

AFFECT BIL FAC Phase 2 Informational Webinar

May 14, 2024



Agenda

Assisting Federal Facilities with Energy Conservation Technologies (AFFECT) Program Overview

- Timeline
- Authority
- Focus
- FAC Basics
- Grant Process

AFFECT Bipartisan Infrastructure Law (BIL) Federal Agency Call (FAC) Phase 2

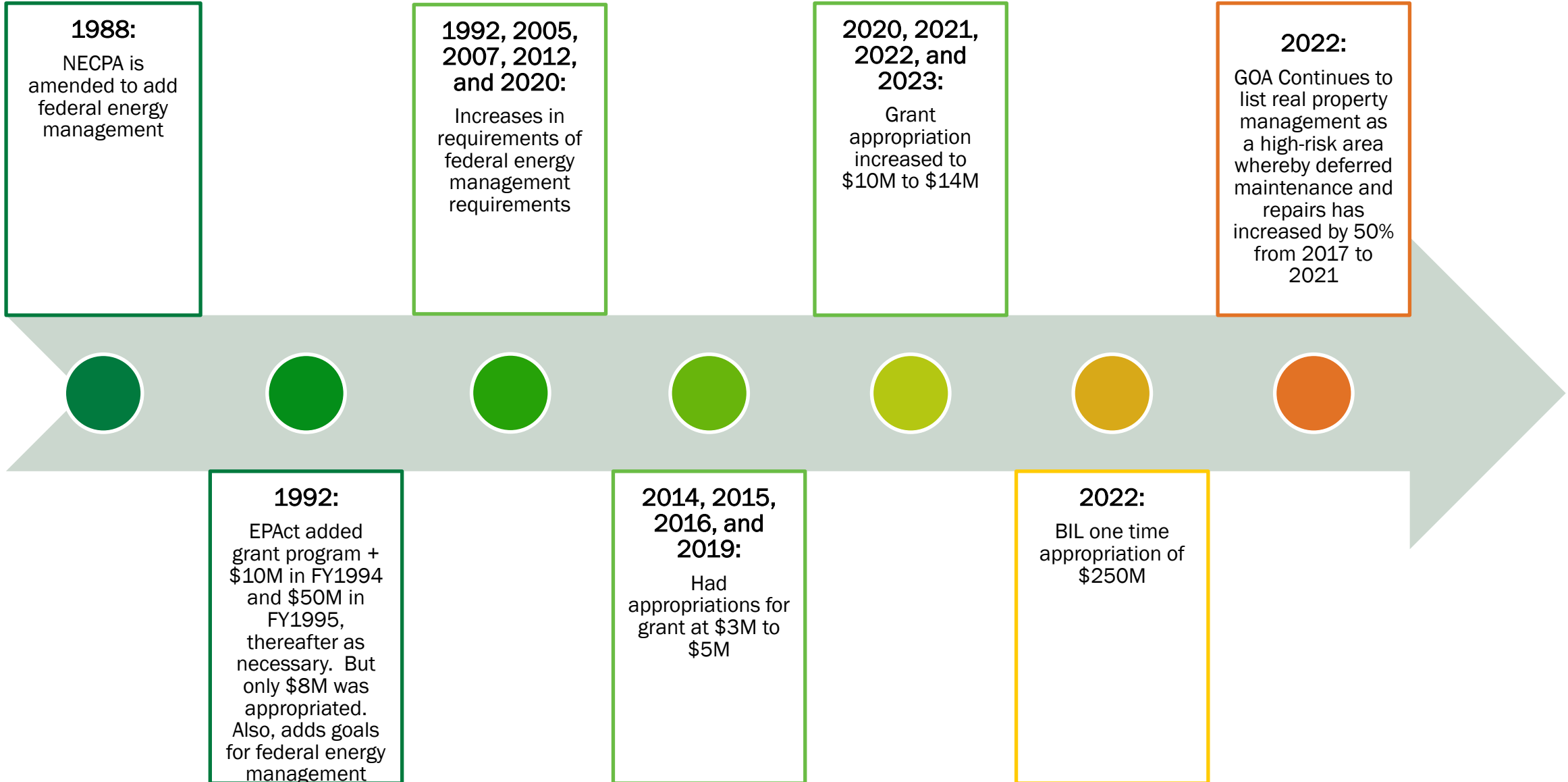
- Overview
- Basics
- Best Practices

Frequently Asked Questions

AFFECT Program

Overview

AFFECT Program | Timeline



AFFECT Program | Authority

42 USC § 8256 (b) Federal Energy Efficiency Fund

- 1) The Secretary shall establish a Federal Energy Efficiency Fund to provide grants to agencies to assist them in **meeting the requirements of section 8253** of this title.
- 2) Not later than June 30, 1993, the Secretary shall issue guidelines to be followed by agencies submitting proposals for such grants. All agencies shall be eligible to submit proposals for grants under the Fund.
- 3) The Secretary shall award grants from the Fund after a **competitive assessment of the technical and economic effectiveness** of each agency proposal. The Secretary shall consider the following factors in determining whether to provide funding under this subsection:
 - A. The **cost-effectiveness** of the project.
 - B. The amount of **energy and cost savings** anticipated to the Federal Government.
 - C. The amount of **funding committed to the project by the agency** requesting financial assistance.
 - D. The extent that a proposal **leverages financing** from other non-Federal sources.
 - E. Any **other factor** which the Secretary determines will result in the greatest amount of energy and cost savings to the Federal Government.

