

NSF's Implementation of the Build America, Buy America Act

This document is designed to assist U.S. National Science Foundation award recipients by providing important information related to the "Build America, Buy America" provisions of the "[Infrastructure Investment and Jobs Act](#)" (IIJA; P.L. 117-58), where federal funding supports a project for infrastructure as defined at Section 70912 of the Act. This document also provides guidance on the NSF Term and Condition "[Build America, Buy America](#)," which applies to all of NSF's financial assistance awards.

Requirements

The following information provides details on the requirements of the Infrastructure Investment and Jobs Act (IIJA) and the Build America, Buy America Act, and standards provided by the White House Office of Management and Budget.

1. No NSF funds made available on or after May 14, 2022, may be used for a project for infrastructure unless:
 - (a) All iron and steel used in the project are produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
 - (b) All manufactured products used in the project are produced in the United States. This means the manufactured product was manufactured in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation; and
 - (c) All construction materials¹ are manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.
2. The Build America, Buy America preference only applies to articles, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project. As such, it does not apply to tools, equipment, and supplies, such as temporary scaffolding, brought to the construction site and removed at or before the completion of the infrastructure project. Nor does a Buy America preference apply to equipment and furnishings, such as movable chairs, desks, and portable computer equipment, that are used at or within the finished infrastructure project but are not an integral part of the structure or permanently affixed to the infrastructure project.
3. Additionally, the White House Office of Management and Budget issued further standards that define the term "infrastructure project" and "manufacturing processes" in the case of construction materials, pursuant to Section 70915 of the Act.

¹ Excludes cement and cementitious materials, aggregates such as stone, sand, or gravel, or aggregate binding agents or additives.

Exceptions

The following information provides details on the exceptions to the "Infrastructure Investment and Jobs Act" (IIJA), the "Build America, Buy America Act", and OMB Memorandum M-22-11 Initial Implementation Guidance on Application of Buy America Preference in Federal Financial Assistance Programs for Infrastructure.

1. When necessary, award recipients may apply for, and NSF may approve, a waiver from these requirements.
 - a. NSF may waive the application of the domestic content procurement preference in any case in which it determines that one of the following exceptions applies:
 - i. Public interest: Applying the domestic content procurement preference would be inconsistent with the public interest.
 - ii. Nonavailability: The types of iron, steel, manufactured products or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality; or
 - iii. Unreasonable Cost: The inclusion of iron, steel, manufactured products or construction materials produced in the United States will increase the cost of the overall project by more than 25 percent.
2. This guidance does not apply to "expenditures for assistance authorized under section 402, 403, 404, 406, 408, or 502 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. 5170a, 5170b, 16 5170c, 5172, 5174, or 5192) relating to a major disaster or emergency declared by the President under section 401 or 501, respectively, of such Act (42 U.S.C. 5170, 5191) or pre and post disaster or emergency response expenditures."²

"[P]re and post disaster or emergency response expenditures" consist of expenditures for financial assistance that are (1) authorized by statutes other than the Stafford Act, 42 U.S.C. §§ 5121 et seq., and (2) made in anticipation of or response to an event or events that qualify as an "emergency" or "major disaster" within the meaning of the Stafford Act, id. § 5122(1), (2).

Awards made to support the construction or improvement of infrastructure to mitigate the damage that may be caused by a non-imminent future emergency or disaster, such as awards made under FEMA's Flood Mitigation Assistance program,³ do not qualify as "pre and post disaster or emergency response expenditures."

3. For instructions on how to submit an NSF Build America, Buy America waiver, please see "Guidance on Submission of an NSF Build America, Buy America Waiver Request" on the [NSF Build America, Buy America website](#).

² IIJA § 70912(4)(B).

³ See 42 U.S.C. § 4104c.

Applicability

New NSF Financial Assistance awards and funding amendments to existing awards made on or after May 14, 2022, will contain a term and condition incorporating a Buy America preference.

