



## RESOLUTION NO. U-11394

1 A RESOLUTION relating to the City of Tacoma, Department of Public Utilities,  
2 Light Division (d/b/a Tacoma Power) requesting authorization to accept a  
3 Congressionally Directed Spending Award to fund Community Electric  
4 Vehicle ("EV") Charging Incentives for business and multifamily property  
5 owners in Tacoma Power's service territory.

6 WHEREAS the FY2022 Consolidated Appropriations Act (P.L. 117-103),  
7 signed into law on March 15, 2022, included \$1,000,000 in funding for Tacoma  
8 Public Utilities EV charging program (the "Congressionally Directed Spending  
9 Award"), and

10 WHEREAS the Congressionally Directed Spending Award will bridge the  
11 gap between the funds received via the Supplemental Environmental Project  
12 Program credit revenue we anticipate funding programs in the future, and

13 WHEREAS previous funding was limited to the Tacoma City limits and  
14 Tacoma Power desires to reach customers more broadly in its service area,  
15 and

16 WHEREAS the Congressionally Directed Spending Award will provide  
17 incentives for businesses' customers who wish to provide Level 2 EV Charging  
18 for the public, condo associations and multifamily property owners who wish to  
19 include shared EV charging as an amenity for residents, and

20 WHEREAS the Congressionally Directed Spending Award increases  
21 incentives for network connected projects in our priority areas, those indicated  
22 as very low to low opportunity on the Pierce County Equity Index Map, and

23 WHEREAS all projects qualify for up to \$10,000, in utility charging  
24 infrastructure upgrades, and  
25  
26



WHEREAS in addition, projects seeking non-networked EVSE, qualify  
for \$2,000 per port (4 ports maximum) up to \$15,000, which includes a reduced  
upgrade cap of \$7,000; Now, therefore,

BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

That the Director is authorized to accept the Congressionally Directed  
Spending Award in the amount of \$1,000,000 to fund Community Electric  
Vehicle Charging Incentives, and that the Director is further granted the  
administrative authority up to \$1,000,000 for the purposes of contract execution  
related to the Congressionally Directed Spending Award.

Approved as to form:

/s/  
Chief Deputy City Attorney

Clerk

Chair

Secretary

Adopted



## Board Action Memorandum

**TO:** Jackie Flowers, Director of Utilities  
**COPY:** Charleen Jacobs, Director and Board Offices  
**FROM:** **Ray Johnson, Deputy**  
**MEETING DATE:** July 12, 2023  
**DATE:** June 27, 2023

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### **STRATEGIC DIRECTIVE ALIGNMENT (select as many that apply):**

Please indicate which of the Public Utility Board's Strategic Directives is supported by this action.

- |  |  |
|--|--|
| <input type="checkbox"/> SD1 – Equity & Inclusion                  | <input type="checkbox"/> SD8 – Telecom                                       |
| <input type="checkbox"/> SD2 – Financial Sustainability            | <input type="checkbox"/> SD9 – Economic Development                          |
| <input type="checkbox"/> SD3 – Rates                               | <input type="checkbox"/> SD10 – Government Relations                         |
| <input type="checkbox"/> SD4 – Stakeholder Engagement              | <input checked="" type="checkbox"/> SD11 – Decarbonization/Electric Vehicles |
| <input checked="" type="checkbox"/> SD5 – Environmental Leadership | <input type="checkbox"/> SD12 – Employee Relations                           |
| <input checked="" type="checkbox"/> SD6 – Innovation               | <input type="checkbox"/> SD13 – Customer Service                             |
| <input type="checkbox"/> SD7 – Reliability & Resiliency            | <input type="checkbox"/> SD14 – Resource Planning                            |

**SUMMARY:** Power Management Energy Research and Development requests authorization to accept a Congressionally Directed Spending award of \$1,000,000 to fund Community Electric Vehicle (EV) Charging incentives for business and multifamily property owners in Tacoma Power's service territory.

In addition, we request authorization for \$1,000,000 increase administrative authority to the Director for the purposes of contract execution.

This funding will bridge the gap between the funds received via a Supplemental Environmental Project in 2020 and future WA State Clean Fuels Program credit revenue we anticipate to fund programs in the future. Previous funding limited projects to the Tacoma City limits. We endeavor to reach customers more broadly across Tacoma Powers service area with this funding.

**BACKGROUND:** The FY2022 Consolidated Appropriations Act (P.L. 117-103), signed into law on March 15, 2022, included \$1,000,000 in funding for Tacoma Public Utilities EV charging program.

This funding will provide incentives for businesses customers who wish to provide Level 2 EV Charging for the public, and condo associations and multifamily property owners who wish to include shared EV charging as an amenity for residents. For network connected projects in our priority areas, those indicated as very low to low-opportunity on the Pierce County Equity Index Map, increased incentives are available. All projects qualify for up to \$10k in utility charging infrastructure upgrades. Additionally, projects seeking non-networked EVSE qualify for \$2k per port (4 ports maximum) up to \$15k, which includes a reduced upgrade cap of \$7k.



## Board Action Memorandum

<b>2023 Community EV Charging Public &amp; Multifamily (draft incentives)</b>	<b>Standard Networked EVSE Incentive</b> \$10,000 per dual port, up to \$50,000  <b>Priority Networked EVSE Incentive</b> \$20,000 per dual port, up to \$70,000  <b>All non-Networked EVSE Incentive</b> \$2,000 per single port (max 4), up to \$15,000	All Networked Incentives Includes up to \$10,000 in utility upgrades  All non-Networked Incentives Includes up to \$7,000 in utility upgrades
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**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes**

**IF THE EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW IT IS TO BE COVERED.**

Explain how expenditures are to be covered and if budget modifications are required.

**IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes**

**ATTACHMENTS:** List any attachments (contracts, policies, agreements, etc.).

- Special Terms & Conditions DE-EE0010118
- Attachment 1 – Statement of Project Objectives
- Attachment 2 – EERE 355 – Federal Assistance Reporting Checklist
- Attachment 3 – Budget Pages EE-10118
- Attachment 4 – Intellectual Property Provisions

**CONTACT:**


Primary Contact: Breanna Chance, Business Services Analyst, Principle, [bchance@cityoftacoma.org](mailto:bchance@cityoftacoma.org), 253.878.6995.

Supervisor's Name: Cam LeHouillier

Presenter (if different from primary contact): Cam LeHouillier

Additional staff requiring a Zoom presentation link:

## ASSISTANCE AGREEMENT

1. Award No. DE-EE0010118		2. Modification No. 0001		3. Effective Date 05/17/2023		4. CFDA No. 81.086	
5. Awarded To CITY OF TACOMA, DEPARTMENT OF PUBLIC UTILITI Attn: Michelle Rhubright 3628 S 35TH ST TACOMA WA 984093115			6. Sponsoring Office Energy Effcy & Renewable Energy EE-1 U.S. Department of Energy 1000 Independence Avenue, S.W. Washington DC 20585			7. Period of Performance 03/31/2023 through 07/31/2026	
8. Type of Agreement <input checked="" type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Other		9. Authority See Page 2			10. Purchase Request or Funding Document No.		
11. Remittance Address CITY OF TACOMA, DEPARTMENT OF PUBLIC UTILITI Attn: Michelle Rhubright PO BOX 1175 TACOMA WA 98401			12. Total Amount Govt. Share: \$1,000,000.00  Cost Share : \$0.00  Total : \$1,000,000.00		13. Funds Obligated This action: \$0.00  Total : \$1,000,000.00		
14. Principal Investigator		15. Program Manager BENJAMIN L. MAY Phone: 304-285-4163			16. Administrator U.S. DOE/NETL NATIONAL ENERGY TECH LAB 3610 Collins Ferry Road Morgantown WV 26505-2353		
17. Submit Payment Requests To Payment - Direct Payment from U.S. Dept of Treasury			18. Paying Office Payment - Direct Payment from U.S. Dept of Treasury			19. Submit Reports To See Attachment 2	
20. Accounting and Appropriation Data See Schedule							
21. Research Title and/or Description of Project Tacoma Public Utilities Electric Vehicle (EV) Charging Program							
For the Recipient				For the United States of America			
22. Signature of Person Authorized to Sign				25. Signature of Grants/Agreements Officer 			
23. Name and Title		24. Date Signed		26. Name of Officer Angela D. Bosley		27. Date Signed 05/17/2023	

NAME OF OFFEROR OR CONTRACTOR  
CITY OF TACOMA, DEPARTMENT OF PUBLIC UTILITIES, LIGHT DIVISION

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>UEI: DULRGBCMMWH5</p> <p>*****</p> <p>*****</p> <p>Authority:</p> <p>Public Law (PL) 95-91 DOE Organization Act, as amended; PL 109-58 Energy Policy Act 2005, as amended; PL 117-103 Consolidated Appropriations Act 2022, Division D-Energy and Water Development and Related Agencies Appropriations Act, 2022, Title III- Department of Energy, Energy Efficiency and Renewable Energy.</p> <p>Project/Budget Period: 03/31/2023 - 07/31/2026</p> <p>DOE Award Administrator: Lisa Simon-Parker Email: Lisa.SimonParker@netl.doe.gov Phone: 541-918-4410</p> <p>Recipient Principal Investigation/Business Point of Contact: Breanna Chance Email: bchance@cityoftacoma.org Phone: 253.878.6995</p> <p>ASAP: YES Extent Competed: NOT COMPETED Davis-Bacon Act: NO PI: Breanna Chance</p>				



The purpose of this amendment is to make an administrative adjustment to the unique entity identifier (UEI). Accordingly, the award is amended as follows:

1. As reflected on Page 2 of the Assistance Agreement, the Recipient's UEI is hereby changed from F7FKDMJAXTP5 to **DULRGCMMWH5** which results in the Recipient's name changing from TACOMA PUBLIC UTILITIES to CITY OF TACOMA, DEPARTMENT OF PUBLIC UTILITIES, LIGHT DIVISION in the following locations:
  - Blocks 5 and 11 of the Assistance Agreement Form
  - Attachment 1, Statement of Project Objectives
  - Block 3 in Attachment 2, Federal Assistance Reporting Checklist, and
  - Applicant Name field in Attachment 3, Budget Page(s)
  - Attachment 4, Intellectual Property Provisions
  - Special Terms and Conditions
2. As reflected in Block 11 of the Assistance Agreement Form, the Remittance Address is changed TACOMA PUBLIC UTILITIES, to CITY OF TACOMA, DEPARTMENT OF PUBLIC UTILITIES, LIGHT DIVISION.
3. All other terms and conditions remain unchanged and in full force and effect.

