandatory requirements for an application to be considered for funding.

Grants.gov is the website serving as the Federal government's central portal for searching and applying for federal financial assistance.

Historically Black Colleges and Universities (HBCUs) are any historically Black college or university included on this [list of accredited HBCUs](#).

Minority-Serving Institutions (MSIs) are

- (1) an HBCU as defined in [20 U.S.C. § 1061](#)(2) and included on this [list of accredited HBCUs](#);
- (2) a Hispanic-serving institution (as defined in [20 U.S.C. § 1101a\(5\)](#));
- (3) a Tribal College or University (as defined in [20 U.S.C. § 1059c\(b\)\(3\)](#));
- (4) an Alaska Native-serving institution or a Native Hawaiian-serving institution (as defined in [20 U.S.C. § 1059d\(b\)](#));
- (5) a Predominantly Black Institution (as defined in [20 U.S.C. § 1059e\(b\)\(6\)](#));
- (6) an Asian American and Native American Pacific Islander-serving institution (as defined in [20 U.S.C. § 1059g\(b\)\(2\)](#)); or
- (7) a Native American-serving nontribal institution (as defined in [20 U.S.C. § 1059f\(b\)\(2\)](#)).

Primary Point of Contact (PPOC) is the person HUD may contact with questions about the application submitted. The PPOC is listed in item 8F on the SF-424.

Small business is defined as a privately-owned corporation, partnership, or sole proprietorship that has fewer employees and less annual revenue than regular-sized business. The definition of "small"—in terms of being able to apply for government support and qualify for preferential tax policy—varies by country and industry. The U.S. Small Business Administration defines a small business according to a set of standards based on specific industries. See [13 CFR part 121](#).

System for Award Management (SAM) has the same meaning as in [2 CFR 25.100\(b\)](#).

Threshold Requirements are eligibility requirements you must meet before HUD rates your application for funding.

Unique Entity Identifier (UEI) has the same meaning as in [2 CFR 25.100\(a\)](#).

2. Program Definitions.

Advanced Robotics

Automated mechanical systems designed to perform construction tasks such as framing, panel assembly, or finishing in residential housing production.

Artificial Intelligence (AI) Technologies

Software systems that enable machines to perform tasks requiring human-like decision-making, such as predictive scheduling, quality control, and adaptive sequencing in housing construction.

Automation Stage

A specific step in the housing construction process identified for automation using robotics or AI technologies.

Factory-Built Housing

Housing units or components manufactured in a controlled factory environment and transported to the construction site for assembly.

Demonstration Project

A funded initiative under this NOFO that tests and evaluates the deployment of advanced robotics and/or AI technologies in residential construction.

Capital Equipment

High-value physical assets such as robotic arms, gantry systems, or 3D printing heads purchased for use in the demonstration project.

Quality Assurance/Quality Control (QA/QC)

Processes and measures implemented to ensure data integrity and reliability during the demonstration project.

Gold Standard Science

Research principles emphasizing rigor, transparency, and reproducibility, as outlined in the Executive Order on Restoring Gold Standard Science.

Scalability

The ability of a proposed robotics or AI solution to expand from a pilot or limited deployment to widespread adoption in housing construction.