DEFINITIONS

The following information provides the definitions used in "Infrastructure Investment and Jobs Act" (IIJA), "Build America, Buy America Act", and OMB Memorandum M-22-11 Initial Implementation Guidance on Application of Buy America Preference in Federal Financial Assistance Programs for Infrastructure.

"Federal Financial Assistance" means assistance that Non-Federal Entities receive or administer in the form of grants, cooperative agreements, non-cash contributions or donations of property, direct assistance and other types of financial assistance.

"Non-Federal Entity" means all states, local governments, Indian tribes, institutions of higher education and nonprofit organizations. Loans, loan guarantees, interest subsidies or insurance are not considered Federal financial assistance unless those programs authorize or otherwise include domestic content requirements. Territories and for-profit organizations are not considered non-Federal entities unless such entities are recipients under Federal financial assistance programs that separately authorize or otherwise include domestic content requirements.

"Domestic Content Procurement Preference" means all iron and steel used in the project are produced in the United States; the manufactured products used in the project are produced in the United States; or the construction materials used in the project are produced in the United States.

"Construction Materials" means an article, material, or supply - other than an item of primarily iron or steel, considered a manufactured product, or includes cement and cementitious materials, aggregates such as stone, sand, or gravel, or aggregate binding agents or additives⁴ - that consists of primarily of:

- Non-ferrous metals.
- Plastic and polymer-based products, including polyvinylchloride, composite building materials and polymers used in fiber optic cables.
- Glass, including optic glass.
- Lumber.
- Drywall.⁵

* To provide clarity for item, product and material manufacturers and processors, the Office of Management and Budget⁶ noted that items that consist of two or more of the listed materials that have been combined together through a manufacturing process, and items that include at least one of the listed materials combined with a material that is not listed through a manufacturing process, should be treated as manufactured products, rather than as construction materials. For example, a plastic framed sliding window should be treated as a manufactured product while plate glass should be treated as a construction material.

⁴ IIJA, § 70917(c)(1)

⁵ IIJA, § 70911(5)

⁶ M-22-11 Initial Implementation Guidance on Application of Buy America Preference in Federal Financial Assistance Programs for Infrastructure

"Infrastructure" means, at a minimum, the structures, facilities and equipment for, in the United States, roads, highways, and bridges; public transportation; dams, ports, harbors and other maritime facilities; intercity passenger and freight railroads; freight and intermodal facilities; airports; water systems, including drinking water and wastewater systems; electrical transmission facilities and systems; utilities; broadband infrastructure; and buildings and real property. Infrastructure includes facilities that generate, transport and distribute energy.

"Produced in the United States" means:

1. In the case of iron or steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
2. In the case of manufactured products, that:
 - (i) The manufactured product was manufactured in the United States; and
 - (ii) The cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation; and
3. In the case of construction materials, that all manufacturing processes for the construction material occurred in the United States.

"Project" means the construction, alteration, maintenance or repair of infrastructure in the United States.

Frequently Asked Questions about the "Build America, Buy America Act"

For more information about the implementation of the "Infrastructure Investment and Jobs Act" and the "Build America, Buy America Act" at NSF, please see "Frequently Asked Questions" on the [NSF Build America, Buy America website](#). If you have a question that is not covered in the FAQ, please contact your cognizant NSF Program Officer or Grants and Agreements Officer.

How to Submit an NSF Waiver Request

For more information about the submission of a waiver request to NSF, please see "Guidance on Submission of an NSF Waiver Request" on the [NSF Build America, Buy America website](#). If you have a question which is not covered in the document, please contact your cognizant NSF Program Officer or Grants and Agreements Officer.

How to Submit a Public Comment on an NSF Waiver Request

For more information about submitting a public comment on a waiver request to NSF, please see "How to Submit a Public Comment" on the [NSF Build America, Buy America website](#). If you have a question that is not covered in the document, please contact your cognizant NSF Program Officer or Grants and Agreements Officer.