END OF AMENDMENT 0001



## **Attachment 1 - Statement of Project Objectives**

### **Tacoma Public Utilities (Tacoma Power) Electric Vehicle (EV) Charging Program**

#### **A. OBJECTIVES**

The objective of the project is to execute a rebate program that incentivizes electric vehicle (EV) charging station installations for businesses and multifamily property owners in communities served by Tacoma Public Utilities (Tacoma Power).

#### **B. SCOPE OF WORK**

The Recipient will execute public and multifamily EV Charging Rebate Programs.

#### **C. TASKS TO BE PERFORMED**

##### **Task 0.1- Kick-Off Meeting:**

The Recipient will participate in a project kickoff meeting with the DOE within 30 days of project initiation.

**Task 1.0 – Conduct Rebate Program:** The Recipient will provide rebates for new EV charging installations as well as utility service upgrades to support the installations in accordance with the

- Tacoma Public Utilities Public Electric Vehicle Charging Program, see [Public Electric Vehicle Charging - Tacoma Public Utilities \(mytpu.org\)](https://mytpu.org).
- Tacoma Public Utilities Multifamily Electric Vehicle Charging Program, see [Multifamily Dwelling EV Charging – Tacoma Public Utilities \(Tacoma Power\)](#)

#### **D. SOPO DELIVERABLES (see also Attachment 2 Reporting Requirements)**

In addition to the reports specified in the "Federal Assistance Reporting Checklist", the Recipient will provide the following to the DOE Project Officer (identified in Block 15 of the Assistance Agreement as the Program Manager) no later than 5 days after completion unless otherwise specified.

- Quarterly Summary Report for statistics on rebates issued. DOE Project Officer to provide template for report deliverable.

#### **E. BRIEFINGS AND TECHNICAL PRESENTATIONS**

None Identified.

Applicant Name: TACOMA PUBLIC UTILITIES

Award Number: DE-EE0010118

Attachment 3

## Budget Information - Non Construction Programs

OMB Approval No. 0348-0044

Section A - Budget Summary						
Grant Program Function or Activity  (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Conserv Rearch & Develop	81.086			\$1,000,000	\$0	\$1,000,000
2.						\$0
3.						\$0
4.						\$0
5. Totals		\$0	\$0	\$1,000,000	\$0	\$1,000,000
Section B - Budget Categories						
6. Object Class Categories		Grant Program, Function or Activity				Total (5)
		(1) Budget Period 1	(2)	(3)	(4)	
a. Personnel		\$0				\$0
b. Fringe Benefits		\$0				\$0
c. Travel		\$0				\$0
d. Equipment		\$0				\$0
e. Supplies		\$0				\$0
f. Contractual		\$0				\$0
g. Construction		\$0				\$0
h. Other		\$1,000,000				\$1,000,000
i. Total Direct Charges (sum of 6a-6h)		\$1,000,000	\$0	\$0	\$0	\$1,000,000
j. Indirect Charges		\$0				\$0
k. Totals (sum of 6i-6j)		\$1,000,000	\$0	\$0	\$0	\$1,000,000
7. Program Income						\$0

Previous Edition Usable

**SF-424A** (Rev. 4-92)  
Prescribed by OMB Circular A-102

Section C - Non-Federal Resources					
(a) Grant Program	(b) Applicant	(c ) State	(d) Other Sources	(e) Totals	
8. Conservation Research and Development				\$0	
9.				\$0	
10.				\$0	
11.				\$0	
12. Total (sum of lines 8 - 11)	\$0	\$0	\$0	\$0	
Section D - Forecasted Cash Needs					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th quarter
13. Federal	\$307,692	\$76,923	\$76,923	\$76,923	\$76,923
14. Non-Federal	\$0				
15. Total (sum of lines 13 and 14)	\$307,692	\$76,923	\$76,923	\$76,923	\$76,923
Section E - Budget Estimates of Federal Funds Needed for Balance of the Project					
(a) Grant Program	Future Funding Periods (Years)				
	(b) First	(c ) Second	(d) Third	(e) Fourth	
16.	\$325,000	\$367,308			
17.					
18.					
19.					
20. Total (sum of lines 16-19)	\$325,000	\$367,308	\$0	\$0	
Section F - Other Budget Information					
21. Direct Charges	\$1,000,000	22. Indirect Charges	\$0		
23. Remarks					

### Instructions for the SF-424A

Public Reporting Burden for this collection of information is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Please do not return your completed form to the Office of Management and Budget; send it to the address provided by the sponsoring agency.

#### General Instructions

This form is designed so that application can be made for funds from one or more grant programs. In preparing the budget, adhere to any existing Federal grantor agency guidelines which prescribe how and whether budgeted amounts should be separately shown for different functions or activities within the program. For some programs, grantor agencies may require budgets to be separately shown by function or activity. For other programs, grantor agencies may require a breakdown by function or activity. Sections A, B, C, and D should include budget estimates for the whole project except when applying for assistance which requires Federal authorization in annual or other funding period increments. In the later case, Sections A, B, C, and D should provide the budget for the first budget period (usually a year) and Section E should present the need for Federal assistance in the subsequent budget periods. All applications should contain a breakdown by the object class categories shown in Lines a-k of Section B.

#### Section A. Budget Summary Lines 1-4 Columns (a) and (b)

For applications pertaining to a **single** Federal grant program (Federal Domestic Assistance Catalog number) and **not requiring** a functional or activity breakdown, enter on Line 1 under Column (a) the catalog program title and the catalog number in Column (b).

For applications pertaining to a **single** program **requiring** budget amounts by multiple functions or activities, enter the name of each activity or function on each line in Column (a), and enter the catalog number in Column (b). For applications pertaining to multiple programs where none of the programs require a breakdown by function or activity, enter the catalog program title on each line in **Column** (a) and the respective catalog number on each line in Column (b).

For applications pertaining to **multiple** programs where one or more programs **require** a breakdown by function or activity, prepare a separate sheet for each program requiring the breakdown. Additional sheets should be used when one form does not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

#### Lines 1-4, Columns (c) through (g)

**For new applications**, leave Columns (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (e), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

**For continuing grant program applications**, submit these forms before the end of each funding period as required by the grantor agency. Enter in Columns (c) and (d) the estimated amounts of funds which will remain unobligated at the end of the grant funding period only if the Federal grantor agency instructions provide for this. Otherwise, leave these columns blank. Enter in columns (e) and (f) the amounts of funds needed for the upcoming period. The amount(s) in Column (g) should be the sum of amounts in Columns (e) and (f).

**For supplemental grants and changes** to existing grants, do not use Columns (c) and (d). Enter in Column (e) the amount of the increase or decrease of Federal funds and enter in Column (f) the amount of the increase or decrease of non-Federal funds. In Column (g) enter the new total budgeted amount (Federal and non-Federal) which includes the total previous authorized budgeted amounts plus or minus, as appropriate, the amounts shown in Columns (e) and (f). The amount(s) in Column (g) should not equal the sum of amounts in Columns (e) and (f).

**Line 5**—Show the totals for all columns used.

#### Section B. Budget Categories

In the column headings (a) through (4), enter the titles of the same programs, functions, and activities shown on Lines 1-4, Column (a), Section A. When additional sheets are prepared for Section A, provide similar column headings on each sheet. For each program, function or activity, fill in the total requirements for funds (both Federal and non-Federal) by object class categories.

**Lines 6a-i**—Show the totals of Lines 6a to 6h in each column.

**Line 6j**—Show the amount of indirect cost.

**Line 6k**—Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

**Line 7**—Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount. Show under the program narrative statement the nature and source of income. The estimated amount of program income may be considered by the federal grantor agency in determining the total amount of the grant.

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**Section C. Non-Federal Resources**

**Lines 8-11**—Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

**Column (a)**—Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

**Column (b)**—Enter the contribution to be made by the applicant.

**Column (c)**—Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.

**Column (d)**—Enter the amount of cash and in-kind contributions to be made from all other sources.

**Column (e)**—Enter totals of Columns (b), (c), and (d).

**Line 12**—Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f) Section A.

**Section D. Forecasted Cash Needs**

**Line 13**—Enter the amount of cash needed by quarter from the grantor agency during the first year.

**Line 14**—Enter the amount of cash from all other sources needed by quarter during the first year.

**Line 15**—Enter the totals of amounts on Lines 13 and 14.

**Section E. Budget Estimates of Federal Funds Needed for Balance of the Project**

**Lines 16-19**—Enter in Column (a) the same grant program titles shown in Column (a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants. If more than four lines are needed to list the program titles, submit additional schedules as necessary.

