



# DOE Community Engagement Panel

Jeremiah Rivera

# Office of Community Engagement

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Jeremiah Rivera, November 21, 2024



U.S. DEPARTMENT OF  
**ENERGY**

# Today's Agenda

1. OCE Mission & Team
2. Dashboard Tools
3. Technical Assistance
4. DOE Funding Opportunities
5. Other Important Resources

# **OCE Mission & Team**

# Transformative Opportunities

- DOE charged to catalyze rapid transition to clean energy economy
- Centered on justice, equity & inclusion
- **\$62B** through Bipartisan Infrastructure Law (BIL)
- **\$35.5B** through Inflation Reduction Act (IRA)
- Clean energy projects, workforce development, EV tech, grid optimization, building efficiency, research funding, technology commercialization, loan programs and more!



# Who Is OCE?

- Established at request of Secretary of Energy Jennifer Granholm
- Office of Community Engagement (OCE) serves as central hub for the U.S. Department of Energy's (DOE) engagement efforts.
- OCE helps connect communities with expertise & resources to advance THEIR clean energy goals.



# Mission & Key Functions

## Mission

- Increase DOE engagement with communities & strengthen internal coordination
- DOE's commitment:
  - Access to DOE for EVERY community, with off-the-shelf resources available for all.
  - Proactive, strategic engagement with communities across every region.
  - Ability to provide additional capacity to give in-depth assistance to specific communities

## OCE Key Functions

- **Capacity Building**: Equip stakeholders with the necessary knowledge and resources to effectively navigate the clean energy landscape.
- **Technical Assistance**: Provide in-depth technical assistance to select communities, tailored to their specific needs and clean energy goals.
- **Expertise Mobilization**: Leverage the expertise of DOE offices across the department to enrich community engagement efforts.

# Connect With Your Engagement Specialist

**Northeast:** Genevieve Kruse

[Genevieve.Kruse@hq.doe.gov](mailto:Genevieve.Kruse@hq.doe.gov)

**Mid-Atlantic / Appalachia:** Kerene Tayloe;

[Kerene.Tayloe@hq.doe.gov](mailto:Kerene.Tayloe@hq.doe.gov)

**Midwest:** Rose Dady; [Rose.Dady@hq.doe.gov](mailto:Rose.Dady@hq.doe.gov)

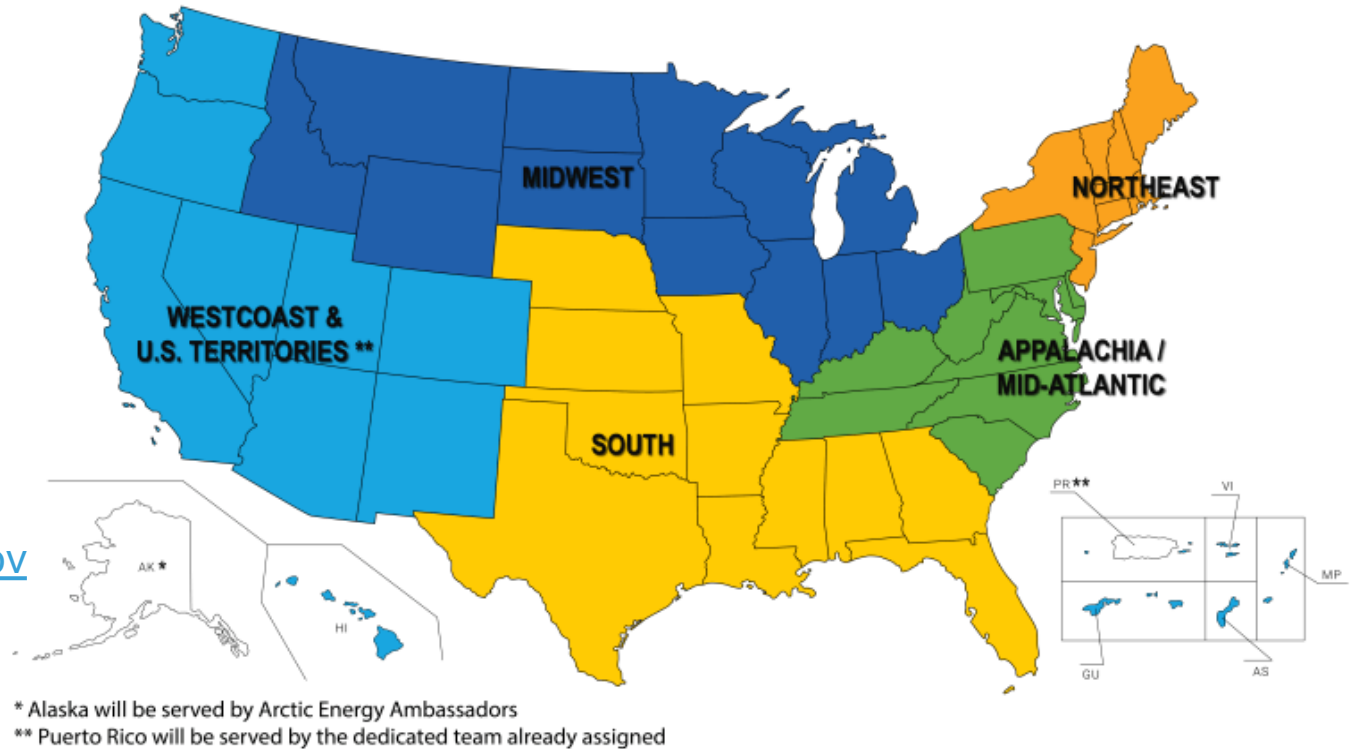
**South:** Jeremiah Rivera; [Jeremiah.Rivera@hq.doe.gov](mailto:Jeremiah.Rivera@hq.doe.gov)

**West & U.S. Territories:** CeCe Horbat

[Celina.Horbat@hq.doe.gov](mailto:Celina.Horbat@hq.doe.gov)

**Rural & Tribal:** Peter Olivares

[Peter.Olivares@hq.doe.gov](mailto:Peter.Olivares@hq.doe.gov)



Contact us at:

Get Engaged Hotline: 202-586-0822

Get Engaged Email Address: [getengaged@hq.doe.gov](mailto:getengaged@hq.doe.gov)

Connect with us on LinkedIn:

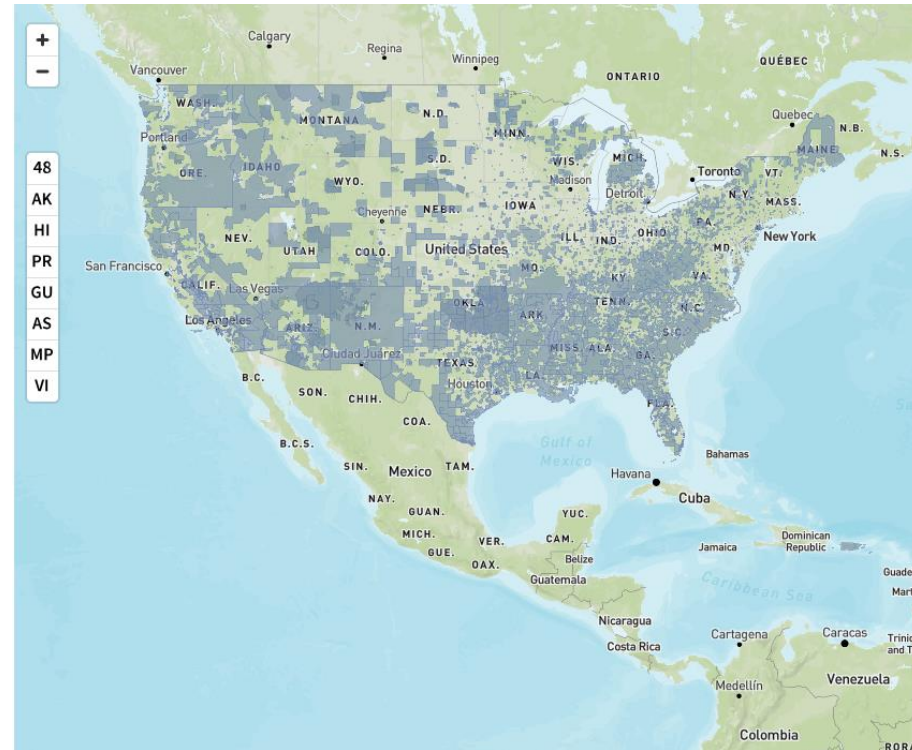
<https://www.linkedin.com/company/doe-office-of-community-engagement>



# Dashboard Tools



# Climate & Economic Justice Screening Tool


- Helpful when:
  - You want to learn about Disadvantaged Communities referenced in Justice40 initiatives
  - 36 different indicators
  - Downloadable spreadsheet form
- By Census Tract
- Visit at:  
<https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>






to see information about any census tract.

## Things to know:

The tool uses census tracts . Census tracts are a small unit of geography. They generally have populations  of between 1,200 - 8,000 people.

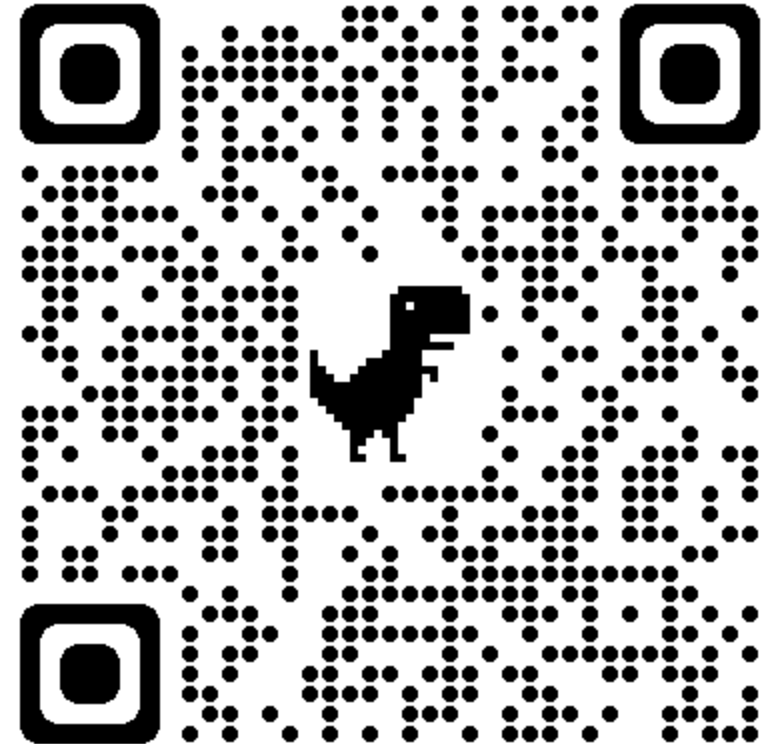
Communities that are disadvantaged live in tracts that experience burdens. These tracts are highlighted  on the map.

The tool ranks most of the burdens using percentiles . Percentiles show how much burden each tract experiences when compared to other tracts.

Thresholds , or cutoffs, are used to determine if communities in a tract are disadvantaged. Certain burdens use percentages .

# Let's Practice!

- I'll do a demo
- Pull out your phones and follow along!
- Questions to consider
  - What is surprising to you?
  - What ISN'T surprising?
  - Do the results align with organizational priorities?



# Climate & Economic Justice Screening Tool



## Projected flood risk

Projected risk to properties from projected floods, from tides, rain, riverine and storm surges within 30 years

**97th**

above 90th percentile

# Climate & Economic Justice Screening Tool

## Low income

People in households where income is less than or equal to twice the federal poverty level, not including students enrolled in higher ed

**79<sup>th</sup>**

above 65<sup>th</sup>  
percentile

## Diabetes

Share of people ages 18 years and older who have diabetes other than diabetes during pregnancy