AFFECT Program | 42 USC §8253 Focus

Metering of Utility Use

Water Use Intensity Reduction

Energy Use Intensity Reduction

Benchmarking

Evaluate, Identify, Implement, & Measure Performance Measures

Invest & Implement Measures

AFFECT Program | 42 USC §8256 Basics

Cost Effective

- An improvement is considered cost-effective when the total present value cost < the total present value of the cost savings over the useful life of the improvement.
- Tool: National Institute of Standards and Technology (NIST) Life Cycle Cost Effectiveness Analysis.

Cost Savings

- In general cost savings may come from reduced utility, operations and maintenance, and/or repair and replacement cost.
- Note: The study period for savings in a LCCA is up to **40 years**, while for performance contracts, the contract payments and all obligation are to be met within **25 years**.

Cost Share

- Applicant/agency commits funding to the project.
- Proposal leverages financing from other non-Federal sources.

Other Factors

- Allows for customization and prioritization.
- Varies and could include capturing current administration priorities, advancing certain technologies, addressing government wide area challenges, etc.

Description

- Background and Context
- Program Purpose
- Strategic Goals
- Topic Areas

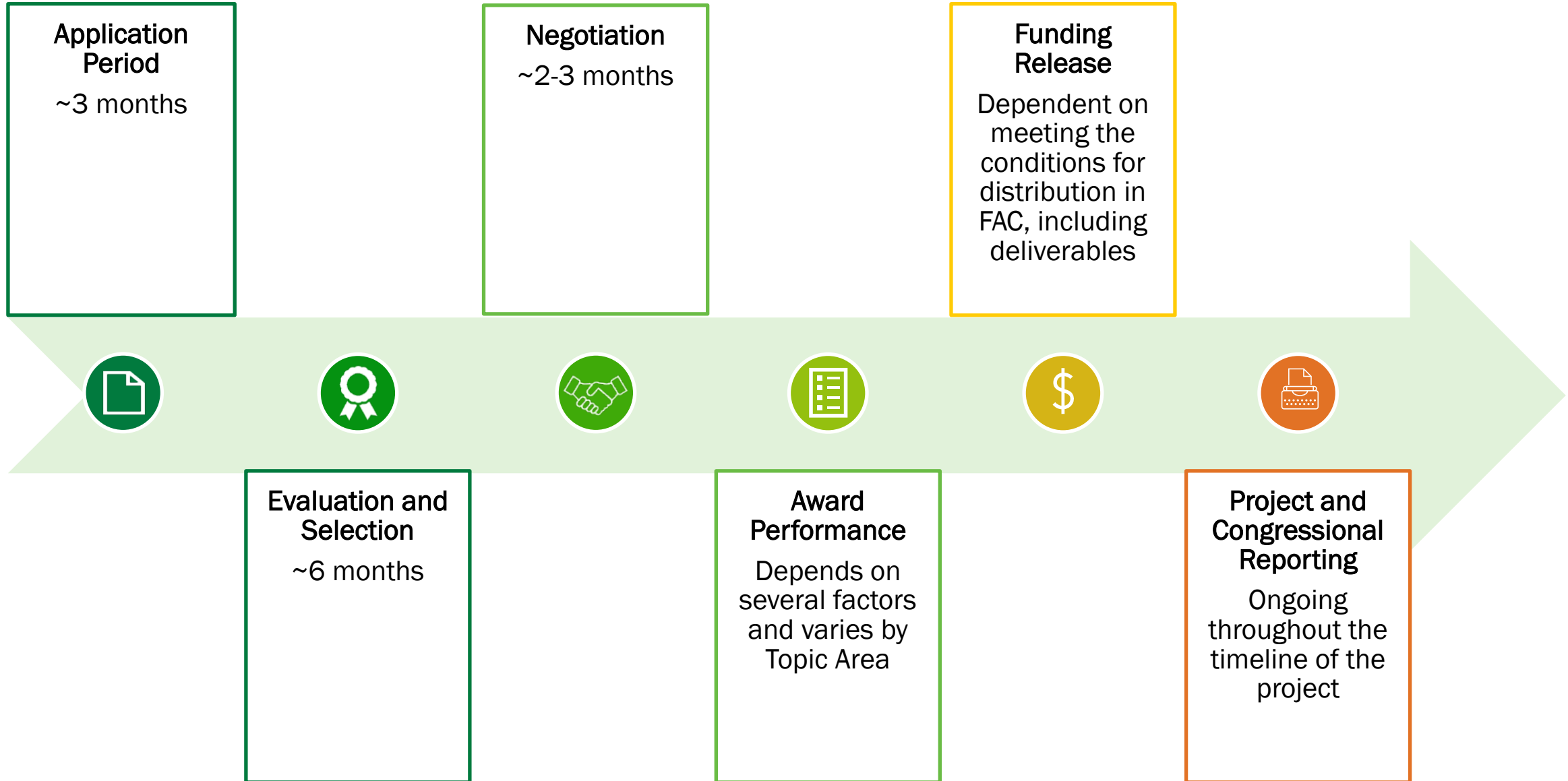
Parameters

- Applications Specifically Not of Interest
- Award Information (e.g., eligible costs, deliverables and timeline)
- Eligibility Information (e.g., eligible applicants, compliance criteria)
- Application and Submission Information (e.g., systems, forms)