**Line 20**—Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

**Section F. Other Budget Information**

**Line 21**—Use this space to explain amounts for individual direct object-class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

**Line 22**—Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

**Line 23**—Provide any other explanations or comments deemed necessary.





February 2, 2023

Department of Energy

Attachment 4

**Standard Intellectual Property (IP) Provisions for Financial Assistance  
Awards issued ON OR AFTER October 1, 2021**

<b>Recipient Name</b>	TACOMA PUBLIC UTILITIES
<b>Award Number</b>	DE-EE0010118
<b>Type of Award</b>	Grant
<b>Type of Project</b>	Non-R&D
<b>Type of Recipient</b>	Large Business, Government Entity or Foreign
<b>US Manufacture/DEC</b>	US Comp. (S&E DEC)
<b>Patent Waiver</b>	No
<b>Special Data Statute</b>	None -- No Special Data (Unlimited Rights)

<b>Supplemental Instructions</b>	None
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<b>DOE IP Clause Number</b>	NRD-821-US
<b>Data Rights</b>	No Data Clause
<b>Patent Rights</b>	No Patent Clause
<b>USM Requirements</b>	No Patent Clause

**Provisions**

The recipient and any subrecipients are subject to the U.S. Competitiveness Provision set forth herein that requires products embodying or made through a Subject Invention be substantially manufactured in the U.S. Implementation of the U.S. Competitiveness Provision for domestic small businesses and nonprofits is through the Determination of Exceptional Circumstances (DEC) under the Bayh-Dole Act to Further Promote Domestic Manufacture of DOE Science and Energy Technologies executed by DOE on June 7, 2021. A copy of the DEC is available at <https://www.energy.gov/gc/determination-exceptional-circumstances-decs>. For all other types of entities, the implementation of the U.S. Competitiveness Provision is through DOE patent waivers and policy.

In reading these provisions, any reference to “contractor” shall mean “recipient,” and any reference to “contract” or “subcontract” shall mean “award” or “subaward.”

Failure to comply with the terms of the agreement may result in a loss of rights in Subject Inventions, including, but not limited to, forfeiture of retained rights. All Subject Inventions (conceived or first actually reduced to practice in the performance of the above identified agreement) must be timely reported at <https://www.nist.gov/iedison>. Invention reporting is required regardless of any patent protection sought or the subject matter (e.g. software invention). Any manuscript describing the invention for publication or of any on sale or public use planned for an invention must be promptly reported through iEdison. For assistance with iEdison, please contact [iedison@nist.gov](mailto:iedison@nist.gov). For assistance regarding DOE's administration of Subject Inventions or patents, please contact Intellectual Property Law (IPL) at (630) 283-7117 or [Chicago-IP@science.doe.gov](mailto:Chicago-IP@science.doe.gov).



February 2, 2023

## **Department of Energy**

Intellectual property rights are subject to 2 CFR 200.315 (e.g. institution of higher education or nonprofit organizations) or 2 CFR 910.362 (e.g. for-profit).



## Special Terms and Conditions

Tacoma Public Utilities (“Recipient”), which is identified in Block 5 of the Assistance Agreement, and the Office of Energy Efficiency and Renewable Energy (“EERE”), an office within the United States Department of Energy (“DOE”), enter into this Award, referenced above, to achieve the project objectives and the technical milestones and deliverables stated in Attachment 1 to this Award.

This Award consists of the following documents, including all terms and conditions therein:

	Assistance Agreement
Attachment 0	Special Terms and Conditions
Attachment 1	Statement of Project Objectives and Milestone Summary Table
Attachment 2	Federal Assistance Reporting Checklist and Instructions
Attachment 3	Budget Information SF-424A
Attachment 4	Intellectual Property Provisions

The following are incorporated into this Award by reference:

- DOE Assistance Regulations, 2 CFR part 200 as amended by 2 CFR part 910 at <http://www.eCFR.gov>.
- Research Terms & Conditions (November 12, 2020) and the DOE Agency Specific Requirements (November 2020) at <http://www.nsf.gov/awards/managing/rtc.jsp>. Applicable if the Award is for research and the Award is to a university or non-profit.
- National Policy Requirements (November 12, 2020) at <http://www.nsf.gov/awards/managing/rtc.jsp>.
- The Recipient’s application/proposal as approved by EERE.

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## **Subpart A. General Provisions**

### **Term 1. Legal Authority and Effect**

A DOE financial assistance award is valid only if it is in writing and is signed, either in writing or electronically, by a DOE Contracting Officer.

The Recipient may accept or reject the Award. A request to draw down DOE funds or acknowledgement of award documents by the Recipient's authorized representative through electronic systems used by DOE, specifically FedConnect, constitutes the Recipient's acceptance of the terms and conditions of this Award. Acknowledgement via FedConnect by the Recipient's authorized representative constitutes the Recipient's electronic signature.

### **Term 2. Flow Down Requirement**

The Recipient agrees to apply the terms and conditions of this Award, as applicable, including the Intellectual Property Provisions, to all subrecipients (and subcontractors, as appropriate), as required by 2 CFR 200.101, and to require their strict compliance therewith. Further, the Recipient must apply the Award terms as required by 2 CFR 200.327 to all subrecipients (and subcontractors, as appropriate), and to require their strict compliance therewith.

### **Term 3. Compliance with Federal, State, and Municipal Law**

The Recipient is required to comply with applicable Federal, state, and local laws and regulations for all work performed under this Award. The Recipient is required to obtain all necessary Federal, state, and local permits, authorizations, and approvals for all work performed under this Award.

### **Term 4. Inconsistency with Federal Law**

Any apparent inconsistency between Federal statutes and regulations and the terms and conditions contained in this Award must be referred to the DOE Award Administrator for guidance.

### **Term 5. Federal Stewardship**

EERE will exercise normal Federal stewardship in overseeing the project activities performed under this Award. Stewardship activities include, but are not limited to, conducting site visits; reviewing performance and financial reports; providing technical assistance and/or temporary intervention in unusual circumstances to address deficiencies that develop during the project; assuring compliance with terms and conditions; and reviewing technical performance after project completion to ensure that the project objectives have been accomplished.

### **Term 6. Federal Involvement**

#### **A. Review Meetings**

The Recipient, including but not limited to, the principal investigator (or, if

applicable, co-principal investigators), is required to participate in periodic review meetings with EERE. Review meetings enable EERE to assess the work performed under this Award and determine whether the Recipient has timely achieved the technical milestones and deliverables stated in Attachment 1 to this Award.

EERE shall determine the frequency of review meetings and select the day, time, and location of each review meeting and shall do so in a reasonable and good faith manner. EERE will provide the Recipient with reasonable notice of the review meetings.

For each review meeting, the Recipient is required to provide a comprehensive overview of the project, including:

- The Recipient's technical progress compared to the Milestone Summary Table stated in Attachment 1 to this Award.
- The Recipient's actual expenditures compared to the approved budget in Attachment 3 to this Award.
- Other subject matter specified by the DOE Technology Manager/Project Officer.

#### **B. Project Meetings**

The Recipient is required to notify EERE in advance of scheduled tests and internal project meetings that would entail discussion of topics that could result in major changes to the baseline project technical scope/approach, cost, or schedule. Upon request by EERE, the Recipient is required to provide EERE with reasonable access (by telephone, webinar, or otherwise) to the tests and project meetings. The Recipient is not expected to delay any work under this Award for the purpose of government insight.

#### **C. Site Visits**

EERE's authorized representatives have the right to make site visits at reasonable times to review project accomplishments and management control systems and to provide technical assistance, if required. The Recipient must provide, and must require subrecipients to provide, reasonable access to facilities, office space, resources, and assistance for the safety and convenience of the government representatives in the performance of their duties. All site visits and evaluations must be performed in a manner that does not unduly interfere with or delay the work.

#### **D. Technical Milestones and Deliverables**

Attachment 1 to this Award establishes technical milestones and deliverables. If the Recipient fails to achieve two or more technical milestones and deliverables, EERE may renegotiate the Statement of Project Objectives and/or Milestone Summary Table in Attachment 1 to this Award. In the alternative, EERE may deem the

Recipient's failure to achieve these technical milestones and deliverables to be material noncompliance with the terms and conditions of this Award and take action to suspend or terminate the Award.

**E. EERE Access**

The Recipient must provide any information, documents, site access, or other assistance requested by EERE for the purpose of its Federal stewardship or substantial involvement.

**Term 7. NEPA Requirements**

DOE must comply with the National Environmental Policy Act (NEPA) prior to authorizing the use of Federal funds. Based on all information provided by the Recipient, EERE has made a NEPA determination by issuing a categorical exclusion (CX) for all activities listed in the Statement of Project Objectives (SOPO) approved by the Contracting Officer and the DOE NEPA Determination. The Recipient is thereby authorized to use Federal funds for the defined project activities, except where such activity is subject to a restriction set forth elsewhere in this Award.

This authorization is specific to the project activities and locations as described in the SOPO approved by the Contracting Officer and the DOE NEPA Determination.

***If the Recipient later intends to add to or modify the activities or locations*** as described in the approved SOPO and the DOE NEPA Determination, those new activities/locations or modified activities/locations are subject to additional NEPA review and are not authorized for Federal funding until the Contracting Officer provides written authorization on those additions or modifications. Should the Recipient elect to undertake activities or change locations prior to written authorization from the Contracting Officer, the Recipient does so at risk of not receiving Federal funding for those activities, and such costs may not be recognized as allowable cost share.

**Term 8. Performance of Work in United States**

**A. Requirement**

All work performed under this Award must be performed in the United States unless the Contracting Officer provides a waiver. This requirement does not apply to the purchase of supplies and equipment; however, the Recipient should make every effort to purchase supplies and equipment within the United States. The Recipient must flow down this requirement to its subrecipients.