**94<sup>th</sup>**

above 90<sup>th</sup>  
percentile

## Expected building loss rate

Economic loss to building value resulting from natural hazards each year

**91<sup>st</sup>**

above 90<sup>th</sup>  
percentile

# Climate & Economic Justice Screening Tool

## Lack of indoor plumbing

Share of homes without indoor kitchens or plumbing

**98th**

above 90th percentile

## High school education

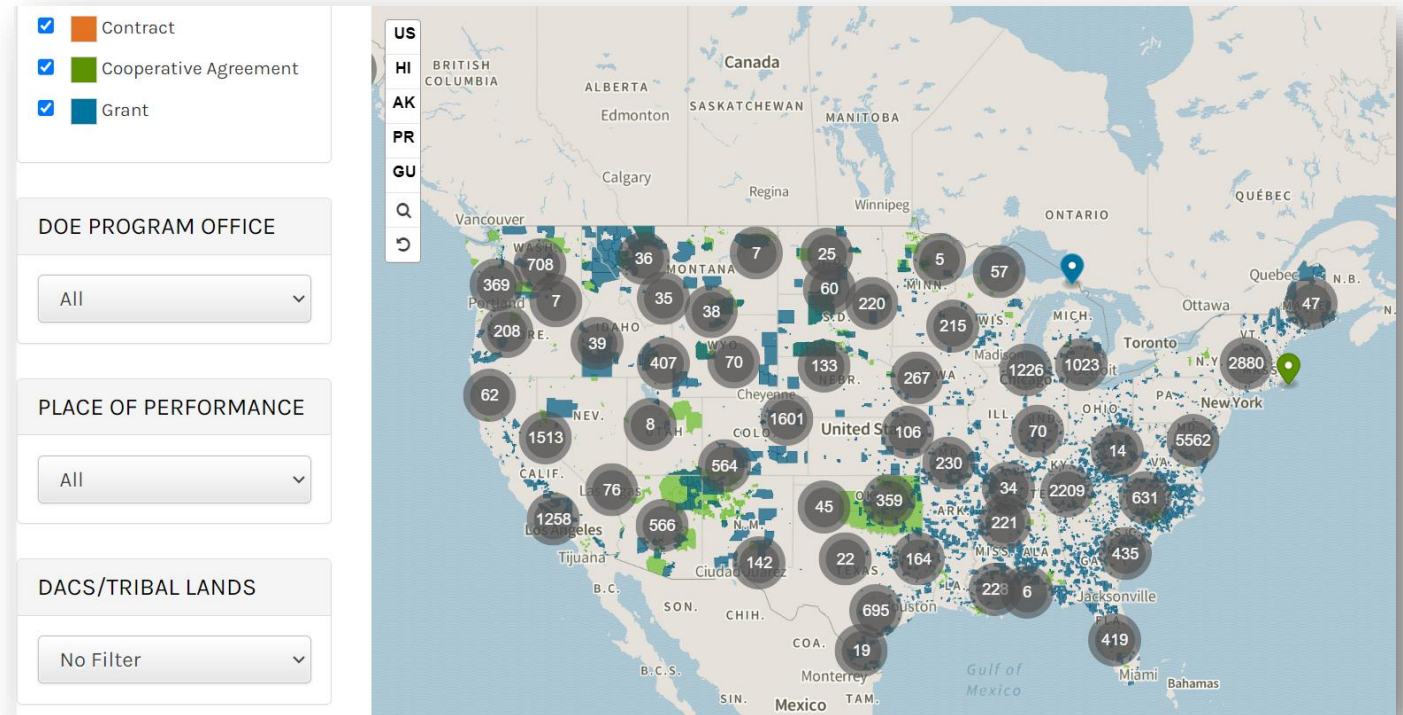
Percent of people ages 25 years or older whose high school education is less than a high school diploma

**28%**

above 10% percent

# Energy Justice Dashboard (BETA)

- Helpful when:
  - You want to learn which DOE investments are distributed in communities
  - Data from 2019 to present
  - Overlays investments and various Disadvantaged Communities (DACs) measures
- Visit at:  
<https://www.energy.gov/justice/energy-justice-dashboard-beta>



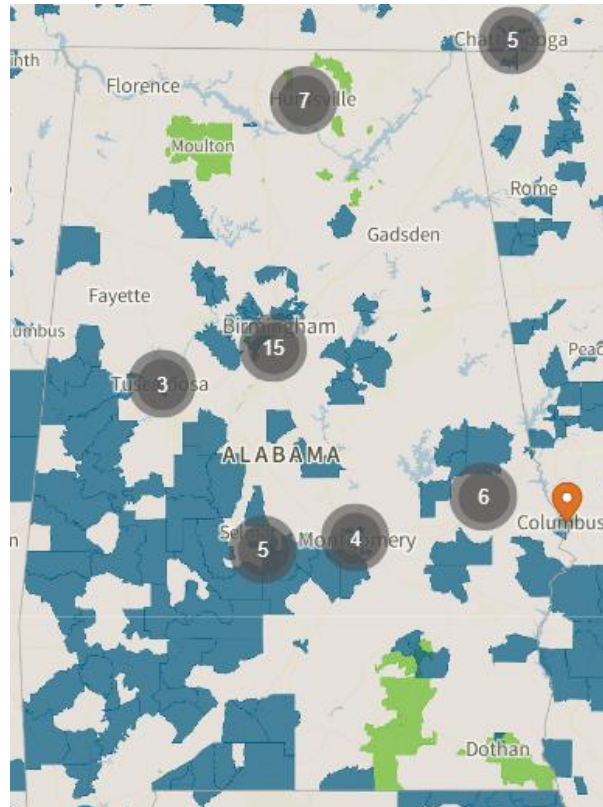
# Let's Practice

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# Energy Justice Dashboard (BETA)



Show 25 ▾ entries

Showing 1 to 21 of 21 entries (filtered from 26,484 total entries)