Award Administration

- Technical Review Criteria
- Other Selection Factors
- Evaluation and Selection Process including Notification
- Other Requirements (e.g., NEPA, Cybersecurity, Community Benefit Plan)

AFFECT Program | Grant Funding Release Process Overview



AFFECT BIL FAC

Phase 2

AFFECT BIL FAC | Overview

What	<p>AFFECT BIL FAC, Advancing Net-Zero Federal Facilities (DE-FOA-0003026) grant program spans four topic areas aimed at supporting projects that progress federal buildings toward net-zero carbon emissions.</p> <p>Grant amount: \$250,000,000</p>
Why	Authorities (42 U.S.C. §8256(b)) and Priorities (42 U.S.C. §8253 and Executive Orders)
When	Application window closes June 27, 2024, with the grant cycle running through Spring 2025.
How	Visit the Clean Energy Infrastructure eXCHANGE to view the selection criteria, to see the required application details, and to apply.
Who	Only federal agencies may apply.
Help	Email the AFFECT BIL FAC Team at AFFECTBIL@hq.doe.gov with questions.

AFFECT BIL FAC | Phase 2 Modification Summary

- **Extended Deadline:** Phase 2 applications due June 27, 2024.
- **Expanded Scope:** Topic Area 1 now includes “programs and procedures.”
- **Refined Selection Criteria:** Selection criteria for all topic areas have been updated to enhance scoring and include benchmark examples.
- **Updated Forms:** Application documents have been adjusted for consistency.



Photo By: Dennis Schroeder/NREL

AFFECT BIL FAC | Key Dates

Updated: Reduced number of phases, adjusted dates for Phase 2 and Phase 3, increased submission period from 2 to 3 months, and are developing AFFECT specific training sessions.

Upcoming Important Dates & Deadlines		
Phase 2: 2024	June 5	Training Session – <i>Lessons Learned and Best Practices for AFFECT</i>
	June 27	Application Submission Deadline (now open)
	Winter	Expected Selection Notifications
Phase 3: 2025	April 18	Application Submission Deadline (forthcoming)
	Fall	Expected Selection Notifications

AFFECT BIL FAC | Funding Amounts *(updated)*

Updated: Split Topic Area 1 from “Opportunity” development to “Project” and “Program” and increased anticipated award amount for these and added further detail to “Applications Specifically Not of Interest.”

Topic Area Number	Topic Area Title	Anticipated Number of Awards	Anticipated Award Size for Any One Individual Award	Approximate Total Federal Funding Available for All Awards
1A	Assistance with Net-Zero Buildings Project Development	0-60	\$0-\$200K	\$6.25M
1B	Assistance with Net-Zero Buildings Program/Procedures Development	0-60	\$0-\$200K	\$6.25M
2	Modify Existing Projects for Net-Zero Buildings	0-20	\$0-\$10M	\$95M
3	New/In Development Net-Zero Buildings Projects	0-30	\$0-\$10M	\$142.5M

AFFECT BIL FAC | Net-Zero Buildings Defined

AFFECT BIL FAC relies on net-zero building related definitions provided in the [Implementing Instructions for E.O. 14057](#). In this FAC, “net-zero building” refers more generally to a building that is a net-zero emissions, water, and/or waste building.

- **Net-zero emission building:** Building designed and operated so that, when connected to a regional electrical grid fully serviced by carbon pollution-free electricity, the scope 1 and 2 greenhouse house emissions from all operational end uses are zero on an annual basis.
- **Net-zero waste building:** Building operated to reduce, reuse, recycle, compost, or recover solid waste streams (except for hazardous and medical waste) thereby resulting in zero waste disposal.
- **Net-zero water building:** Building designed, constructed, or renovated and operated to greatly reduce total water consumption, use non-potable sources as much as possible, and recycle and reuse water to return the equivalent amount of water as was withdrawn from all sources, including municipal supply, without compromising groundwater and surface water quantity or quality.

AFFECT BIL FAC | Topic Area 1A: Project Assistance

Topic Area 1A, Project Assistance

Purpose¹

Overcome barriers between the initial concept and project initiation phases to develop a net-zero buildings project.

Examples of Assistance¹

- Analysis to transition fossil-fuel based district heating to fully electric systems.
- Analysis of financial incentives to enable greatest project scope and impact.

Criteria²

1. Value and Funding Impact (30%)
2. Viability of Net-Zero Buildings Project (35%)
3. Anticipated Benefits of the Net-Zero Buildings Project (35%)

Deliverables³

- RFP or RFQ for third-party consultant or scope of work for an in-house consultant; and
- If ESPC: NOO
 - If UESC: LOI or RFP
 - If other: RFP/RFQ

1. Found in section I.D.i of the FAC

2. Found in section V.A and V.E of the FAC

3. Found in section II.D.i of the FAC

AFFECT BIL FAC | Topic Area 1B: Program Assistance

Topic Area 1B, Program Assistance

Purpose¹

Initiate, develop, or modify agency program/procedures to create a pipeline of net-zero buildings projects.