**B. Failure to Comply**

If the Recipient fails to comply with the Performance of Work in the United States requirement, the Contracting Officer may deny reimbursement for the work conducted outside the United States and such costs may not be recognized as

allowable Recipient cost share regardless if the work is performed by the Recipient, subrecipients, vendors or other project partners.

**C. Waiver for Work Outside the U.S.**

All work performed under this Award must be performed in the United States. However, the Contracting Officer may approve the Recipient to perform a portion of the work outside the United States under limited circumstances. The Recipient must obtain a waiver from the Contracting Officer prior to conducting any work outside the U.S. To request a waiver, the Recipient must submit a written waiver request to the Contracting Officer, which includes the information as required in the FOA that the Award was selected under.

For the rationale, the Recipient must demonstrate to the satisfaction of the Contracting Officer that the performance of work outside the United States would further the purposes of the FOA that the Award was selected under and is in the economic interests of the United States. The Contracting Officer may require additional information before considering such request.

**Term 9. Notice Regarding the Purchase of American-Made Equipment and Products – Sense of Congress**

It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under this Award should be American-made.

**Term 10. Reporting Requirements**

**A. Requirements**

The reporting requirements for this Award are identified on the Federal Assistance Reporting Checklist, attached to this Award. Failure to comply with these reporting requirements is considered a material noncompliance with the terms of the Award. Noncompliance may result in withholding of future payments, suspension, or termination of the current award, and withholding of future awards. A willful failure to perform, a history of failure to perform, or unsatisfactory performance of this and/or other financial assistance awards, may also result in a debarment action to preclude future awards by Federal agencies.

**B. Dissemination of Scientific and Technical Information**

Scientific and Technical Information (STI) generated under this Award will be submitted to DOE via the Office of Scientific and Technical Information's Energy Link ([E-Link](#)) system. STI submitted under this Award will be disseminated via DOE's [OSTI.gov](#) website subject to approved access limitations. Citations for journal articles produced under the Award will appear on the [DOE PAGES](#) website.

**C. Restrictions**

Scientific and Technical Information submitted to E-Link must not contain any Protected Personal Identifiable Information (PII), limited rights data (proprietary data), classified information, information subject to export control classification, or other information not subject to release.

### **Term 11. Lobbying**

By accepting funds under this Award, the Recipient agrees that none of the funds obligated on the Award shall be expended, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. § 1913. This restriction is in addition to those prescribed elsewhere in statute and regulation.

### **Term 12. Publications**

The Recipient is required to include the following acknowledgement in publications arising out of, or relating to, work performed under this Award, whether copyrighted or not:

- *Acknowledgment:* “This material is based upon work supported by the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy (EERE) under the EERE Building Technology Office, Award Number DE-EE0010118.”
- *Full Legal Disclaimer:* “This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.”

*Abridged Legal Disclaimer:* “The views expressed herein do not necessarily represent the views of the U.S. Department of Energy or the United States Government.”

Recipients should make every effort to include the full Legal Disclaimer. However, in the event that recipients are constrained by formatting and/or page limitations set by the publisher, the abridged Legal Disclaimer is an acceptable alternative.

The Award may be subject to a Data Management Plan as part of the Intellectual Property clause set that explains how data generated in the course of the work performed under this Award will be shared or preserved or, when justified, explains why data sharing or preservation is not possible or scientifically appropriate.



### **Term 13. No-Cost Extension**

As provided in 2 CFR 200.308, the Recipient must provide the Contracting Officer with notice in advance if it intends to utilize a one-time, no-cost extension of this Award. The notification must include the supporting reasons and the revised period of performance. The Recipient must submit this notification in writing to the Contracting Officer and DOE Technology Manager/ Project Officer at least 30 days before the end of the current budget period.

Any no-cost extension will not alter the project scope, milestones, deliverables, or budget of this Award.

### **Term 14. Property Standards**

The complete text of the Property Standards can be found at 2 CFR 200.310 through 200.316. Also see 2 CFR 910.360 for additional requirements for real property and equipment for For-Profit recipients.

### **Term 15. Insurance Coverage**

See 2 CFR 200.310 for insurance requirements for real property and equipment acquired or improved with Federal funds. Also see 2 CFR 910.360(d) for additional requirements for real property and equipment for For-Profit recipients.

### **Term 16. Real Property**

Subject to the conditions set forth in 2 CFR 200.311, title to real property acquired or improved under a Federal award will conditionally vest upon acquisition in the non-Federal entity. The non-Federal entity cannot encumber this property and must follow the requirements of 2 CFR 200.311 before disposing of the property.

Except as otherwise provided by Federal statutes or by the Federal awarding agency, real property will be used for the originally authorized purpose as long as needed for that purpose. When real property is no longer needed for the originally authorized purpose, the non-Federal entity must obtain disposition instructions from DOE or pass-through entity. The instructions must provide for one of the following alternatives: (1) retain title after compensating DOE as described in 2 CFR 200.311(c)(1); (2) Sell the property and compensate DOE as specified in 2 CFR 200.311(c)(2); or (3) transfer title to DOE or to a third party designated/approved by DOE as specified in 2 CFR 200.311(c)(3).

See 2 CFR 200.311 for additional requirements pertaining to real property acquired or improved under a Federal award. Also see 2 CFR 910.360 for additional requirements for real property for For-Profit recipients.

### **Term 17. Equipment**

Subject to the conditions provided in 2 CFR 200.313, title to equipment (property) acquired under a Federal award will conditionally vest upon acquisition with the non-Federal entity. The non-Federal entity cannot encumber this property and must follow the requirements of 2 CFR 200.313 before disposing of the property.

A state must use equipment acquired under a Federal award by the state in accordance with state laws and procedures.

Equipment must be used by the non-Federal entity in the program or project for which it was acquired as long as it is needed, whether or not the project or program continues to be supported by the Federal award. When no longer needed for the originally authorized purpose, the equipment may be used by programs supported by DOE in the priority order specified in 2 CFR 200.313(c)(1)(i) and (ii).

Management requirements, including inventory and control systems, for equipment are provided in 2 CFR 200.313(d).

When equipment acquired under a Federal award is no longer needed, the non-Federal entity must obtain disposition instructions from DOE or pass-through entity.

Disposition will be made as follows: (1) items of equipment with a current fair market value of \$5,000 or less may be retained, sold, or otherwise disposed of with no further obligation to DOE; (2) Non-Federal entity may retain title or sell the equipment after compensating DOE as described in 2 CFR 200.313(e)(2); or (3) transfer title to DOE or to an eligible third party as specified in 2 CFR 200.313(e)(3).

See 2 CFR 200.313 for additional requirements pertaining to equipment acquired under a Federal award. Also see 2 CFR 910.360 for additional requirements for equipment for For-Profit recipients. See also 2 CFR 200.439 Equipment and other capital expenditures.

### **Term 18. Supplies**

See 2 CFR 200.314 for requirements pertaining to supplies acquired under a Federal award. See also 2 CFR 200.453 Materials and supplies costs, including costs of computing devices.

### **Term 19. Property Trust Relationship**

Real property, equipment, and intangible property, that are acquired or improved with a Federal award must be held in trust by the non-Federal entity as trustee for the beneficiaries of the project or program under which the property was acquired or improved. See 2 CFR 200.316 for additional requirements pertaining to real property, equipment, and intangible property acquired or improved under a Federal award.

### **Term 20. Record Retention**

Consistent with 2 CFR 200.334 through 200.338, the Recipient is required to retain records

relating to this Award.

## **Term 21. Audits**

### **A. Government-Initiated Audits**

The Recipient must provide any information, documents, site access, or other assistance requested by EERE, DOE or Federal auditing agencies (e.g., DOE Inspector General, Government Accountability Office) for the purpose of audits and investigations. Such assistance may include, but is not limited to, reasonable access to the Recipient's records relating to this Award.

Consistent with 2 CFR part 200 as amended by 2 CFR part 910, DOE may audit the Recipient's financial records or administrative records relating to this Award at any time. Government-initiated audits are generally paid for by DOE.

DOE may conduct a final audit at the end of the project period (or the termination of the Award, if applicable). Upon completion of the audit, the Recipient is required to refund to DOE any payments for costs that were determined to be unallowable. If the audit has not been performed or completed prior to the closeout of the award, DOE retains the right to recover an appropriate amount after fully considering the recommendations on disallowed costs resulting from the final audit.

DOE will provide reasonable advance notice of audits and will minimize interference with ongoing work, to the maximum extent practicable.

### **B. Annual Independent Audits (Single Audit or Compliance Audit)**

The Recipient must comply with the annual independent audit requirements in 2 CFR 200.500 through .521 for institutions of higher education, nonprofit organizations, and state and local governments (Single audit), and 2 CFR 910.500 through .521 for for-profit entities (Compliance audit).

The annual independent audits are separate from Government-initiated audits discussed in part A. of this Term and must be paid for by the Recipient. To minimize expense, the Recipient may have a Compliance audit in conjunction with its annual audit of financial statements. The financial statement audit is **not** a substitute for the Compliance audit. If the audit (Single audit or Compliance audit, depending on Recipient entity type) has not been performed or completed prior to the closeout of the award, DOE may impose one or more of the actions outlined in 2 CFR 200.339, Remedies for Noncompliance.

## **Subpart B. Financial Provisions**

## **Term 22. Maximum Obligation**

The maximum obligation of DOE for this Award is the total “Funds Obligated” stated in Block 13 of the Assistance Agreement to this Award.

