

WELCOME



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**Interagency Working Group on Coal and Power
Plant Communities and Economic Revitalization**



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September 2022

Access the
Energy
Communities
IWG website



[Energycommunities.gov](https://energycommunities.gov)



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Check out
today's
agenda
here



Energycommunities.gov/events



Wi-fi Available

Network: SIU-Guest

Steps:

1. Enter your contact information
2. Receive a code to your phone
3. Enter the code



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Follow the Energy Communities IWG on social media!



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Welcome & Opening Remarks

- **Southern Illinois University System**
Dr. Daniel F. Mahoney, President
- **Energy Communities IWG**
Brian Anderson, PhD, Executive Director
- **U.S. Department of Agriculture Rural Development**
Farah Ahmad, Deputy Under Secretary
- **Delta Regional Authority**
Dr. Corey Wiggins, Federal Co-Chairman



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Bipartisan Infrastructure Law (BIL)



Bipartisan Infrastructure Law contains numerous provisions important to Energy Communities

- IWG agencies are preparing **more than \$100 billion** of infrastructure investments and funding opportunities in areas such as:

					
Transportation infrastructure in rural communities	Broadband access and deployment	Abandoned mine lands	Orphaned wells	Critical materials and rare earth elements	Clean water

The Inflation Reduction Act (IRA)



Tax Credit/Loan Guarantee

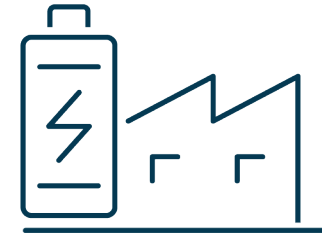
The Inflation Reduction Act authorizes **more than \$250 billion** for infrastructure and worker investments and helps revitalize economies of energy communities in areas such as:



\$250 Billion for
Redeveloping & Repurposing



Bonus Tax Credits for Clean
Energy Projects



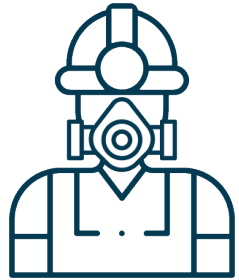
\$4 Billion Clean Energy
Manufacturing Tax Credits

The Inflation Reduction Act (IRA)

Energy Justice/Community



In addition, the IRA invests directly in the **energy workers, and their families**, who built this country.



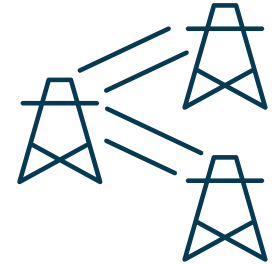
Black Lung Disability
Trust Fund
Reinstated



\$8 Billion Green
Bank for Energy
Communities



\$2.8 Billion Grants
for Energy
Communities



\$145 Million
Tribal Electrification

Register for the upcoming Industrial Assessment Centers Program Roundtable Discussion

Friday, September 30, 2022 | 1:30 – 2:30 p.m. EDT

Hosted by the U.S. Department
of Energy's Office of
Manufacturing and Energy
Supply Chains (MESCC).



<https://mailchi.mp/energycommunities.gov/kum0lwsqpt>



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Revitalizing Energy Communities in the Illinois Basin



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Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization



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September 2022

Agenda

	9:00 – 9:25 a.m.	Welcome & Opening Remarks
	9:25 – 10:35 a.m.	Regional Panel
	10:35 – 10:45 a.m.	Break
	10:45 – 11:55 a.m.	Federal Panel
	11:55 a.m. – 1:00 p.m.	Lunch
	1:00 – 2:15 p.m.	Breakout Sessions
	2:15 – 2:45 p.m.	Breakout Session Report Outs
	2:45 – 3:00 p.m.	Illinois Basin Stakeholder Next Steps
	3:00 p.m.	Closing Remarks

Coal & Power Plant Communities & Economic Revitalization



- The Interagency Working Group (IWG) was established by [Executive Order 14008](#), Sec. 218, on Jan. 27
- The IWG released an [Initial Report](#) with recommendations to catalyze robust economic activity and support workers in America's energy sector



Initial Report to the President on Empowering Workers Through Revitalizing Energy Communities, Released April 23, 2021

Prioritizing Those Most In Need of Support



- Identified **25** priority Energy Communities
- Coal communities identified as immediately challenged

