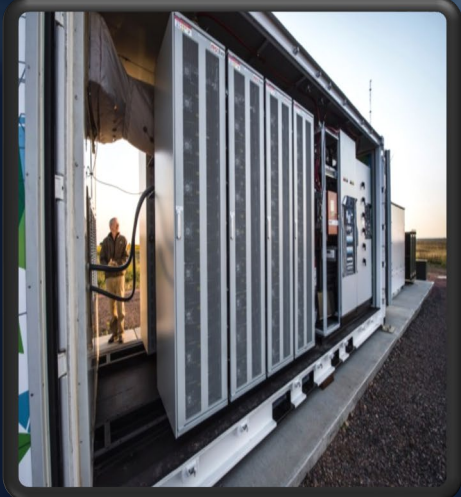


August 18,
2023



U.S. DEPARTMENT OF
ENERGY

OFFICE OF THE UNDER SECRETARY FOR
INFRASTRUCTURE



BIL and IRA Implementation at DOE

Jeremiah Baumann
Senior Advisor and Director of Policy & Implementation
Office of the Under Secretary for Infrastructure
U.S. Department of Energy

Agenda

- **Introduction to the Under Secretary for Infrastructure**
- **Overview of BIL and IRA**
 - Grant Application Process
 - Program Highlights
 - Technical Assistance and Resources
- **Q&A/Discussion**

Our Mission

Catalyzing the nation's equitable transition to a clean, secure, affordable, and resilient