## **Term 23. Refund Obligation**

The Recipient must refund any excess payments received from EERE, including any costs determined unallowable by the Contracting Officer. Upon the end of the project period (or the termination of the Award, if applicable), the Recipient must refund to EERE the difference between (1) the total payments received from EERE, and (2) the Federal share of the costs incurred. Refund obligations under this Term do not supersede the annual reconciliation or true up process if specified under the Indirect Cost Term.

## **Term 24. Allowable Costs**

EERE determines the allowability of costs through reference to 2 CFR part 200 as amended by 2 CFR part 910. All project costs must be allowable, allocable, and reasonable. The Recipient must document and maintain records of all project costs, including, but not limited to, the costs paid by Federal funds, costs claimed by its subrecipients and project costs that the Recipient claims as cost sharing, including in-kind contributions. The Recipient is responsible for maintaining records adequate to demonstrate that costs claimed have been incurred, are reasonable, allowable and allocable, and comply with the cost principles. Upon request, the Recipient is required to provide such records to EERE. Such records are subject to audit. Failure to provide EERE adequate supporting documentation may result in a determination by the Contracting Officer that those costs are unallowable.

The Recipient is required to obtain the prior written approval of the Contracting Officer for any foreign travel costs.

## **Term 25. Indirect Costs**

### **A. Indirect Cost Allocation: Reserved**

### **B. Fringe Cost Allocation: Reserved**

### **C. Subrecipient Indirect Costs (If Applicable):**

The Recipient must ensure its subrecipient’s indirect costs are appropriately managed, have been found to be allowable, and comply with the requirements of this Award and 2 CFR Part 200 as amended by 2 CFR Part 910.

### **D. Indirect Cost Stipulations:**

#### **i. Modification to Indirect Cost Billing Rates**

EERE will not modify this Award solely to provide additional funds to cover increases in the Recipient’s indirect cost billing rate(s). Adjustments to the

indirect cost billing rates must be approved by the Recipient's Cognizant Agency or Cognizant Federal Agency Official.

The Recipient must provide a copy of an updated NICRA or indirect rate proposal to the DOE Award Administrator in order to increase indirect cost billing rates. If the Contracting Officer provides prior written approval, the Recipient may incur an increase in the indirect cost billing rates. Reimbursement will be limited by the budgeted dollar amount for indirect costs for each budget period as shown in Attachment 3 to this Award.

**ii. Award Closeout**

The closeout of the DOE award does not affect (1) the right of the DOE to disallow costs and recover funds on the basis of a later audit or other review; (2) the requirement for the Recipient to return any funds due as a result of later refunds, corrections or other transactions including final indirect cost billing rate adjustments; and (3) the ability of the DOE to make financial adjustments to a previously closed award resolving indirect cost payments and making final payments.

**Term 26. Use of Program Income**

If the Recipient earns program income during the project period as a result of this Award, the Recipient must add the program income to the funds committed to the Award and used to further eligible project objectives.

**Term 27. Payment Procedures**

**A. Method of Payment**

Payment will be made by advances through the Department of Treasury's ASAP system.

**A. Requesting Advances**

Requests for advances must be made through the ASAP system. The Recipient may submit requests as frequently as required to meet its needs to disburse funds for the Federal share of project costs. If feasible, the Recipient should time each request so that the Recipient receives payment on the same day that the Recipient disburses funds for direct project costs and the proportionate share of any allowable indirect costs. If same-day transfers are not feasible, advance payments must be as close to actual disbursements as administratively feasible.

**B. Adjusting Payment Requests for Available Cash**

The Recipient must disburse any funds that are available from repayments to and interest earned on a revolving fund, program income, rebates, refunds, contract

settlements, audit recoveries, credits, discounts, and interest earned on any of those funds before requesting additional cash payments from EERE.

**C. Payments**

All payments are made by electronic funds transfer to the bank account identified on the Bank Information Form that the Recipient filed with the U.S. Department of Treasury.

**D. Unauthorized Drawdown of Federal Funds**

For each budget period, the Recipient may not spend more than the Federal share authorized to that particular budget period, without specific written approval from the Contracting Officer. The Recipient must immediately refund EERE any amounts spent or drawn down in excess of the authorized amount for a budget period. The Recipient and subrecipients shall promptly, but at least quarterly, remit to DOE interest earned on advances drawn in excess of disbursement needs, and shall comply with the procedure for remitting interest earned to the Federal government per 2 CFR 200.305, as applicable.

**Term 28. Budget Changes**

**A. Budget Changes Generally**

The Contracting Officer has reviewed and approved the SF-424A in Attachment 3 to this Award.

Any increase in the total project cost, whether DOE share or Cost Share, which is stated as "Total" in Block 12 to the Assistance Agreement of this Award, must be approved in advance and in writing by the Contracting Officer.

Any change that alters the project scope, milestones or deliverables requires prior written approval of the Contracting Officer. EERE may deny reimbursement for any failure to comply with the requirements in this term.

**B. Transfers of Funds Among Direct Cost Categories**

The Recipient is required to obtain the prior written approval of the Contracting Officer for any transfer of funds among direct cost categories where the cumulative amount of such transfers exceeds or is expected to exceed 10 percent of the total project cost, which is stated as "Total" in Block 12 to the Assistance Agreement of this Award.

The Recipient is required to notify the DOE Technology Manager/Project Officer of any transfer of funds among direct cost categories where the cumulative amount of such transfers is equal to or below 10 percent of the total project cost, which is stated as "Total" in Block 12 to the Assistance Agreement of this Award.

**C. Transfer of Funds Between Direct and Indirect Cost Categories**

The Recipient is required to obtain the prior written approval of the Contracting Officer for any transfer of funds between direct and indirect cost categories. If the Recipient's actual allowable indirect costs are less than those budgeted in Attachment 3 to this Award, the Recipient may use the difference to pay additional allowable direct costs during the project period so long as the total difference is less than 10% of total project costs and the difference is reflected in actual requests for reimbursement to DOE.

**Subpart C. Miscellaneous Provisions**

**Term 29. Environmental, Safety and Health Performance of Work at DOE Facilities**

With respect to the performance of any portion of the work under this Award which is performed at a DOE -owned or controlled site, the Recipient agrees to comply with all State and Federal Environmental, Safety and Health (ES&H) regulations and with all other ES&H requirements of the operator of such site.

Prior to the performance on any work at a DOE-owned or controlled site, the Recipient shall contact the site facility manager for information on DOE and site-specific ES&H requirements.

The Recipient is required apply this provision to its subrecipients and contractors.

**Term 30. Insolvency, Bankruptcy or Receivership**

- A. The Recipient shall immediately, but no later than five days, notify EERE of the occurrence of any of the following events: (1) the Recipient or the Recipient's parent's filing of a voluntary case seeking liquidation or reorganization under the Bankruptcy Act; (2) the Recipient's consent to the institution of an involuntary case under the Bankruptcy Act against the Recipient or the Recipient's parent; (3) the filing of any similar proceeding for or against the Recipient or the Recipient's parent, or the Recipient's consent to the dissolution, winding-up or readjustment of its debts, appointment of a receiver, conservator, trustee, or other officer with similar powers over the Recipient, under any other applicable state or Federal law; or (4) the Recipient's insolvency due to its inability to pay debts generally as they become due.
- B. Such notification shall be in writing and shall: (1) specifically set out the details of the occurrence of an event referenced in paragraph A; (2) provide the facts surrounding that event; and (3) provide the impact such event will have on the project being funded by this Award.

- C. Upon the occurrence of any of the four events described in paragraph A. of this term, EERE reserves the right to conduct a review of the Recipient's Award to determine the Recipient's compliance with the required elements of the Award (including such items as cost share, progress towards technical project objectives, and submission of required reports). If the EERE review determines that there are significant deficiencies or concerns with the Recipient's performance under the Award, EERE reserves the right to impose additional requirements, as needed, including (1) change of payment method; or (2) institute payment controls.
- D. Failure of the Recipient to comply with this term may be considered a material noncompliance of this Award by the Contracting Officer.

## **Term 31. Reporting Subawards and Executive Compensation**

### **A. Reporting of first-tier subawards**

- i. *Applicability.* Unless the Recipient is exempt as provided in paragraph D. of this award term, the Recipient must report each action that equals or exceeds \$30,000 in Federal funds for a subaward to an entity (see definitions in paragraph E. of this award term).
- ii. *Where and when to report.*
  - 1. The Recipient must report each obligating action described in paragraph A.i. of this award term to <https://www.fsrs.gov>.
  - 2. For subaward information, report no later than the end of the month following the month in which the obligation was made. (For example, if the obligation was made on November 7, 2010, the obligation must be reported no later than December 31, 2010.)
- iii. *What to report.* The Recipient must report the information about each obligating action that the submission instructions posted at <https://www.fsrs.gov> specify.

### **B. Reporting Total Compensation of Recipient Executives**

- i. *Applicability and what to report.* The Recipient must report total compensation for each of its five most highly compensated executives for the preceding completed fiscal year, if:
  - 1. The total Federal funding authorized to date under this Award equals or exceeds \$30,000 as defined in 2 CFR 170.320;



2. In the preceding fiscal year, the Recipient received;
    - a. 80 percent or more of the Recipient's annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and
    - b. \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards)
  3. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/excomp.htm>).
- ii. *Where and when to report.* The Recipient must report executive total compensation described in paragraph B.i. of this award term:
1. As part of the Recipient's registration profile at <https://www.sam.gov>.
  2. By the end of the month following the month in which this award is made, and annually thereafter.