Examples of Assistance¹

- Portfolio analysis of viable net-zero buildings opportunities across facilities within a region or bureau.
- Campus master plan for net-zero emissions, water, and/or waste.

Criteria²

1. Value and Funding Impact (30%)
2. Viability of Program/Procedures (35%)
3. Anticipated Benefits of the Net-Zero Buildings Project Pipeline (35%)

Deliverables³

RFP or RFQ for third-party consultant or scope of work for an in-house consultant; and
The resulting outcome (e.g., framework, master plan, report)

1. Found in section I.D.ii of the FAC

2. Found in section V.B and V.E of the FAC

3. Found in section II.D.ii of the FAC

AFFECT BIL FAC | Topic Area 2: Project Modifications

Topic Area 2, Project Modifications	
Purpose¹	Add net-zero buildings ECMs to previously awarded contracts to achieve goals outlined in E.O. 14057 and E.O. 14008, consistent with 42 U.S.C. § 8253.
Example of Project Selected in Phase 1	GSA will modify an existing ESPC to electrify the heating and domestic hot water service at the Ronald Reagan Building and International Trade Center facility in Washington, D.C.
Criteria²	<ol style="list-style-type: none">1. Cost Effectiveness of the Net-Zero Buildings Project (20%)2. Anticipated Energy and Cost Savings of the Net-Zero Buildings Project (15%)3. Leverage (20%)4. Programmatic Priorities and Policy Considerations (20%)5. Viability, Risks, Replicability, and Scalability of the Net Zero Buildings Project (25%)
Deliverables³	Amended SF-30 (or equivalent form) or project proposal by ESCO or UESC

1. Found in section I.D.iii of the FAC

2. Found in section V.C and V.E of the FAC

3. Found in section II.D.iii and II.D.iv of the FAC

AFFECT BIL FAC | Topic Area 3: New Projects

Topic Area 3, New Projects

Purpose¹

Initiate new or in-development projects that support net-zero buildings efforts and goals outlined in E.O. 14057 and E.O. 14008, consistent with 42 U.S.C. § 8253.

Example of Project Selected in Phase 1

Naval Support Activity Mid-South will implement an UESC to modernize its infrastructure with solar and batteries to provide continuity of critical mission during electric utility outages and steer the entire base towards net-zero.

Criteria²

1. Cost Effectiveness of the Net-Zero Buildings Project (20%)
2. Anticipated Energy and Cost Savings of the Net-Zero Buildings Project (15%)
3. Leverage (20%)
4. Programmatic Priorities and Policy Considerations (20%)
5. Viability, Risks, Replicability, and Scalability of the Net Zero Buildings Project (25%)

Deliverables³

If ESPC: NOO, NOITA, and/or IGA
If UESC: LOI, RFP, NTP, and/or IGA
If other: RFP/RFQ, award

1. Found in section I.D.iv of the FAC

2. Found in section V.C and V.E of the FAC

3. Found in section II.D.iii and II.D.iv of the FAC

AFFECT BIL FAC | Eligibility

Eligible Applicants and Facilities

- U.S. federal agencies ONLY (including sub-agencies).
- Facilities owned by the U.S. Federal Government.

Government-Owned, Contractor-Operated Facilities

- For a project to be eligible for AFFECT, the AFFECT application must be submitted Federal Contracting Officer, and the federal agency must:
- Pay the utility bills
 - Receive the benefits of the reduced utility bills
 - Pay the ESCO/utility (in the case of a performance contract).

Application Assistance

Federal agencies may coordinate the development of application content, information, and documentation with National Laboratories, ESCOs, utilities, or contractor partners; however, the application must be submitted by the federal agency.

Eligible Project Costs

AFFECT BIL grant funding may be spent on any of the equipment and/or technical assistance and other services related to the planning, development or implementation of an eligible project.

AFFECT BIL FAC | Application Requirements

Required Documents Checklist	File Naming Conventions
AFFECT BIL Application Form (PDF format)	ControlNumber_LeadOrganization_Application Form
SF-424 Application for Federal Assistance (PDF format)	ControlNumber_LeadOrganization_App424
Letter of Endorsement (PDF format) <i>From federal site's leadership or headquarter official responsible for sustainability, energy management, or procurement.</i>	ControlNumber_LeadOrganization_LoE
Summary Slide (MS PowerPoint format)	ControlNumber_LeadOrganization_Slide
Two eProject Builder (ePB) Calculating Templates (MS Excel format) for Topic Areas 2 and 3 only.	ControlNumber_LeadOrganization_ePB_Project WITHOUT_AFFECT BIL Grant
Use the ePB Calculating Template found under ePB Help/Documentation, Data Templates at: https://eprojectbuilder.lbl.gov .	ControlNumber_LeadOrganization_ePB_Project WITH_AFFECT BIL Grant

AFFECT BIL FAC | How to Apply

1. Visit the [Clean Energy Infrastructure eXCHANGE](#) and select APPLY.

2. Add the Control Number to all documents.

- When you begin the application process, you're assigned a Control Number. Add the Control Number to the upper right corner of the header of every page of the application.