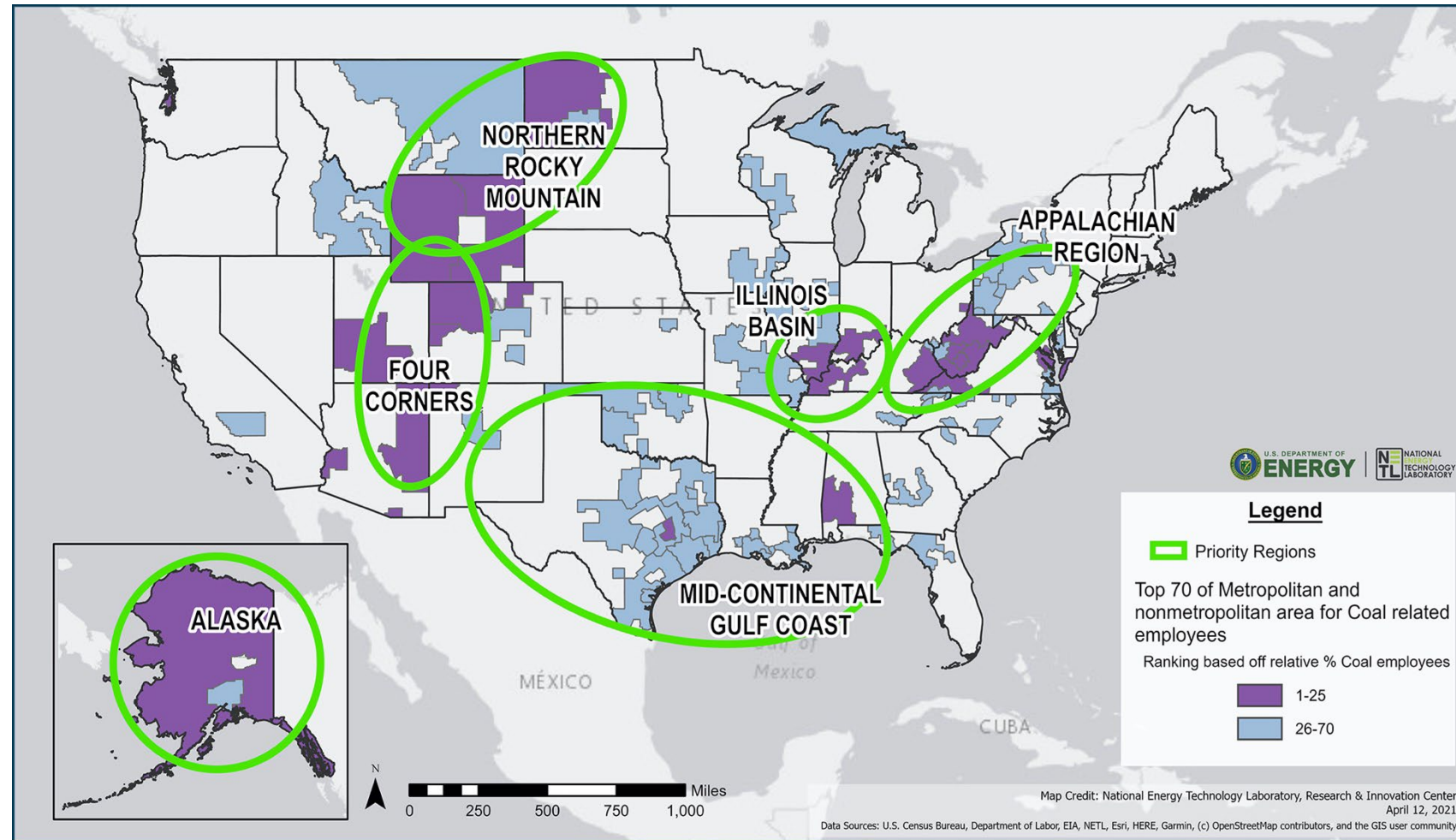


Figure 2 in the report. The IWG recommends focusing initial federal investments in areas with high concentrations of coal-dependent jobs.

Getting More Funds, to More Places, More Quickly



Upgrade
Infrastructure



Clean Up
Environmental
Damage



Promote
Entrepreneurship



Support Workforce
Development

Billions in Funding Opportunities Available: [EnergyCommunities.gov](https://www.energycommunities.gov)



We are delivering federal resources to help revitalize America's energy communities

GET FUNDING

Find out what your community or organization might be eligible to receive in grants, loans, technical assistance, or other support

[EXPLORE FUNDING CLEARINGHOUSE](#)

169
Open/Planned Opportunities Currently Available
(Last updated: 9/22/22)

68
Opportunities That Don't Require Matching Funds
(Last updated: 9/22/22)

\$195B+
Open/Planned Funding Available
(Last updated: 9/22/22)

[Learn about new Bipartisan Infrastructure Law funding -](#)

\$195B+
Value of Open/Planned Opportunities

Status Funding Type Program Purpose Eligible Recipient [Reset](#) Search: 92 posts