energy system



Lowering energy bills
for households and
businesses



Creating good jobs
and boosting energy
supply chains and
domestic
manufacturing



Advancing world-class,
next generation clean
energy technology
demonstrations



Making the energy
system more secure,
reliable, and resilient



New Mandates and Unprecedented Funding

Hydrogen

Buildings: efficiency & electrification

Carbon Management

Energy Storage

Electric Grid

Cybersecurity

\$90B in Grants and Rebates
\$250B+ In Loans and Loan Guarantees

Critical Minerals/Materials

Domestic Supply Chains

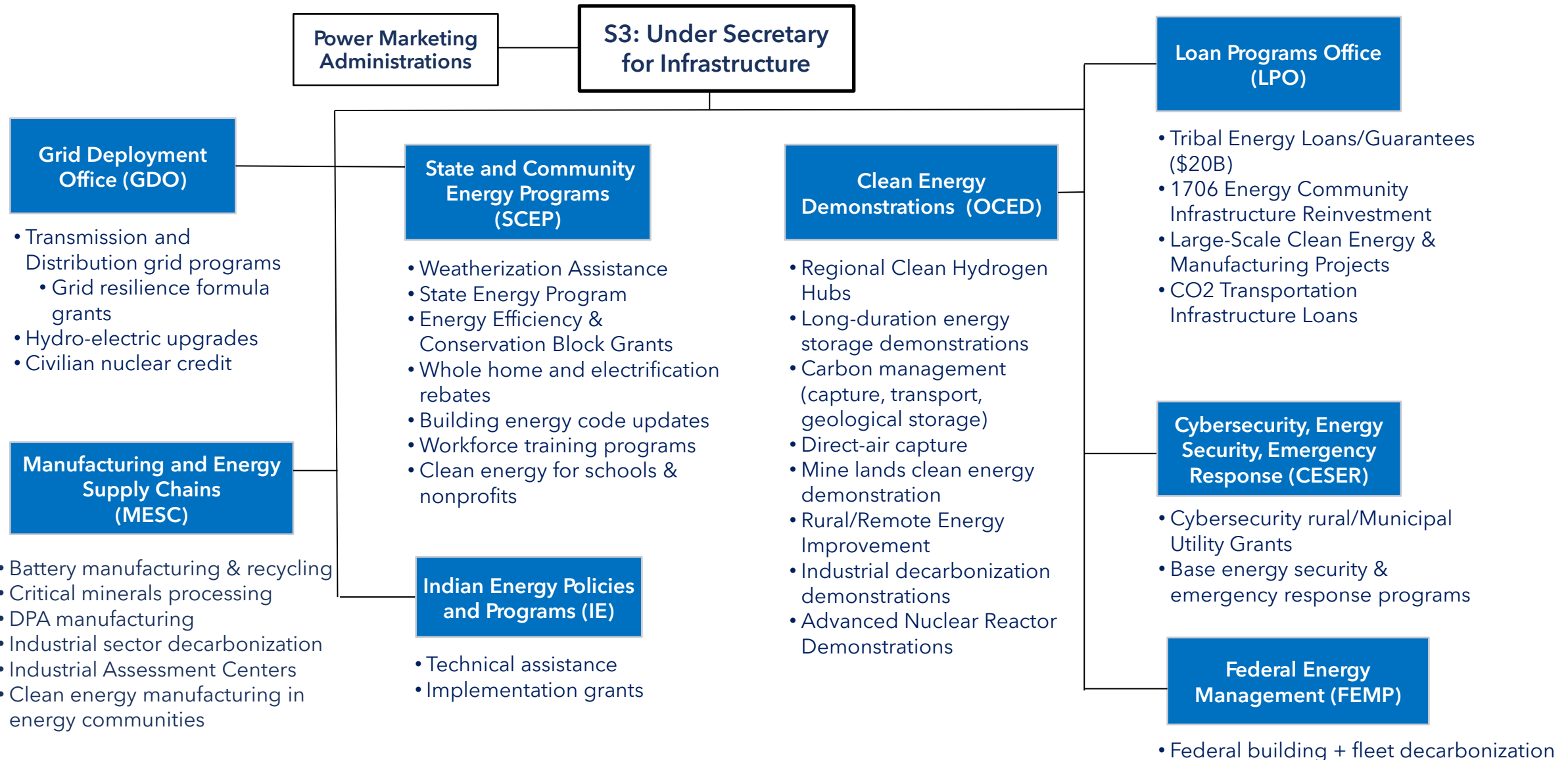
EVs and Chargers

State, Local, Tribal Partnership

Workforce

Clean Energy Projects

Our Offices are Organized Around these New Investments



Embedding Key DOE Priorities into Our Work

Justice 40

Meet or exceed objectives of the Justice40 initiative that 40% of benefits accrue to disadvantaged communities

Diversity, Equity, Inclusion, and Accessibility

Equitable access to wealth building opportunities

- teaming, access to good jobs, business and contracting opportunities, etc.

Good Jobs

Create good-paying jobs, attract and retain skilled workers, and ensure workers have a voice on decisions that affect them

- wages, working conditions, safety, etc.

Workforce and Community Agreements

Meaningful engagement with community and labor partners leading to formal agreements

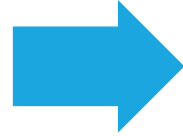


Community Benefits Plans are required for most programs and are a scored component of the application

Engaging with DOE Competitive Funding Opportunities

Request for Information (RFI)

- This is your opportunity to provide feedback on how DOE designs our programs
- Help us understand challenges and opportunities
- Provide your perspective and expertise



Notice of Intent (NOI)

- Overview of DOE's proposed funding opportunity
- See where and how we are targeting spending
- Understand if a funding opportunity could be right for you



Funding Opportunity Announcement (FOA)

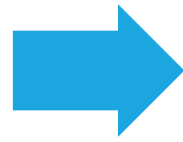
- Submit your proposal, project plan, and supporting documents
- Demonstrate why your project will be successful and maximize impact
- Bring together a strong applicant team

Attend Program Specific Stakeholder Engagement Events and Webinars

Engaging with DOE Formula Opportunities

Formula Allocations

- State/local governments and Tribes are allocated certain amounts of money
- The formulas for determining who gets how much are often set by Congress in statute



Administrative and Legal Requirements Document (ALRD)

- Serves as DOE's solicitation of grant applications
- Conveys eligibility criteria, application requirements, and deadlines



Formula Application

- Submit materials, implementation plan, and supporting documents
- Demonstrate why your project will be successful and maximize impact

Attend Program Specific Stakeholder Engagement Events and Webinars

Clean Energy Tools for Communities

- **\$3.5 billion** for Weatherization Assistance Program

- **\$8.8 billion** for home energy efficiency & electrification rebates

- **\$500 million** Renew America's Schools grants
 - \$80M round awardees announced June 29, next round coming in FY24

- **\$50 million** Renew America's Nonprofits grants for non-profit building efficiency

- **\$10.5 billion** for Grid Resilience and Innovation Partnerships Program (GRIP)

- **\$1.225 billion** for building energy codes
 - \$225M for general codes updates
 - \$1 billion for latest code or advanced (electrification-ready, net-zero, etc.) codes, including Building Performance Standards [cities eligible]