**C. Reporting of Total Compensation of Subrecipient Executives**

- i. *Applicability and what to report.* Unless the Recipient is exempt as provided in paragraph D. of this award term, for each first-tier subrecipient under this award, the Recipient shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if:
  1. In the subrecipient's preceding fiscal year, the subrecipient received:
    - a. 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

- b. \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and Federal financial assistance subject to the Transparency Act (and subawards)
2. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/excomp.htm>).
- ii. *Where and when to report.* The Recipient must report subrecipient executive total compensation described in paragraph C.i. of this award term:
  1. To the recipient.
  2. By the end of the month following the month during which the Recipient makes the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (*i.e.*, between October 1 and 31), the Recipient must report any required compensation information of the subrecipient by November 30 of that year.

#### **D. Exemptions**

If, in the previous tax year, the Recipient had gross income, from all sources, under \$300,000, it is exempt from the requirements to report:

- i. Subawards; and
- ii. The total compensation of the five most highly compensated executives of any subrecipient.

#### **E. Definitions**

For purposes of this Award term:

- i. Entity means all of the following, as defined in 2 CFR Part 25:
  1. A Governmental organization, which is a State, local government, or Indian tribe.
  2. A foreign public entity.

3. A domestic or foreign nonprofit organization.
  4. A domestic or foreign for-profit organization.
  5. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.
- ii. Executive means officers, managing partners, or any other employees in management positions.
- iii. Subaward:
  1. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which the Recipient received this award and that the recipient awards to an eligible subrecipient.
  2. The term does not include the Recipient's procurement of property and services needed to carry out the project or program (for further explanation, see 2 CFR 200.501 Audit requirements, (f) *Subrecipients and Contractors* and/or 2 CFR 910.501 Audit requirements, (f) *Subrecipients and Contractors*).
  3. A subaward may be provided through any legal agreement, including an agreement that the Recipient or a subrecipient considers a contract.
- iv. Subrecipient means an entity that:
  1. Receives a subaward from the Recipient under this award; and
  2. Is accountable to the Recipient for the use of the Federal funds provided by the subaward.
- v. Total compensation means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):
  1. Salary and bonus.
  2. Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.

3. Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.
4. Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
5. Above-market earnings on deferred compensation which is not tax-qualified.
6. Other compensation, if the aggregate value of all such other compensation (*e.g.* severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

## **Term 32. System for Award Management and Universal Identifier Requirements**

### **A. Requirement for Registration in the System for Award Management (SAM)**

Unless the Recipient is exempted from this requirement under 2 CFR 25.110, the Recipient must maintain the currency of its information in SAM until the Recipient submits the final financial report required under this Award or receive the final payment, whichever is later. This requires that the Recipient reviews and updates the information at least annually after the initial registration, and more frequently if required by changes in its information or another award term.

### **B. Unique Entity Identifier (UEI)**

SAM automatically assigns a UEI to all active SAM.gov registered entities. Entities no longer have to go to a third-party website to obtain their identifier. This information is displayed on SAM.gov.

If the Recipient is authorized to make subawards under this Award, the Recipient:

- i. Must notify potential subrecipients that no entity (see definition in paragraph C of this award term) may receive a subaward from the Recipient unless the entity has provided its UEI number to the Recipient.
- ii. May not make a subaward to an entity unless the entity has provided its UEI number to the Recipient.

### **C. Definitions**

For purposes of this award term:

- i. System for Award Management (SAM) means the Federal repository into which an entity must provide information required for the conduct of business as a recipient. Additional information about registration procedures may be found at the SAM Internet site (currently at <https://www.sam.gov>).
- ii. Unique Entity Identifier (UEI) is the 12-character, alpha-numeric identifier that will be assigned by SAM.gov upon registration.
- iii. Entity, as it is used in this award term, means all of the following, as defined at 2 CFR Part 25, subpart C:
  - 1. A Governmental organization, which is a State, local government, or Indian Tribe.
  - 2. A foreign public entity.
  - 3. A domestic or foreign nonprofit organization.
  - 4. A domestic or foreign for-profit organization.
  - 5. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.
- iv. Subaward:
  - 1. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which the Recipient received this Award and that the Recipient awards to an eligible subrecipient.
  - 2. The term does not include the Recipient's procurement of property and services needed to carry out the project or program (for further explanation, see 2 CFR 200.501 Audit requirements, (f) *Subrecipients and Contractors* and/or 2 CFR 910.501 Audit requirements, (f) *Subrecipients and Contractors*).
  - 3. A subaward may be provided through any legal agreement, including an agreement that the Recipient considers a contract.
- v. Subrecipient means an entity that:
  - 1. Receives a subaward from the Recipient under this Award; and
  - 2. Is accountable to the Recipient for the use of the Federal funds provided by the subaward.

### Term 33. Nondisclosure and Confidentiality Agreements Assurances

- A. By entering into this agreement, the Recipient attests that it **does not and will not** require its employees or contractors to sign internal nondisclosure or confidentiality agreements or statements prohibiting or otherwise restricting its employees or contractors from lawfully reporting waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.
- B. The Recipient further attests that it **does not and will not** use any Federal funds to implement or enforce any nondisclosure and/or confidentiality policy, form, or agreement it uses unless it contains the following provisions:
  - i. *“These provisions are consistent with and do not supersede, conflict with, or otherwise alter the employee obligations, rights, or liabilities created by existing statute or Executive order relating to (1) classified information, (2) communications to Congress, (3) the reporting to an Inspector General of a violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or (4) any other whistleblower protection. The definitions, requirements, obligations, rights, sanctions, and liabilities created by controlling Executive orders and statutory provisions are incorporated into this agreement and are controlling.”*
  - ii. The limitation above shall not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.
  - iii. Notwithstanding provision listed in paragraph (a), a nondisclosure or confidentiality policy form or agreement that is to be executed by a person connected with the conduct of an intelligence or intelligence-related activity, other than an employee or officer of the United States Government, may contain provisions appropriate to the particular activity for which such document is to be used. Such form or agreement shall, at a minimum, require that the person will not disclose any classified information received in the course of such activity unless specifically authorized to do so by the United States Government. Such nondisclosure or confidentiality forms shall also make it clear that they do not bar disclosures to Congress, or to an authorized official of an executive agency or the Department of Justice, that are essential to reporting a substantial violation of law.

### Term 34. Conference Spending

The Recipient shall not expend any funds on a conference not directly and programmatically

related to the purpose for which the grant or cooperative agreement was awarded that would defray the cost to the United States Government of a conference held by any Executive branch department, agency, board, commission, or office for which the cost to the United States Government would otherwise exceed \$20,000, thereby circumventing the required notification by the head of any such Executive Branch department, agency, board, commission, or office to the Inspector General (or senior ethics official for any entity without an Inspector General), of the date, location, and number of employees attending such conference.

## **Term 35. Recipient Integrity and Performance Matters**

### **A. General Reporting Requirement**

If the total value of your currently active Financial Assistance awards, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings described in paragraph 2 of this term. This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.

### **B. Proceedings About Which You Must Report**

Submit the information required about each proceeding that:

- i. Is in connection with the award or performance of a Financial Assistance, cooperative agreement, or procurement contract from the Federal Government;
- ii. Reached its final disposition during the most recent five-year period; and
- iii. Is one of the following:
  1. A criminal proceeding that resulted in a conviction, as defined in paragraph E of this award term and condition;
  2. A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;
  3. An administrative proceeding, as defined in paragraph E of this term, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of \$5,000 or more or reimbursement, restitution, or damages in excess of \$100,000; or
  4. Any other criminal, civil, or administrative proceeding if:
    - a. It could have led to an outcome described in paragraph B.iii.1,

- 2, or 3 of this term;
- b. It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and
- c. The requirement in this term to disclose information about the proceeding does not conflict with applicable laws and regulations.

**C. Reporting Procedures**

Enter in the SAM Entity Management area the information that SAM requires about each proceeding described in paragraph B of this term. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM because you were required to do so under Federal procurement contracts that you were awarded.

**D. Reporting Frequency**

During any period of time when you are subject to the requirement in paragraph A of this term, you must report proceedings information through SAM for the most recent five-year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have Federal contract, Financial Assistance awards, (including cooperative agreement awards) with a cumulative total value greater than \$10,000,000, must disclose semiannually any information about the criminal, civil, and administrative proceedings.

**E. Definitions**

For purposes of this term:

- i. Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a Federal contract or Financial Assistance awards. It does not include audits, site visits, corrective plans, or inspection of deliverables.
- ii. Conviction means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of *nolo contendere*.
- iii. Total value of currently active Financial Assistance awards, cooperative agreements and procurement contracts includes—
  - 1. Only the Federal share of the funding under any Federal award with a recipient cost share or match; and



2. The value of all expected funding increments under a Federal award and options, even if not yet exercised.

### **Term 36. Export Control (March 2023)**

The United States government regulates the transfer of information, commodities, technology, and software considered to be strategically important to the U.S. to protect national security, foreign policy, and economic interests without imposing undue regulatory burdens on legitimate international trade. There is a network of Federal agencies and regulations that govern exports that are collectively referred to as “Export Controls.” The Recipient is responsible for ensuring compliance with all applicable United States Export Control laws and regulations relating to any work performed under the award, including subrecipient work.

The Recipient must immediately report to DOE any export control violations related to the project funded under this award, at the recipient or subrecipient level, and provide the corrective action(s) to prevent future violations.

### **Term 37. Current and Pending Support**

Prior to award, the Recipient was required to provide current and pending support disclosure statements and a CV or Biosketch for each principal investigator (PI) and senior/key personnel, at the recipient and subrecipient level, regardless of funding source. In accordance with the Federal Assistance Reporting Checklist, throughout the life of the award, the Recipient must submit current and pending support disclosure statements and a CV or Biosketch for any new PI and senior/key personnel at the recipient and subrecipient level, added to the project funded under this Award within thirty (30) days of the individual joining the project. In addition, if there are any changes to current and pending support disclosure statements previously submitted to DOE, the Recipient must submit updated current and pending disclosure statements within thirty (30) days of the change. The Recipient must ensure all PIs and senior/key personnel at the recipient and subrecipient level, are aware of the requirement to submit updated current and pending support disclosure statements to DOE.