3. Meet all application requirements.

- Use the correct AFFECT BIL Application Form for the Topic Area being proposed.
- Do not change or modify any questions on the AFFECT BIL Application Form.
- Each submission must follow the specified formatting requirements, and it may not exceed the specified maximum page or word limit. This includes the cover page and any charts, graphs, maps, and photographs. If you exceed the maximum page or word limits, FEMP will only review the authorized number of pages/words.

4. Apply for Phase 2 by June 27, 2024.

- Clean Energy Infrastructure eXCHANGE is designed to enforce the deadlines specified in this FAC. Applicants are strongly encouraged to submit their applications at least 48 hours in advance of the submission deadline.

If you have technical issues with your submission **PRIOR** to the FAC deadline, contact the Clean Energy Infrastructure eXCHANGE helpdesk (InfrastructureeXCHANGESupport@hq.doe.gov).

AFFECT BIL FAC | Best Practices

- ✓ Closely **read** the open grant announcement, posted Q&A, and past project selections for examples.
- ✓ Make sure you have **access** and accounts in the required systems.
- ✓ Connect and **coordinate** with the right people at your agency, especially your procurement and contracting officers.
- ✓ Ensure **consistency** and **accuracy** of your application information.
- ✓ **Leverage** federal and non-federal funding sources, to meet the Energy Act 2020 requirement of 50% performance contracts.
- ✓ Consider **comprehensive** projects that contribute to multiple agency goals on sustainability, climate, electrification, clean and renewable energy, etc.
- ✓ Use FEMP's technical assistance services and training.

Note: FEMP is prohibited from providing direct FAC application assistance.

AFFECT BIL FAC | Resources

Visit the Clean Energy Infrastructure eXCHANGE and <https://infrastructure-exchange.energy.gov>, select **DE-FOA-0003026** to access the following resources:

- [Federal Agency Call \(FAC\)](#)
- [Questions and Answers](#)
- [Application Forms](#)
- Summary Slide Templates
- SF-424 Guide (*Coming Soon*)
- Trainings
 - [AFFECT 2023 BIL FAC Informational Webinar](#) (April 4, 2023)
 - [eProject Builder Template for AFFECT Grants Webinar](#) (April 18, 2024)

For questions related to the Clean Energy Infrastructure Exchange website:

InfrastructureeXCHANGESupport@hq.doe.gov

For questions regarding the content of this Federal Agency Call: AFFECTBIL@hq.doe.gov

Frequently Asked Questions

Frequently Asked Questions | #1

Question: *Could you confirm if my agency is eligible?*

Answer: This FAC is available to federal agencies ONLY, including sub-agencies (5 U.S.C § 551(1)).

- Only facilities that are owned by the U.S. federal government are eligible (42 U.S.C. § 8253).
- This FAC is not limited to domestic facilities (Section III.A of the FAC).

Frequently Asked Questions I #2

Question: *Can a contractor-operated entity apply?*

Answer: For a project at a government-owned, contractor-operated facility to be eligible, the application must be submitted by the cognizant Federal Contracting Officer and the following requirements must be met (see Section III.A of the FAC):

1. The federal agency must pay the utility bills
2. The agency must receive the benefits of the reduced utility bills, and
3. In the case of a performance contract, pay the ESCO/utility

Frequently Asked Questions | #3

Question: *Once funds have been distributed, how quickly do we need to spend the funds?*

Answer: Applicants selected for award will have the opportunity to discuss and negotiate project specific deliverable and timeline for funding distribution as noted in section II.D of the FAC.

- Once the funds have been distributed to the applicant, how they are further distributed and managed, will be subject to the recipient agency policies and procedures.
- It is recommended that an applicant consult with their agency contracting officer and project team.

Frequently Asked Questions | #4

Question: *Can my project include PV? New buildings? EVSE?*

Answer: Per section III.D of the FAC:

- “FEMP will not make eligibility determinations for potential applications prior to the date on which applications to this FAC must be submitted.
- The decision whether to submit an application in response to this FAC lies solely with the applicant.”

Appendix

AFFECT BIL FAC | Goal: Net-Zero Buildings

Net-Zero Building Definitions

AFFECT BIL FAC relies on net-zero building related definitions provided in the Implementing Instructions for E.O. 14057. As used in this FAC, net-zero building refers more generally to a building that is a net-zero emission, water, and/or waste building.

- **Net-zero emission building** means a building that is designed and operated so that, when connected to a regional electrical grid fully serviced by carbon pollution-free electricity, the scope 1 and 2 greenhouse house emissions from all operational end uses are zero on an annual basis.
- **Net-zero waste building** means a building that is operated to reduce, reuse, recycle, compost, or recover solid waste streams (with the exception of hazardous and medical waste) thereby resulting in zero waste disposal.
- **Net-zero water building** means a building that is designed, constructed, or renovated and operated to greatly reduce total water consumption, use non-potable sources as much as possible, and recycle and reuse water in order to return the equivalent amount of water as was withdrawn from all sources, including municipal supply, without compromising groundwater and surface water quantity or quality.