- **\$5 billion** for EV charging network

- **\$4 billion for heavy-duty and port electrification** (EPA)

- **\$550 million for small + medium manufacturer efficiency + emissions reduction**

- **\$550 million** for Energy Efficiency and Conservation Block Grants

Economic Development Anchor Opportunities

- **\$7+ billion advanced battery & component** manufacturing (including critical mineral/material processing)
- **\$2 billion** domestic conversion grants for **auto supply chain/component** manufacturers to upgrade/convert to **EV supply chain/component** manufacturing
- **\$6 billion** major facility industrial emissions reduction demonstrations
- **7\$ billion Hydrogen hubs**
- **\$10 billion 48C tax credit for manufacturing, industrial emissions reduction, critical materials/minerals processing**

Anchor Opportunity: Battery Manufacturing

Battery Material Processing and Manufacturing Grants

- **Overview:** Grants for demonstration projects, construction of commercial-scale facilities, and retrofit and retooling of existing facilities for battery component manufacturing, advanced battery manufacturing, battery material processing, and recycling.
- **Funding:** \$3 billion remaining (\$1.5B for processing; \$1.5B for manufacturing/recycling)
- **Eligible Entities:** Non-profit and for-profit private entities, state and local governments, institutions of higher education, National Labs, and consortia of these entities.
- **Status:** First round selections announced last Fall. Second round FOA opening this Fall.

Program Spotlight: Home Energy Rebates

Home Efficiency Rebates

- **Overview:** Rebate program administered by states and Tribes for consumers who purchase home energy efficiency upgrades that are predicted to save at least 20% of the home's energy use
- **Funding:** \$4.3B (about \$130M for PA)
- **Eligible Entities:** States, who then administer these programs to households
- **Status:** Applications are open for states to apply for their funding allocations

Home Electrification & Appliance Rebates

- **Overview:** Rebate program administered by states and Tribes for consumers who purchase high efficiency home appliances and equipment
- **Funding:** \$4.3B (about \$129M for PA)
- **Eligible Entities:** States, who then administer these programs to low- and moderate-income households
- **Status:** Applications are open for states to apply for their funding allocations

Anchor Opportunities: Industrial Decarbonization and H2Hubs

Industrial Emissions Program

- **Overview:** Projects that focus on the highest emitting and hardest to abate industries where decarbonization technologies can have the greatest impact: iron and steel, cement and concrete, chemicals and refining, food and beverage, paper and forest products, aluminum, other energy-intensive manufacturing industries and cross-cutting technologies.
- **Funding:** \$6.3 billion
- **Eligible Entities:** Technology developers; industry; manufacturers; National Labs; universities; engineering/construction firms; state and local governments; environmental groups; and community-based organizations.
- **Status:** Applications closed August 11.

Regional Clean Hydrogen Hubs (H2Hubs)

- **Overview:** Six to 10 regional clean hydrogen hubs, which will create networks of hydrogen producers, consumers, and local connective infrastructure to accelerate the use of hydrogen as a clean energy carrier.
- **Funding:** Up to \$7 billion
- **Eligible Entities:** Technology developers; industry; utilities; engineering/construction firms; state and local governments; environmental groups; and community-based organizations.
- **Status:** Applications closed in April; selections expected this Fall.

Program Spotlight: Renew America's Schools & Nonprofits

Renew America's Nonprofits

- **Overview:** Grants to support the installation of materials to reduce energy use in buildings owned and operated by 501(c)(3) nonprofits
- **Funding:** \$50 million
- **Eligible Entities:** Prime recipients are 501(c)(3) orgs who build a portfolio of Subrecipients and provide technical assistance to them.
- **Status:** Full applications due 8/3. First award announcements expected Fall 2023.

Renew America's Schools

- **Overview:** Grants to support energy infrastructure improvements at public school facilities that reduce building operating costs
- **Funding:** \$500 million total
- **Eligible Entities:** Public schools/school districts/local educational agencies (LEAs)
- **Status:** First round selections announced in July. Second round of funding expected Spring 2024.