Current and pending support is intended to allow the identification of potential duplication, overcommitment, potential conflicts of interest or commitment, and all other sources of support. All PIs and senior/key personnel at the recipient and subrecipient level must provide a list of all sponsored activities, awards, and appointments, whether paid or unpaid; provided as a gift with terms or conditions or provided as a gift without terms or conditions; full-time, part-time, or voluntary; faculty, visiting, adjunct, or honorary; cash or in-kind; foreign or domestic; governmental or private-sector; directly supporting the individual’s research or indirectly supporting the individual by supporting students, research staff, space, equipment, or other research expenses. All foreign government-sponsored talent recruitment programs must be identified in current and pending support.

For every activity, list the following items:

- The sponsor of the activity or the source of funding.

- The award or other identifying number.
- The title of the award or activity. If the title of the award or activity is not descriptive, add a brief description of the research being performed that would identify any overlaps or synergies with the proposed research.
- The total cost or value of the award or activity, including direct and indirect costs and cost share. For pending proposals, provide the total amount of requested funding.
- The award period (start date – end date).
- The person-months of effort per year being dedicated to the award or activity.
- Identify any overlap, duplication of effort, or synergistic efforts, with a description of the other award or activity to the current and pending support.
- Details of any obligations, contractual or otherwise, to any program, entity, or organization sponsored by a foreign government must be provided to DOE.

All PIs and senior/key personnel must provide a separate disclosure statement listing the required information above regarding current and pending support. The individual must sign and date their respective disclosure statement and include the following certification statement:

I, [Full Name and Title], certify to the best of my knowledge and belief that the information contained in this Current and Pending Support Disclosure Statement is true, complete and accurate. I understand that any false, fictitious, or fraudulent information, misrepresentations, half-truths, or omissions of any material fact, may subject me to criminal, civil or administrative penalties for fraud, false statements, false claims or otherwise. (18 U.S.C. §§ 1001 and 287, and 31 U.S.C. 3729-3730 and 3801-3812). I further understand and agree that (1) the statements and representations made herein are material to DOE's funding decision, and (2) I have a responsibility to update the disclosures during the period of performance of the award should circumstances change which impact the responses provided above.

The information may be provided in the format approved by the National Science Foundation (NSF), which may be generated by the Science Experts Network Curriculum Vita (SciENCv), a cooperative venture maintained at <https://www.ncbi.nlm.nih.gov/sciencv/>, and is also available at <https://www.nsf.gov/bfa/dias/policy/nsfapprovedformats/cps.pdf>. The use of a format required by another agency is intended to reduce the administrative burden to researchers by promoting the use of common formats. If the NSF format is used, the individual must still include a signature, date, and a certification statement using the language included in the paragraph above.

### **Term 38. Interim Conflict of Interest Policy for Financial Assistance**

The DOE interim Conflict of Interest Policy for Financial Assistance (COI Policy) can be found at <https://www.energy.gov/management/pf-2022-17-department-energy-interim-conflict->

[interest-policy-requirements-financial](#). This policy is applicable to all non-Federal entities applying for, or that receive, DOE funding by means of a financial assistance award (e.g., a grant, cooperative agreement, or technology investment agreement) and, through the implementation of this policy by the entity, to each Investigator who is planning to participate in, or is participating in, the project funded wholly or in part under this Award. The term “Investigator” means the PI and any other person, regardless of title or position, who is responsible for the purpose, design, conduct, or reporting of a project funded by DOE or proposed for funding by DOE. The Recipient must flow down the requirements of the interim COI Policy to any subrecipient non-Federal entities, with the exception of DOE National Laboratories. Further, the Recipient must include all financial conflicts of interests (FCOI), i.e., managed and unmanaged/ unmanageable, in its initial and ongoing FCOI reports.

Prior to award, the Recipient was required to: 1) ensure all Investigators on this Award completed their significant financial disclosures; 2) review the disclosures; 3) determine whether a FCOI exists; 4) develop and implement a management plan for FCOIs; and 5) provide DOE with an initial FCOI report that includes all FCOIs (i.e., managed and unmanaged/unmanageable). Within 180 days of the date of the Award, the Recipient must be in full compliance with the with the other requirements set forth in DOE’s interim COI Policy.

### **Term 39. Organizational Conflict of Interest**

If the Recipient has a parent, affiliate, or subsidiary organization that is not a state, local government, or Indian tribe, the Recipient must also maintain written standards of conduct covering organizational conflicts of interest. Organizational conflicts of interest are those where, because of relationships with a parent company, affiliate, or subsidiary organization, the Recipient is unable or appears to be unable to be impartial in conducting procurement action involving a related organization. 2 CFR 200.318(c)(2).

The Recipient must disclose in writing any potential or actual organizational conflict of interest to the DOE Contracting Officer. The Recipient must provide the disclosure prior to engaging in a procurement or transaction using project funds with a parent, affiliate, or subsidiary organization that is not a state, local government, or Indian tribe. For a list of the information that must be included the disclosure, see Section VI. of the DOE interim Conflict of Interest Policy for Financial Assistance.

If the effects of the potential or actual organizational conflict of interest cannot be avoided, neutralized, or mitigated, the Recipient must procure goods and services from other sources when using project funds. Otherwise, DOE may terminate the Award unless continued performance is determined to be in the best interest of the Federal government.

The Recipient is responsible for ensuring subrecipient compliance with this term.

### **Term 40. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment**

As set forth in 2 CFR 200.216, recipients and subrecipients are prohibited from obligating or expending project funds (Federal funds and recipient cost share) to:

- (1) Procure or obtain;
- (2) Extend or renew a contract to procure or obtain; or
- (3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
  - (i) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
  - (ii) Telecommunications or video surveillance services provided by such entities or using such equipment.
  - (iii) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

See Public Law 115-232, section 889 for additional information.

#### **Term 41. Participants and Other Collaborating Organizations**

Prior to award, the Recipient was required to provide the following information on participants and other collaborating organizations. If there are any changes to Participants and Collaborating Organizations information previously submitted to DOE, the Recipient must submit updated information within 30 calendar days after the end of the quarterly reporting period in which the change occurred:

##### **A. What individuals have worked on the project**

List of (1) Project director(s)/Principal investigator(s) (PDs/PIs); and (2) each person who has worked or is expected to work at least one person month per year on the project regardless of the source of compensation (a person month equals approximately 160 hours of effort).

**i. Name and role the person played in the project**

The total number of months (including partial months) (Calendar, Academic, Summer) that the individual worked on this project and it what role, using the project roles identified below.

**ii. Project Roles:**

PD/PI

Co PD/PI

Faculty

Community College Faculty

Technical School Faculty

K-12 Teacher

Postdoctoral (scholar, fellow or other postdoctoral position)

Other Professional

Technician

Staff Scientist (doctoral level)

Statistician

Graduate Student (research assistant)

Non-Student Research Assistant

Undergraduate Student

Technical School Student

High School Student

Consultant

Research Experience for Undergraduates (REU) Participant

Other (specify)

**iii. How the person contributed to the project****iv. The person's state, U.S. territory, and/or country of residence**

The location from which the person collaborated (internationally or U.S.-based). Whether this person collaborated internationally with an individual located in a foreign country and whether the person traveled to the foreign country as part of that collaboration, and, if so, where and what the duration of stay was.

If the participant was not U.S.-based, whether this person traveled to the U.S. or another country as part of a collaboration, and, if so, where and what the duration of stay was.

**B. Other organizations involved as partners**

Partner organizations – academic institutions, other nonprofits, industrial or commercial firms, state or local governments, schools or school systems, or other organizations (foreign or domestic) – that have been involved with the project.

**C. Other collaborators or contacts involved**

Significant collaborators or contacts within the recipient's organization that may not be covered by "What people have worked on the project?" Likewise, some significant collaborators or contacts outside the recipient's organization may not be covered under "What other organizations have been involved as partners?"

Identify the state(s), U.S. territory(ies), or country(ies) of collaborations or contacts.

**Term 42. Human Subjects Research**

Research involving human subjects, biospecimens, or identifiable private information conducted with Department of Energy (DOE) funding is subject to the requirements of DOE Order 443.1C, *Protection of Human Research Subjects*, 45 CFR Part 46, *Protection of Human Subjects (subpart A which is referred to as the "Common Rule")*, and 10 CFR Part 745, *Protection of Human Subjects*.

Federal regulation and the DOE Order require review by an Institutional Review Board (IRB) of all proposed human subjects research projects. The IRB is an interdisciplinary ethics board responsible for ensuring that the proposed research is sound and justifies the use of human subjects or their data; the potential risks to human subjects have been minimized; participation is voluntary; and clear and accurate information about the study, the benefits and risks of participating, and how individuals' data/specimens will be protected/used, is provided to potential participants for their use in determining whether or not to participate.

The Recipient shall provide the Federal Wide Assurance number identified in item 1 below and the certification identified in item 2 below to DOE prior to initiation of any project that will involve interactions with humans in some way (e.g., through surveys); analysis of their identifiable data (e.g., demographic data and energy use over time); asking individuals to test devices, products, or materials developed through research; and/or testing of commercially available devices in buildings/homes in which humans will be present. *Note:* This list of examples is illustrative and not all inclusive.