Search: Alabama

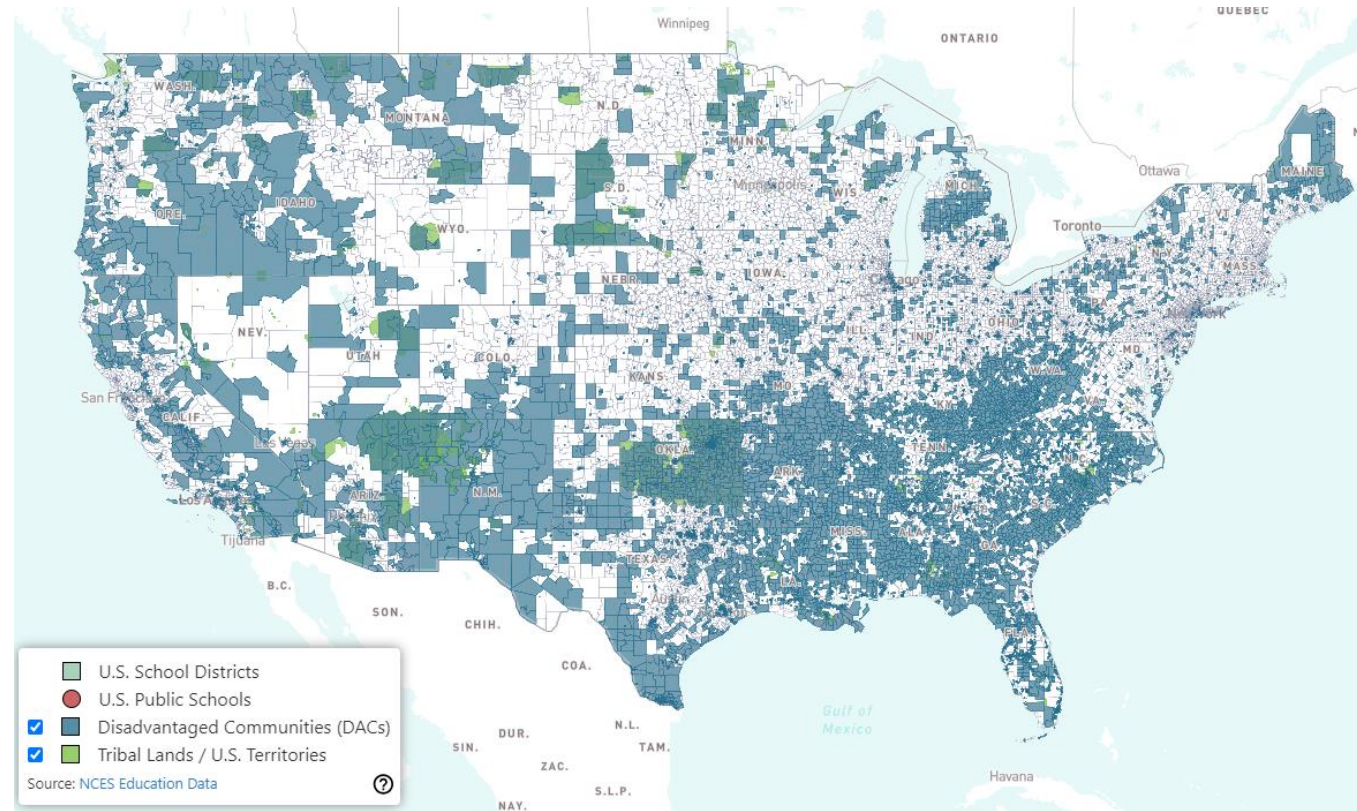
Previous

1

Next

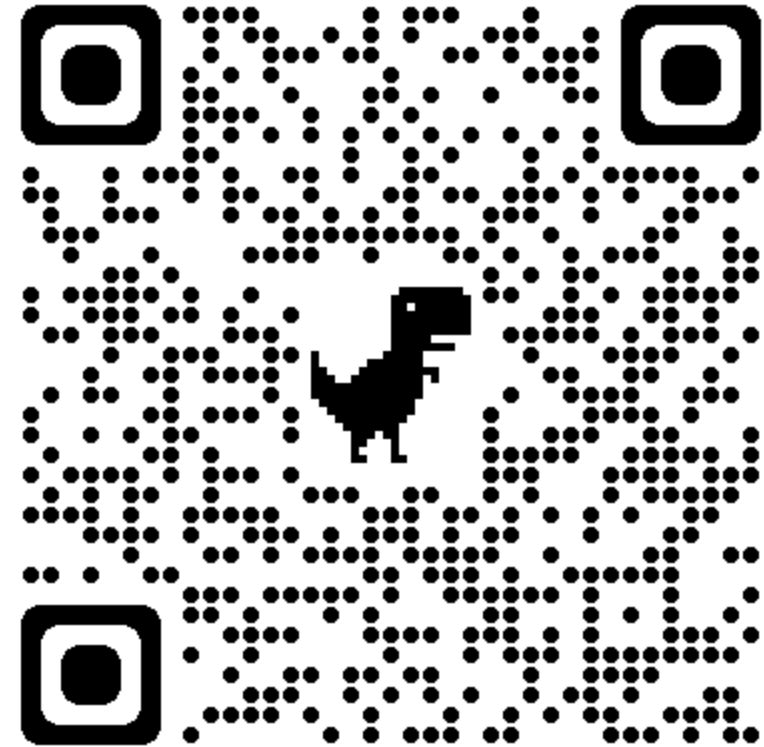
# School Tool

- Helpful when:
  - You want to learn about individual schools and districts in DACs, rural location, or Title I
  - Data from 2019 to present
- Visit at: <https://energyjustice-schools.egs.anl.gov/>



# Let's Practice

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- Questions to consider
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# School Tool

**SCHOOL** 483744004202



- Name: Lotspeich Leadership Academy
- State: Texas
- County: Nueces County
- District: Robstown Isd

**Type:**

**Level:**

**# of Students:**

Regular school

Elementary

348

## School Indicators

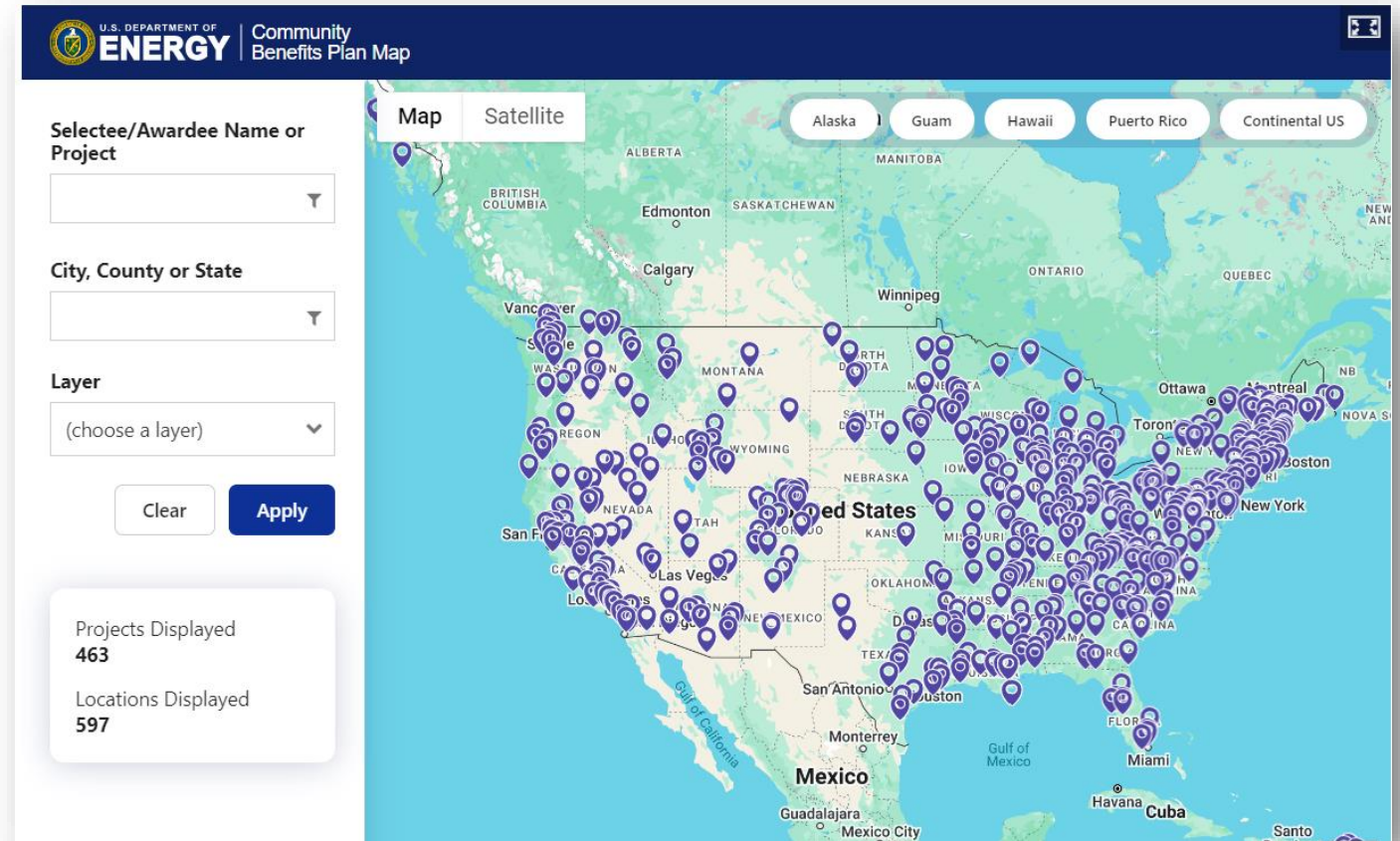
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Indicator	Value	National Percentile
Located in a DAC	Yes	N/A
Rural Location	No	N/A
Title 1 Schoolwide Programming Eligible	Yes	N/A
Designated Community Shelter	No	N/A
Non-White %	98%	92%