AFFECT BIL FAC | Eligibility

Eligible Applicants

AFFECT BIL FAC is available to **U.S. federal agencies ONLY (including sub-agencies)**. Only facilities that are owned by the U.S. federal government are eligible for funding under this FAC.

Eligible Applicants are permitted to coordinate the development of application content, information, and documentation as required for submission with National Laboratory, ESCO or Utility, or Contractor Partners as per their preference. The application, however, must be submitted by the Eligible Applicant federal agency.

In order for a project at a government-owned, contractor-operator facility to be eligible for AFFECT, the AFFECT applicant must be submitted by the cognizant Federal Contracting Officer and the following requirements must be met: the federal agency must pay the utility bills, receive the benefits of the reduced utility bills and, in the case of a performance contract, pay the ESCO/utility.

Eligible Project Costs

AFFECT BIL grant funding may be spent on any of the equipment and/or technical assistance and other services related to the planning, development, or implementation of an eligible project.

Topic Area 1A: Project Assistance *(updated)*

Topic Area 1A: Assistance with Net-Zero Buildings Project Development

- Applications submitted under Topic Area 1A are for assistance to initiate and develop a net-zero buildings project that will contribute to compliance with the statutory energy and water management requirements at 42 U.S.C § 8253.
- This assistance is focused on helping projects overcome barriers that occur between the initial concept and project phases, and to help develop projects that maximize use of technologies and strategies to achieve net-zero buildings.
- This assistance must provide support beyond typical preliminary energy efficiency assessments, investment grade energy audits, or other support typically carried out by an energy service company, utility, or third party, or by internal agency staff for routine energy management.
- The application must demonstrate that this assistance is not typically provided by other entities at no-cost to the agency, such as FEMP's widely available technical assistance and feasibility assessment tools.

Final Deliverables/Grant Release Trigger:

- Either: Request for Proposal (RFP) or Request for Quote (RFQ) for third-party consultant; or Scope of work for an in-house consultant; and
- The resulting outcome: For Energy Savings Performance Contract (ESPC) or ENABLE projects: Notice of Opportunity (NOO); For Utility Energy Service Contract (UESC) projects: Letter of Interest (LOI) or Sources Sought RFP; or For projects executed through other procurement mechanisms: RFP or RFQ.

FEMP reserves the right to terminate the selected AFFECT BIL grant if the recipient agency has not submitted the applicable deliverable within 12 months of grant selection.

Selection Criteria for Topic Area 1A *(updated)*

Topic Area 1A

- **Criterion 1: Value and Funding Impact (30%)**

- The extent to which the activities funded by the assistance in support of the prospective project development demonstrates a high level of rigor, effectively address identified barriers, and mitigates risks.
- The extent to which the applicant is leveraging other funding sources (e.g., agency funding, incentives) for the activities funded by the assistance for which funding is being requested.
- The extent to which the activities funded by the assistance in support of the prospective project development is unique and not already covered under typical project development activities, and the extent to which other agency funding sources are available.
- The extent to which the activities funded by the assistance will support technologies, solutions, or strategies that can be replicated or scaled in other facilities in that agency's portfolio or across the federal government.

- **Criterion 2: Viability of the Net-Zero Buildings Project (35%)**

- The extent to which the prospective project scope is defined and aligns with the agency's net-zero buildings portfolio priorities. The extent to which viable energy conservation measures (ECMs) and procurement vehicle(s) are being considered.
- The extent to which the application demonstrates strong likelihood of the assistance results in a viable prospective project capable of mitigating typical project implementation risks and being awarded.

- **Criterion 3: Anticipated Benefits of the Net-Zero Buildings Project (35%)**

- The extent to which the ECMs being evaluated in the prospective project could achieve significant energy/water and cost savings.
- The extent to which the applicant meets the goals and requirements outlined in EA2020, E.O. 14057, and E.O. 14008, as outlined in Section I.B of the FAC.

Topic Area 1B: Program Assistance *(updated)*

Topic Area 1B: Assistance with Net-Zero Buildings Program/Procedures Development

- Applications submitted under Topic Area 1B are for assistance to initiate, develop, or modify agency program/procedures to create a pipeline of replicable and scalable net-zero buildings projects that will contribute to compliance with the statutory energy and water management requirements at 42 U.S.C § 8253.
- The assistance should address existing challenges and catalyze agency efforts to achieve net-zero buildings portfolio goals by establishing a programmatic foundation resulting in more efficient, effective, and comprehensive project development.
- For purposes of this AFFECT BIL FAC, “assistance” in this Topic Area includes but is not limited to the development of master specifications, scope and costing guidance, master plans and frameworks, and other documentation and analysis.
- The application must demonstrate that this assistance is not typically provided by other entities at no-cost to the agency, such as FEMP’s widely available technical assistance and feasibility assessment tools.

Final Deliverables/Grant Release Trigger:

- Either: RFP or RFQ for third-party consultant; or Scope of work for an in-house consultant; and
- The resulting outcome (e.g., framework, master plan, report)

FEMP reserves the right to terminate the selected AFFECT BIL grant if the recipient agency has not submitted the applicable deliverable within 12 months of grant selection.