No DOE funded research activity involving human subjects, biospecimens, or identifiable private information shall be conducted without:

- 1) A registration and a Federal Wide Assurance of compliance accepted by the Office of Human Research Protection (OHRP) in the Department of Health and Human Services; and
- 2) Certification that the research has been reviewed and approved by an Institutional Review Board (IRB) provided for in the assurance. IRB review may be accomplished by the awardee's institutional IRB; by the Central DOE IRB; or if collaborating with one of the DOE national laboratories, by the DOE national laboratory IRB.

The Recipient is responsible for ensuring all subrecipients comply and for reporting information on the project annually to the DOE Human Subjects Research Database (HSRD) at <https://science.osti.gov/HumanSubjects/Human-Subjects-Database/home>. *Note:* If a DOE IRB is used, no end of year reporting will be needed.

Additional information on the DOE Human Subjects Research Program can be found at: [HUMAN SUBJECTS Human Subjects Pr... | U.S. DOE Office of Science \(SC\) \(osti.gov\)](#).

### **Term 43. Fraud, Waste and Abuse**

The mission of the DOE Office of Inspector General (OIG) is to strengthen the integrity, economy and efficiency of DOE's programs and operations including deterring and detecting fraud, waste, abuse and mismanagement. The OIG accomplishes this mission primarily through investigations, audits, and inspections of Department of Energy activities to include grants, cooperative agreements, loans, and contracts. The OIG maintains a Hotline for reporting allegations of fraud, waste, abuse, or mismanagement. To report such allegations, please visit <https://www.energy.gov/ig/ig-hotline>.

Additionally, the Recipient must be cognizant of the requirements of 2 CFR § 200.113 Mandatory disclosures, which states:

The non-Federal entity or applicant for a Federal award must disclose, in a timely manner, in writing to the Federal awarding agency or pass-through entity all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Non-Federal entities that have received a Federal award including the term and condition outlined in appendix XII of 2 CFR Part 200 are required to report certain civil, criminal, or administrative proceedings to SAM (currently FAPIIS). Failure to make required disclosures can result in any of the remedies described in § 200.339. (See also 2 CFR part 180, 31 U.S.C. 3321, and 41 U.S.C. 2313.)

### **Term 44. IMPLEMENTATION OF EXECUTIVE ORDER 13798, PROMOTING FREE SPEECH AND RELIGIOUS LIBERTY (NOVEMBER 2020)**

States, local governments, or other public entities may not condition sub-awards in a manner that would discriminate, or disadvantage sub-recipients based on their religious character.

### **Term 45. CONTINUED USE OF REAL PROPERTY AND EQUIPMENT (OCTOBER 2022)**

Real property and equipment purchased with project funds (federal share and recipient cost share) under this Award are subject to the requirements at 2 CFR 200.311, 200.313, and 200.316 (non-Federal entities, except for-profit entities) and 2 CFR 910.360 (for-profit entities).



The Recipient may continue to use the real property and equipment after the conclusion of the award period of performance so long as the Recipient:

- a. Continues to use the property for the authorized project purposes;
- b. Complies with the applicable reporting requirements and regulatory property standards;
- c. As applicable to for-profit entities, UCC filing statements are maintained; and
- d. Submits a written Request for Continued Use for DOE authorization, which is approved by the DOE Contracting Officer.

The Recipient must request authorization from the Contracting Officer to continue to use the property for the authorized project purposes beyond the award period of performance ("Request for Continued Use"). The Recipient's written Request for Continued Use must identify the property and include: a summary of how the property will be used (must align with the authorized project purposes); a proposed use period (e.g., perpetuity, until fully depreciated, or a calendar date where the Recipient expects to submit disposition instructions); acknowledgement that the recipient shall not sell or encumber the property or permit any encumbrance without prior written DOE approval; current fair market value of the property; and an Estimated Useful Life or depreciation schedule for equipment.

When the property is no longer needed for authorized project purposes, the Recipient must request disposition instructions from DOE. For-profit entity disposition requirements are set forth at 2 CFR 910.360. Property disposition requirements for other non-federal entities are set forth in 2 CFR 200.310 through 200.316.

#### **Term 46. Foreign National Participation (March 2023)**

If the Recipient (including any of its subrecipients and contractors) anticipates involving foreign nationals in the performance of this award, the Recipient must provide DOE with specific information about each foreign national to ensure compliance with the requirements for foreign national participation and access approvals. The volume and type of information required may depend on various factors associated with the award.

Approval for foreign nationals from countries identified on the U.S. Department of State's list of State Sponsors of Terrorism (<https://www.state.gov/state-sponsors-of-terrorism/>) must be obtained from DOE before they can participate in the performance of any work under this award.

A "foreign national" is defined as any person who is not a United States citizen by birth or naturalization. DOE may elect to deny a foreign national's participation in the award. Likewise, DOE may elect to deny a foreign national's access to a DOE sites, information, technologies, equipment, programs or personnel.



The Recipient must include this term in any subaward and in any applicable contractual agreement(s) associated with this award.

**Term 47. POST AWARD DUE DILIGENCE REVIEWS (March 2023)**

During the life of the Award, DOE may conduct ongoing due diligence reviews, through Government resources, to identify potential risks of undue foreign influence. In the event, a risk is identified, DOE may require risk mitigation measures, including but not limited to, requiring an individual or entity not participate in the Award.

**Term 48. PROHIBITION RELATED TO FOREIGN GOVERNMENT-SPONSORED TALENT RECRUITMENT PROGRAM (March 2023)**

**A. Prohibition**

Persons participating in a *Foreign Government-Sponsored Talent Recruitment Program of a Foreign Country of Risk* are prohibited from participating in this Award. The Recipient must exercise ongoing due diligence to reasonably ensure that no individuals participating on the DOE-funded project are participating in a *Foreign Government-Sponsored Talent Recruitment Program of a Foreign Country of Risk*. Consequences for violations of this prohibition will be determined according to applicable law, regulations, and policy. Further, the Recipient must notify DOE within five (5) business days upon learning that an owner of the Recipient or subrecipient or individual on the project team is or is believed to be participating in a *Foreign Government-Sponsored Talent Recruitment Program of a Foreign Country of Risk*. DOE may modify and add requirements related to this prohibition to the extent required by law.

**B. Definitions**

- 1. Foreign Government-Sponsored Talent Recruitment Program.** An effort directly or indirectly organized, managed, or funded by a foreign government, or a foreign government instrumentality or entity, to recruit science and technology professionals or students (regardless of citizenship or national origin, or whether having a full-time or part-time position). Some foreign government-sponsored talent recruitment programs operate with the intent to import or otherwise acquire from abroad, sometimes through illicit means, proprietary technology or software, unpublished data and methods, and intellectual property to further the military modernization goals and/or economic goals of a foreign government. Many, but not all, programs aim to incentivize the targeted individual to relocate physically to the foreign state for the above purpose. Some programs allow for or encourage continued employment at United States research facilities or receipt of federal research funds while concurrently working at and/or receiving compensation from a foreign institution, and some direct participants not to disclose their participation to U.S. entities. Compensation

could take many forms including cash, research funding, complimentary foreign travel, honorific titles, career advancement opportunities, promised future compensation, or other types of remuneration or consideration, including in-kind compensation.

2. **Foreign Country of Risk.** DOE has designated the following countries as foreign countries of risk: Iran, North Korea, Russia, and China. This list is subject to change.

#### **Term 49. TRANSPARENCY OF FOREIGN CONNECTIONS (March 2023)**

During the term of the Award, the Recipient must notify the DOE Contracting Officer within fifteen (15) business days of learning of the following circumstances in relation to the Recipient or subrecipients:

1. The existence of any joint venture or subsidiary that is based in, funded by, or has a foreign affiliation with any foreign country of risk;
2. Any current or pending contractual or financial obligation or other agreement specific to a business arrangement, or joint venture-like arrangement with an enterprise owned by a country of risk or foreign entity based in a country of risk;
3. Any current or pending change in ownership structure of the Recipient or subrecipients that increases foreign ownership related to a country of risk;
4. Any current or pending venture capital or institutional investment by an entity that has a general partner or individual holding a leadership role in such entity who has a foreign affiliation with any foreign country of risk;
5. Any current or pending technology licensing or intellectual property sales to a foreign country of risk; and
6. Any current or pending foreign business entity, offshore entity, or entity outside the United States related to the Recipient or subrecipient.

#### **TERM 50. FOREIGN COLLABORATION CONSIDERATIONS (MARCH 2023)**

- A. Consideration of new collaborations with foreign organizations and governments. The Recipient must provide DOE with advanced written notification of any potential collaboration with foreign entities, organizations or governments in connection with its DOE-funded award scope. The Recipient must await further guidance from DOE prior to contacting the proposed foreign entity, organization or government regarding the potential collaboration or negotiating the terms of any potential agreement.
- B. Existing collaborations with foreign entities, organizations and governments. The Recipient must provide DOE with a written list of all existing foreign collaborations in which has entered in connection with its DOE-funded award scope.

- C. Description of collaborations that should be reported: In general, a collaboration will involve some provision of a thing of value to, or from, the Recipient. A thing of value includes but may not be limited to all resources made available to, or from, the recipient in support of and/or related to the Award, regardless of whether or not they have monetary value. Things of value also may include in-kind contributions (such as office/laboratory space, data, equipment, supplies, employees, students). In-kind contributions not intended for direct use on the Award but resulting in provision of a thing of value from or to the Award must also be reported. Collaborations do not include routine workshops, conferences, use of the Recipient's services and facilities by foreign investigators resulting from its standard published process for evaluating requests for access, or the routine use of foreign facilities by awardee staff in accordance with the Recipient's standard policies and procedures.