Indicator	Value	National Percentile
Contains DAC?	Yes	N/A
Revenue Per Pupil	\$10,185.37	41%
Pupil Spending Gap	-\$2,114.38	50%
Non-White %	98%	90%

# Community Benefits Map for Demonstration & Deployment Projects

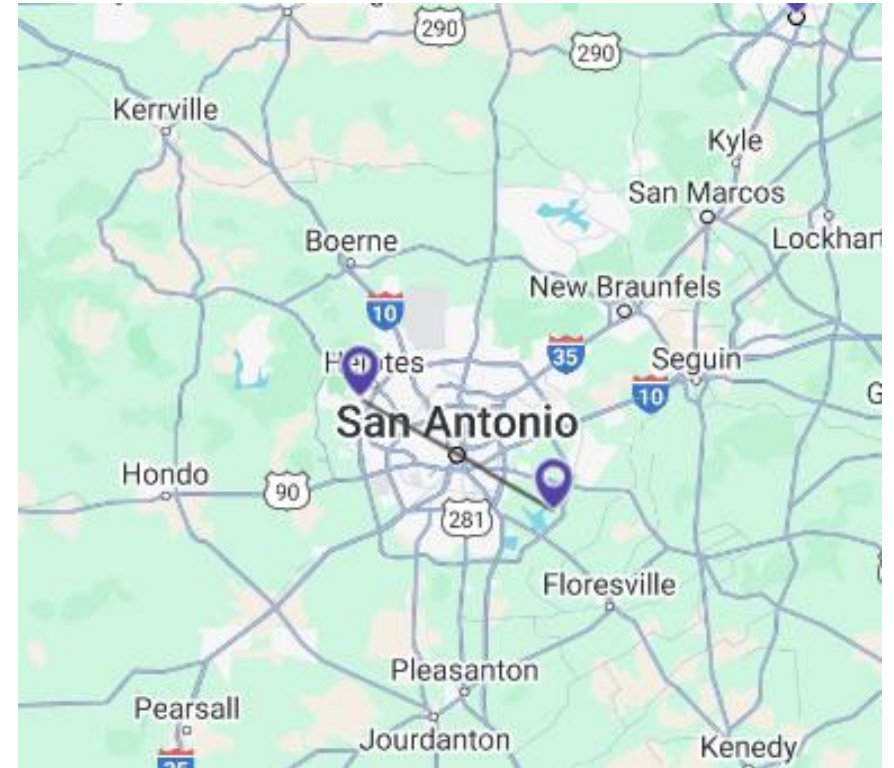
- Helpful when:
  - You want to learn about Bipartisan Infrastructure Law and Inflation Reduction Act benefits
  - Data from 2019 to present
- Visit at:  
<https://www.energy.gov/infrastructure/community-benefits-map-demonstration-and-deployment-projects>





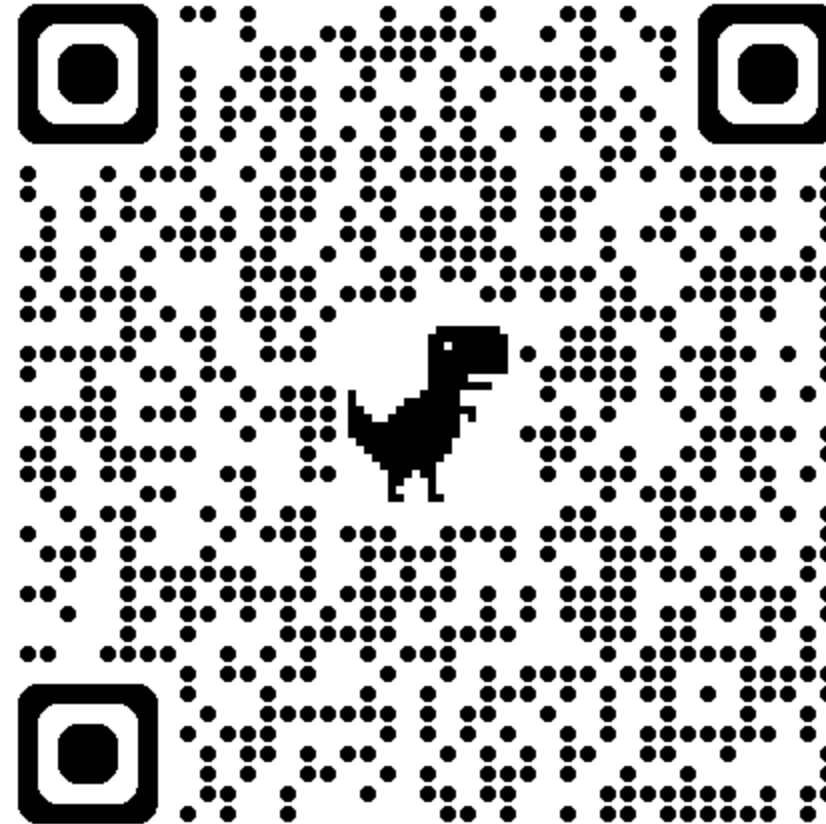
# Community Benefits Map for Demonstration & Deployment Projects

- Indicators include:
  - Community and workforce agreements – project labor agreements, collective bargaining agreements, community workforce agreements and community benefit agreements;
  - Community advisory councils
  - Other workforce benefits such as training, pre-apprenticeship and apprenticeship programs, local and targeted recruitment, public commitments to neutrality and supports like transportation and childcare.