Program Spotlight: Grid Cybersecurity

Rural and Municipal Utility Advanced Cybersecurity Grant and Technical Assistance Program

- **Overview:** Grants to deploy advanced cybersecurity technologies for electric utility systems and to increase the participation of eligible entities in cybersecurity threat information sharing programs.
- **Funding:** \$250 million
- **Eligible Entities:** Rural electric co-ops; municipally-owned electric utilities; other state-owned utilities; small investor-owned utilities.
- **Status:** Funding opportunity announcement in the coming weeks via the Office of Cybersecurity, Energy Security, and Emergency Response (CESER).

Energy Savings Hub




Air Conditioners (energy efficient)


[MORE INFO ON AIR CONDITIONERS](#)

Incentive Type: Tax Credit ✕

Incentive Amount: 30% of the cost paid by the consumer, up to \$600.

How to Access: Submit [IRS Form 5695](#) if you meet the [requirements detailed on IRS.gov](#).

 Subject to a cumulative, annual cap of \$1,200.

 Believe it or not, another option for energy-efficient home cooling is a heat pump, which provides both air conditioning and heating! Credits exist for both air-source and geothermal heat pumps, which could save you additional money on your monthly costs in the long-run.

www.energy.gov/save

The Energy Savings Hub is a comprehensive tool that shows consumers how they can save money on energy efficient appliances and equipment through tax credits, rebates, and other incentives.

Technical Assistance and Engagement



SCEP State and Local Solution Center (SLSC)

Resource hub for state and local governments as well as K-12 school districts.



SCEP hosts a variety of webinars with a specific focus on soliciting stakeholder input and providing information to help apply for and deploy DOE programs effectively and efficiently.



Visit: www.energy.gov/scep/slsc

Other TA and Assistance

While DOE cannot provide applicants assistance in filling out applications many programs have technical assistance options to help understand technology and project options.

We also have partnerships with other agencies, including [EPA's Thriving Community Technical Assistance Centers](#) (EJ TCTACs).

PA is part of the Region 3 TCTAC, led by the National Wildlife Federation. Overbrook Education Center (Philadelphia) serves as the PA hub.

Planning Support and TA for Communities

Funded programs with flexible/planning-oriented planning & other technical assistance opportunities

- Energy Efficiency & Conservation Block Grants
- State Energy Program
- State grid resilience and grid modernization programs

Other technical assistance opportunities

- Clean Energy to Communities
 - Connects local governments, electric utilities, community-based groups, with experts from DOE labs and customized analysis
- Communities LEAP
 - Community-driven energy transition planning
- Interagency Working Group on Energy Communities

FUNDING ANNOUNCED

- Hydrogen Hubs
- Grid Programs
- Transmission Facilitation Program
- Battery Supply Chains
- Weatherization
- State Energy Program
- Long Duration Energy Storage
- Carbon Management Programs
- Advanced Reactor Demos
- State Revolving Loan Funds
- Civil Nuclear Credit
- Energy Efficiency and Conservation Block Grants
- Direct Air Capture Hubs
- Energy Improvements in Rural and Remote Communities
- Industrial Decarbonization
- Home Energy Rebates
- Advanced Energy Manufacturing and Recycling Grant Program
- Hydroelectric Incentives



**\$61
Billion**



U.S. DEPARTMENT OF
ENERGY

OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY
INFRASTRUCTURE

Where we're going - \$37B more



- Energy Infrastructure Reinvestment Program**
- Transmission Financing**
- Building Energy Code improvements**
- Federal Building Decarbonization (AFFECT)**



Stay Connected

Visit **ENERGY.GOV/INFRASTRUCTURE** for announcements and sign up for email updates and follow us on social media **@EnergyDeploy**.

Browse **Frequently Asked Questions (FAQs)** for answers to commonly asked questions.



Clean Energy Infrastructure Programs at Department of Energy

DOE Bipartisan Infrastructure Law and Inflation Reduction Act Programs

Search:

Federal Law	PROGRAM NAME	DOLLARS
<input type="checkbox"/> Bipartisan Infrastructure Law	Advanced Energy Manufacturing and Recycling Grant Program	\$700,000,000
<input type="checkbox"/> Inflation Reduction Act	Advanced Industrial Facilities Deployment Program	\$5,812,000,000
	Advanced Sector Transformation Program	\$2,477,000,000
	Advanced Smart Energy Manufacturing Initiative	\$20,000,000

Showing 1 to 62 of 67 entries

Find **funding opportunities** and access detailed **program information**.

Contact Us

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Thank you.



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