Selection Criteria for Topic Area 1B *(updated)*

Topic Area 1B

- **Criterion 1: Value and Funding Impact (30%)**

- The extent to which the activities funded by the assistance in support of the program/procedure development demonstrates a high level of rigor, effectively addresses challenges, and mitigates risk to enhance the likelihood of a viable project pipeline.
- The extent to which the activities funded by the assistance in support of the program/procedure development is unique and not already covered under typical project development activities and the extent which other funding sources are available.
- The extent to which the applicant is leveraging other funding sources (e.g., agency funding, incentives) for the activities funded by the assistance for which funding is being requested.
- The extent to which the activities funded by the assistance in support of the program/procedure development is expected to result in processes and decision-making prioritization in support of a net-zero buildings portfolio and viable project pipeline across an agency's building portfolio or the federal government.

- **Criterion 2: Viability of the Program/Procedures (35%)**

- The extent to which the program/procedures address facilities or campuses with high energy use, emissions, or mission priority.
- The extent to which the program/procedures are likely to result in a viable project pipeline capable of mitigating typical project implementation risks.

- **Criterion 3: Anticipated Benefits of a Net-Zero Buildings Project Pipeline (35%)**

- The extent to which the expected project pipeline could achieve significant energy, water, waste, and cost savings.
- The extent to which the applicant meets the goals and requirements outlined in EA2020, E.O. 14057, and E.O. 14008, as outlined in Section I.B of the FAC.

Topic Area 2: Project Modifications

Topic Area 2: Modify Existing Projects for Net-Zero Buildings

- Applications submitted under Topic Area 2 are for proposed projects that would add net-zero buildings ECMs to previously awarded contracts. The additional ECMs would further an agency's efforts to achieve goals outlined in E.O. 14057 and E.O. 14008, consistent with 42 U.S.C. § 8253.

Final Deliverables/Grant Release Trigger:

- Issued Amendment of Solicitation/Modification of Contract SF-30 (or equivalent form); or
- Project proposal provided by the energy service company (ESCO) (for an ESPC or ENABLE project) or by the utility (for UESC projects) to the applicant.

FEMP reserves the right to terminate the selected AFFECT BIL grant award if the recipient agency has not issued a change order for the subject project contract that is to be modified within 6 months of the grant award; or if the recipient agency has not submitted the ESCO/utility's project Proposal within 12 months; or if the recipient agency has not issued a solicitation to acquire one or more eligible ECMs within 12 months of the grant award.

Topic Area 3: New Projects

Topic Area 3: New/In Development Net-Zero Buildings Projects

- Applications under Topic Area 3 are for new projects or projects in development that support net-zero buildings efforts and any or all of the goals outlined in E.O. 14057, and E.O. 14008, consistent with 42 U.S.C. § 8253.

Final Deliverables/Grant Release Trigger:

- For ESPC or ENABLE projects: Issued NOO, Notice of Intent to Award (NOITA), and project Proposal provided by the ESCO to the applicant; or
- For UESC projects: Issued LOI or Sources Sought RFP, Notice to Proceed (NTP) to investment grade audit (IGA), and project Proposal provided by the utility to the applicant; or
- For projects executed through other procurement mechanisms: Issued RFP/RFQ and awarded contract for the acquisition of one or more eligible ECMs.

FEMP reserves the right to terminate the selected AFFECT BIL grant award if the recipient agency has not issued a NOO, LOI or Sources Sought RFP within 6 months of the grant award; **or** if the recipient agency has not issued a NOITA or NTP to IGA within 12 months of issuing the NOO, LOI or Sources Sought RFP; **or** if the recipient agency has not submitted the ESCO/utility's project Proposal within 12 months of issuing the NOITA or NTP to IGA; **or** if the recipient agency has not issued a solicitation to acquire one or more eligible ECMs within 12 months of the grant award.

Selection Criteria for Topic Area 2 and Topic Area 3 *(updated)*

Topic Area 2 and Topic Area 3 *[aligns with the FEEF requirements]*

- **Criterion 1: Cost Effectiveness of The Net-Zero Buildings Project (20%)**
 - The cost effectiveness of the project as demonstrated by the information provided in the ePB Calculating Templates, with consideration to agency mission and administration goals as addressed in the application.
 - The extent to which the grant maximizes impact relative to Simple Payback (e.g., 15 years or greater), Net Present Value, and Savings to Investment Ratio, with consideration to agency mission and administration goals.
- **Criterion 2: Anticipated Energy and Cost Savings of the Net-Zero Buildings Project (15%)**
 - The extent to which the grant maximizes energy and cost savings relative to the project without the AFFECT grant and relative to the organizational boundary of the site(s) in which the project is located.
- **Criterion 3: Leverage (20%)**
 - The extent to which the applicant leverages its agency funding commitment and non-federal financing and/or incentives (cost leverage) as defined in Section II.B. Projects that maximize the impact of the grant with higher cost leverage ratio (e.g., 20:1 or greater) will score higher.