# Community Benefits Map for Demonstration & Deployment Projects

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# Community Benefits Map for Demonstration & Deployment Projects

## CPS Energy

Grid Innovation Program

Federal Share  
**\$30,227,710**

Status  
**Awarded**

Location  
**San Antonio, TX**

[More Details](#)

## Community Energy Resilience Program

Federal Share  
**\$30,227,710**

Project Type  
**Deployment**

Named Partners

**Providing career-track training through National Joint Apprenticeship and Training Committee (NJATC), which builds and advances the skills necessary to meet the needs of the electric utility industry. Supporting union jobs in partnership with the International Brotherhood of Electrical Workers (IBEW). Partnering with local and diverse companies and subcontractors, which contributes to the economic growth of San Antonio.**

Workforce Benefits

**Pre-apprenticeship, Training, Apprenticeship, Local Recruitment, Targeted Recruitment**

[Fact Sheet](#)

[Community Energy Resiliency Program \(New Window\)](#)



# **Technical Assistance**

# C2c Clean Energy To Communities Program

- Free technical assistance for communities to achieve their clean energy goals
- Three different tracks offer a minimum of 40-60 hours of assistance
- Topics include renewable energy, energy efficiency or transportation electrification
- Visit <https://www.nrel.gov/state-local-tribal/clean-energy-to-communities.html> to learn more



# C2C Clean Energy To Communities Program



NREL Partners With Black Farmers' Collaborative To Plan Solar Panels for Florida Farms and Churches



Two Communities Find Electric Vehicle Options That Meet Local Goals Through Clean Energy to Communities



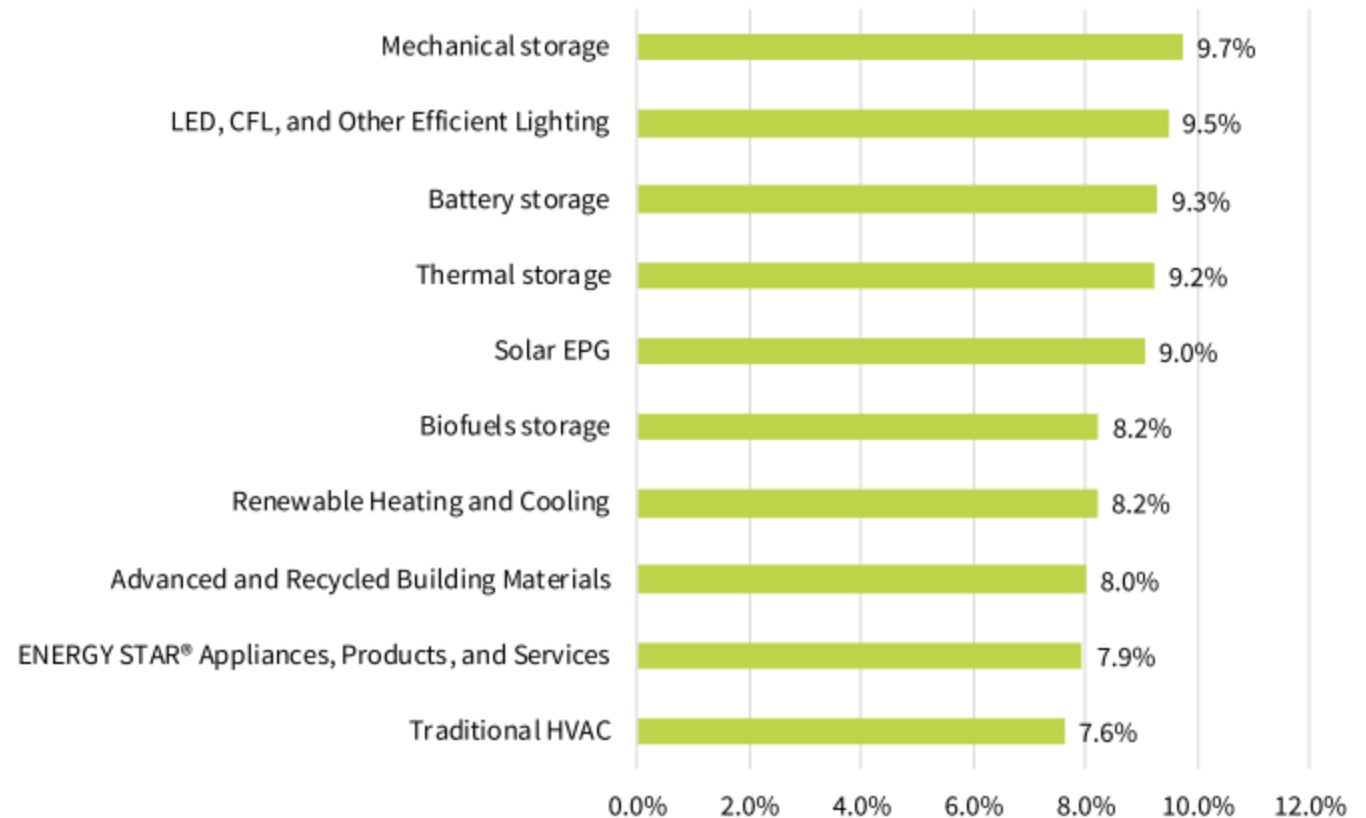
NREL Helps Cohoes Community With Floating Solar System and Historic Building Retrofits

# 2024 USEER Report

The U.S. Energy and Employment Report (USEER) is a comprehensive summary of national, state and county-level energy jobs, reporting by industry, technology, and region with data on unionization rates, demographics, and employer perspectives on growth and hiring.

Visit at: <https://www.energy.gov/policy/us-energy-employment-jobs-report-useer>

Figure 7. Highest Anticipated Growth by Detailed Technology, 2024<sup>34</sup>



# The Community Workforce Readiness Fellowship Overview (RAMP)

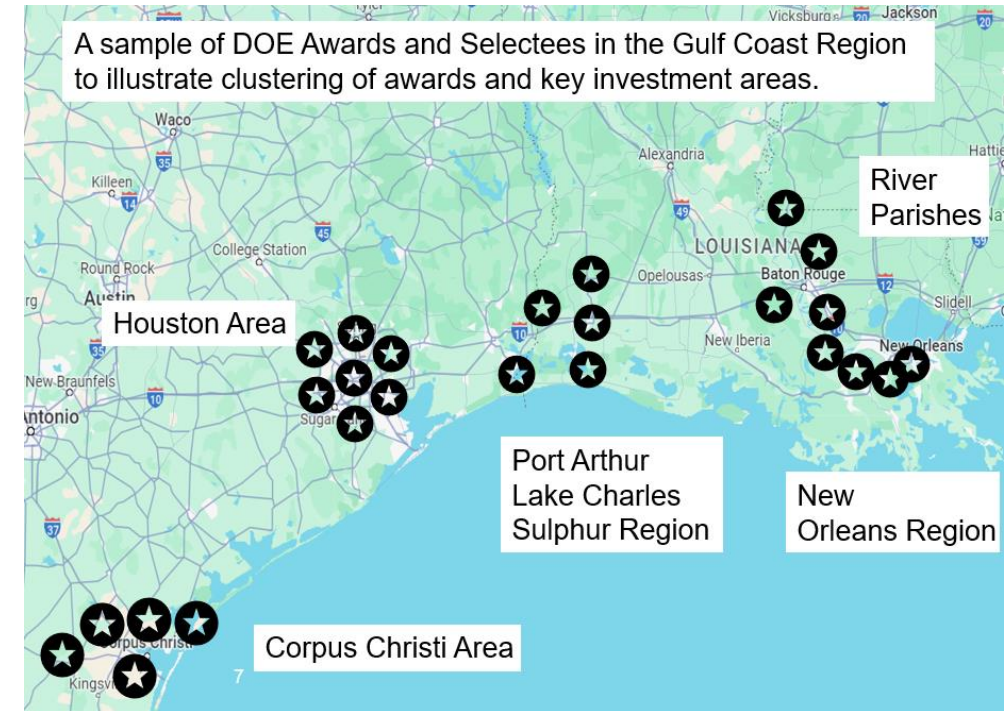
- Goal:
  - Pilot fellowship to recruit candidates from a wide range of backgrounds to learn how to develop and implement strategic workforce partnerships in their communities
  - Fellows to create workforce gap analysis, needs assessment, receive stakeholder engagement training & other professional development
  - **Outcome**: Build local capacity, facilitate partnerships, & provide technical assistance
- Meet the RAMP fellows at: <https://www.energy.gov/policy/2024-ramp-fellows>





# Regional Energy Democracy Initiative (REDI)

- Goal:
  - Groundbreaking program to empower U.S. Gulf South region via capacity building & TA to DOE clean energy investments
- Quick Facts
  - Foster collaboration among minority serving institutions, community-based orgs, and public & private partners to implement Community Benefits Plans
  - \$5M total



# Regional Energy Democracy Initiative (REDI)

- Host consortia-led convenings with key community and local partners to identify community-informed needs, investments, and benefits.
- Produce a **regional benefits strategy** that identifies public policy priorities, a regional analysis of specific industries with the greatest potential for economic development, and community-identified benefits and investment opportunities.
- Develop a **public-facing dashboard** to track DOE-funded projects in the region;
- Provide bi-monthly briefings and reports on results of convenings and analysis to EJE and DOE staff;
- Create a **framework for benefits measurement and tracking** across the region in collaboration with DOE; and
- Draft an **annual report** that includes updates on community convenings and key findings, recommendations on future strategy & engagements, updated metrics, and other relevant analysis.

# Resources & Funding



# **American Made Challenges**

# American Made Challenge/Prizes

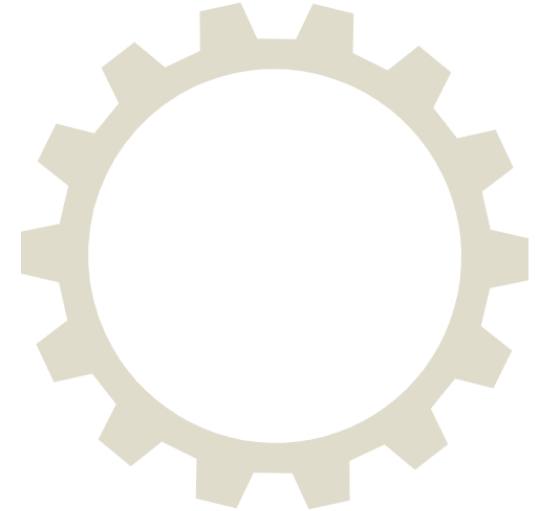
- American Made Challenges incentivizes innovation through prizes, training, teaming & mentoring
- Connects entrepreneurs & innovators to America's national labs and private sector
- Flexible
- <https://americanmadechallenges.org/>

## A revolution of bold ideas

We are looking for diverse and passionate innovators like you to lead the clean energy revolution by joining the U.S. Department of Energy's American-Made Challenges and Network.

## From imagination to marketplace

We are building an innovation engine composed of training, connections, teaming, mentoring, and prizes that aims to support our nation's most passionate innovators and fast-track bold new ideas.



# Good Jobs In Clean Energy Prize

- Prize Goal:
  - Encourage coalition-building in communities across the country that focus on creating quality jobs and fostering an equitable and inclusive workforce in clean energy sectors.
- Quick facts:
  - Three phased competition with over \$3M available
  - Phase 1: Coalition Formation
  - Phase 2: Coalition Action Plan
  - Phase 3: Implementation & Impact
  - **Eligibility:** Any place-based coalition with at least one organization from EACH of the following groups: labor organizations, clean energy employers, community-based organizations, public agencies, and education and workforce providers
  - **Deadline:** January 31, 2025 5 PM ET

## Important Links

- [Prize Page](#)
- [Application Page](#)



# LASSO Prize

- Prize Goal:
  - Bring multi-stakeholder teams that develop impactful projects to deepen our understanding of the co-location of solar photovoltaics (PV) and cattle grazing operations (cattle agrivoltaics).
- Quick facts:
  - Support pilot and pilot sites projects designed to gather and share information about costs, business models, and energy and agricultural outcomes associated with cattle agrivoltaics
  - Two tracks: Standard and Operating Projects
  - \$8.2M in total prizes
  - **Eligibility:** U.S. Based individuals, organizations, including solar developers, ranchers & farmers.
  - **Deadline:** March 6, 2025 at 5PM ET

## Important Links

- [Prize Page](#)