Selection Criteria for Topic Area 2 and Topic Area 3 *(updated)*

Topic Area 2 and Topic Area 3 [continued]

- **Criterion 4: Programmatic Priorities and Policy Considerations (20%)**
 - The extent which the grant maximizes impact relative to emission reduction and clean energy acceleration (e.g., 50 percent or greater emission reduction), relative to the project without AFFECT grant, and with consideration to agency mission and administration goals.
 - The impact of proposed project on progress toward net-zero buildings relative to the emissions associated with the organizational boundary of the site(s) in which the project is located (e.g., campus, site, installation).
 - The extent to which the applicant meets the goals and requirements outlined in EA2020, E.O. 14057, and E.O. 14008, as outlined in Section I.B.
- **Criterion 5: Viability, Risks, Replicability, and Scalability of the Net-Zero Buildings Project (25%)**
 - The extent to which the project is viable (i.e., high likelihood of execution and success), and the risks or other contingencies are identified and can be addressed.
 - The extent to which the proposed project technologies, strategies or lessons learned are conducive to replication and/or scaling for a larger deployment across multiple facilities within the proposing agency and/or at other federal facilities.

Other Selection Factors *(updated)*

Program Policy Factor

In addition to the noted selection criteria, the Selection Official may consider the following in determining selection:

- The **diversity of technologies and approaches** (including the degree to which the proposed project would be complementary to and support the existing portfolio of projects to achieve the overall goals and objectives of FEMP).
- The **geographic distribution** of projects.
- The **diversity of agencies or sub-agencies** in the project portfolio.
- The **previous history** of agencies or sub-agencies receiving AFFECT awards.
- The degree to which the proposed project **optimizes the use of available DOE funding** to achieve programmatic objectives;
- The extent to which projects address the **Indian Energy Purchase Preference** (25 U.S.C. 3502(d)), the **Buy Indian Act** (48 C.F.R 1480), or related policies.
- The extent to which the project results in positive or negative cumulative environmental **impacts to disadvantaged communities**.
- The extent to which the project maximizes the use of **domestic goods, products, and materials** in constructing the project in support of a **diversified workforce** within the clean energy economy in construction, and **high-quality jobs**;
- Based on the procurement and/or other acquisition instruments used to complete the project, the extent to which the **Buy American Act** applies;
- The extent to which the project contributes to the advancement of **diversity, equity, inclusion, and accessibility**.

Additional Information

- FEMP personnel are **prohibited** from communicating (in writing or otherwise) with agencies regarding the FAC except through the established question and answer process as described below.
 - Questions regarding the content of this FAC must be submitted to: AFFECTBIL@hq.doe.gov. Questions must be submitted 3 business days prior to the application due date and time. Feedback on individual applications will not be provided through Q&A.
 - All questions and answers related to this FAC will be posted on S3 eXCHANGE at: <https://infrastructure-exchange.energy.gov>. Please note that you must first select this specific FOA/FAC Number in order to view the questions and answers specific to this FAC. FEMP will attempt to respond to a question within 3 business days during the open application period, unless a similar question and answer has already been posted on the website, in which case FEMP will direct the questioner to the relevant FAQ.
 - Problems with S3 eXCHANGE, please email: InfrastructureeXCHANGESupport@hq.doe.gov and include FOA/FAC name and number in subject line.
- Please note these slides provide a high-level summary of the AFFECT BIL FAC modifications **only**. Applicants are advised to **carefully read the current full FAC** for details and understanding of all modifications.
 - Typographical updates have been made throughout the FAC to address major changes and provide clarification on some of the frequently asked questions from Phase 1.
- Applicants are reminded to **use the current application forms** for applications submission as these have been fully updated to reflect the FAC modifications.

AFFECT BIL FAC | How to Apply

Submit Material via S3 eXCHANGE

All applications must be submitted via Clean Energy Infrastructure eXCHANGE at <https://infrastructure-exchange.energy.gov>. **FEMP will not review or consider submissions** submitted through means other than Clean Energy Infrastructure eXCHANGE, or submissions submitted after the applicable deadline for each submission phase.

Agencies that experience issues with submission **PRIOR** to the FAC deadline should contact the Clean Energy Infrastructure eXCHANGE helpdesk for assistance (InfrastructureeXCHANGESupport@hq.doe.gov).

- 1. Control Number:** A Control Number will be issued when an Applicant begins the Clean Energy Infrastructure eXCHANGE application process. This Control Number must be prominently displayed on the upper right corner of the header of every page.
- 2. Application requirements:**
 - Agencies must use the provided associated AFFECT BIL Application Form for the Topic Area being proposed;
 - Agencies may not change or modify any questions on the AFFECT BIL Application Form;
 - Each submission must not exceed the specified maximum page or word limit, including cover page, charts, graphs, maps, and photographs when printed using the formatting requirements set forth above and single spaced. If an applicant exceeds the maximum page/word limits, FEMP will review only the authorized number of pages/words and disregard any additional pages/words.
- 3. Deadlines:** Clean Energy Infrastructure eXCHANGE is designed to enforce the deadlines specified in this FAC. The “Apply” and “Submit” buttons will automatically disable at the defined submission deadlines. Applicants are responsible for meeting each submission deadline. Applicants are strongly encouraged to submit their applications at least 48 hours in advance of the submission deadline.