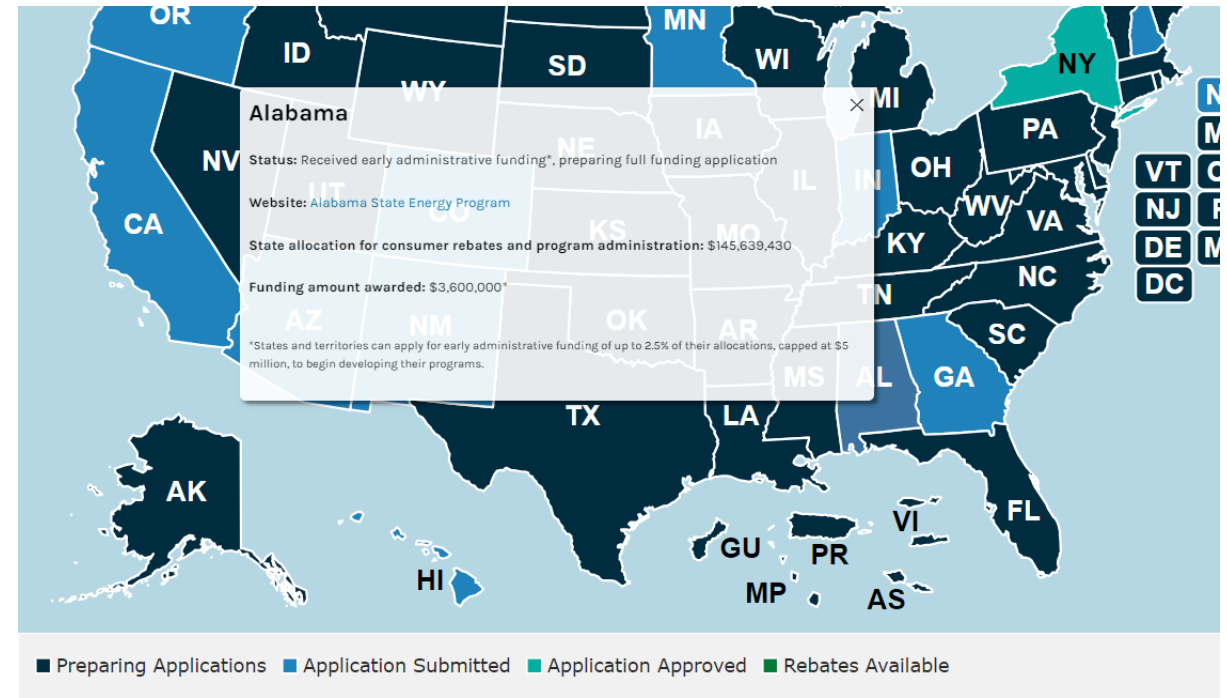


# Home Energy Rebates Program

- Program Goal:
  - Reduce energy costs for low-income households by increasing energy efficiency.
- Quick facts:
  - \$8.8 B for [Home Efficiency Rebates](#) and [Home Electrification And Appliance Rebates](#)
  - DOE estimates annual \$1B in energy bill savings & over 50K U.S. jobs
  - Inflation Reduction Act (IRA)
  - Most States have not submitted applications yet

## Important Links

- [Program Page](#)
- [State Rebate Tracker Status](#)



# Weatherization Assistance Program (WAP)

- Program Goal:
  - Reduce energy costs for low-income households by increasing energy efficiency.
- Quick fact:
  - **Annual** funding to state energy offices
  - “[Whole house weatherization](#)” approach – building envelope, heating & cooling, electrical system & baseload appliances through energy audit
  - Households save an average of \$372 or more per year.
  - Served more than 7 million households since 1976.

## Important Links

- [Program Page](#)
- [How to Apply](#)



# **Tax Credits & More**

# DOE Energy Savings Hub

- Resources for homeowners, renters, drivers, and energy tax credits & rebates
- Visit our [energy savings hub here](#)

EQUIPMENT TYPE	TAX CREDIT AVAILABLE FOR 2022 TAX YEAR	UPDATED TAX CREDIT AVAILABLE FOR 2023-2032 TAX YEARS
<b>Home Clean Electricity Products</b>		
Solar (electricity)	30% of cost	
Fuel Cells		
Wind Turbine		
Battery Storage	N/A	30% of cost
<b>Heating, Cooling, and Water Heating</b>		
Heat pumps	\$300	30% of cost, up to \$2,000 per year
Heat pump water heaters		
Biomass stoves		
Geothermal heat pumps	30% of cost	
Solar (water heating)		
Efficient air conditioners*	\$300	30% of cost, up to \$600
Efficient heating equipment*		
Efficient water heating equipment*	\$150	30% of cost, up to \$600
<b>Other Energy Efficiency Upgrades</b>		
Electric panel or circuit upgrades for new electric equipment*	N/A	30% of cost, up to \$600
Insulation materials*	10% of cost	30% of cost
Windows, including skylights*	10% of cost	30% of cost, up to \$600
Exterior doors*	10% of cost	30% of cost, up to \$500 for doors (up to \$250 each)
Home Energy Audits*	N/A	30% of cost, up to \$150
Home Electric Vehicle Charger	30% of cost, up to \$1,000	30% of cost, up to \$1,000 **
* Subject to cap of \$1200/year ** The IRS will soon publish further information on eligibility requirements related to home electric vehicle chargers, but we know that credits are intended for residents in non-urban or low-income communities.		



# Direct Pay (Elective Pay)

- Tax Credit Goal:
  - Tax-exempt and governmental entities will, **for the first time**, be able to receive a payment equal to the full value of tax credits for building qualifying clean energy projects
- [White House Guidance](#)
- [Informational Webinar](#)



[State, Local, and  
Territorial Governments](#)



[Tribal and Native Entities](#)



[Rural Energy  
Cooperatives](#)



[Other Tax-Exempt  
Entities](#)

# New Energy Efficient Homes Credit

- Tax Credit Goal:
  - Provides a tax credit for construction of new energy efficient homes
- Quick Facts
  - \$2,500 for new homes meeting Energy Star standards; \$5,000 for certified zero-energy ready homes.
  - For multifamily, base amounts are \$500 per unit for EnergyStar and \$1000 per unit for zero-energy ready.
    - 5 times the base amount if prevailing wage requirements are met
- Program Page
  - <https://energycommunities.gov/funding-opportunity/new-energy-efficient-homes-credit-26-u-s-code-%c2%a4-45l/>

# Energy Efficient Commercial Buildings Deduction – 26 U.S. Code § 179D

- Tax Credit Goal:
  - Provides a tax deduction for energy efficiency improvements to commercial buildings, such as improvements to interior lighting; heating, cooling, ventilation, and hot water; and building envelope
- Quick Facts
  - \$0.50-\$1 per square foot, depending on increase in efficiency, with deduction over four year periods capped at \$1 per square foot. Inflation adjusted.
  - Alternatively, taxpayers can deduct adjusted basis in “qualified retrofit plans” that reduce a building’s energy use intensity by at least 25%.
  - 5 times the base amount if prevailing wage requirements are met
- Program Page
  - <https://energycommunities.gov/funding-opportunity/energy-efficient-commercial-buildings-deduction-26-u-s-code-%c2%a4-179d/>
- Multi-family building must be 4 at least four stories

# Stay in Touch



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department-of-energy/](https://www.linkedin.com/company/u-s--department-of-energy/)



[energy.gov](https://energy.gov)

# Thank you!



# SEEA

SOUTHEAST ENERGY EFFICIENCY ALLIANCE