Title	Status	Funding Type	Department/Agency	Program Purpose	Eligible Recipients
Abandoned Mine Land (AML) Reclamation Program	Open	Grant - no match	U.S. Department of the Interior	Infrastructure, Water & Environment	Indian Tribe, State
Abandoned Mine Land Economic Revitalization (AMLER) Program	Open	Grant - no match	U.S. Department of the Interior	Infrastructure, Water & Environment	Indian Tribe, State
Advanced Biofuel Payment Program	Closed	Payment Program	U.S. Department of Agriculture	Infrastructure	Private Sector
Advanced Technology Vehicle Manufacturing Loan Program	Open	Loan	U.S. Department of Energy	Economic Development	Private Sector
American Rescue Plan Act (ARPA) Funding - Coal Community Commitment	Open	Grant - match required	U.S. Department of Commerce	Economic Adjustment, Economic Development, Infrastructure, Technical Assistance, Workforce Development	District Organization, Educational Institution, Indian Tribe, Local Government, Non-profit, State

169
Open/Planned Opportunities

11
Agencies Represented

68
Opportunities w/
no cost share

\$135+ in Bipartisan Infrastructure Law funding in Clearinghouse

Regional Panel

- **Southern Illinois University Carbondale**

Dr. Ken B. Anderson, Director, Advanced Energy Institute

- **Delta Regional Authority**

Brandi Bradley, Designee for Governor J.B. Pritzker (IL) to the Delta Regional Authority

- **Prairie Rivers Network**

Amanda Pankau, Energy Campaign Coordinator

- **Indiana 15 Regional Planning Commission**

Nathan Held, Senior Project Administrator

- **Southern Five Regional Planning District & Development Commission**

Tiffany George, Executive Director



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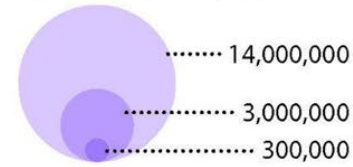


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Coal-Fired Power in Illinois, 2008 and 2020

Over the last decade, the power sector in Illinois has been undergoing a rapid transformation. In 2008, coal was used to generate 48 percent of all the electricity in the state; in 2020 it generated just 17 percent. Many of the remaining coal units will now retire in just a few years, leaving only five plants without retirement dates: Prairie State, Powerton, Waukegan, Dallman (unit 4) and Marion (units 1-3).

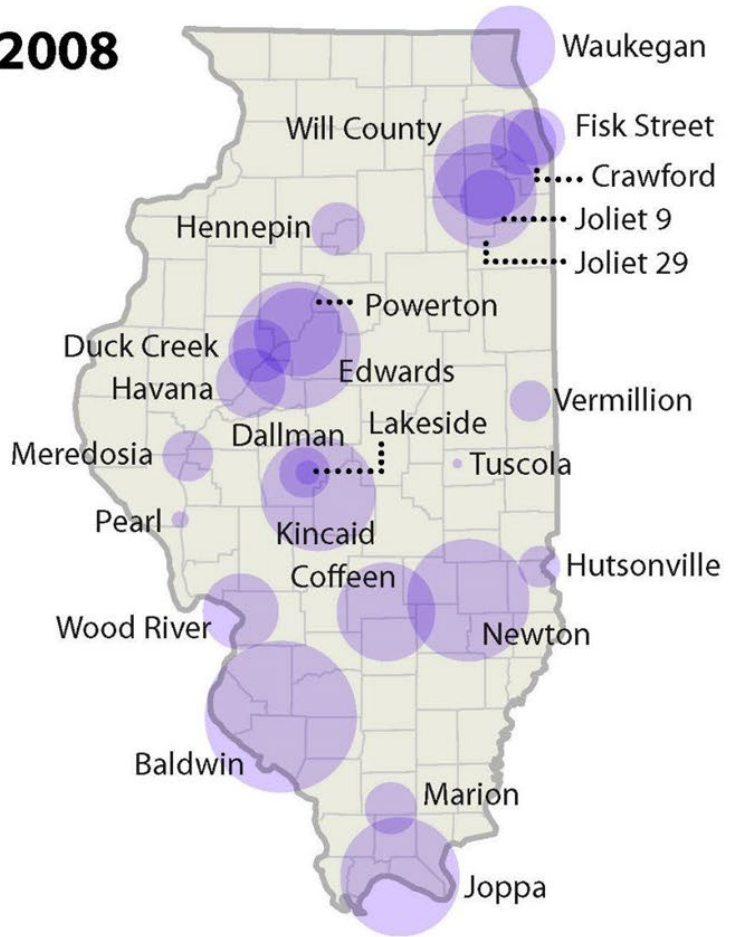
NET GENERATION, MW



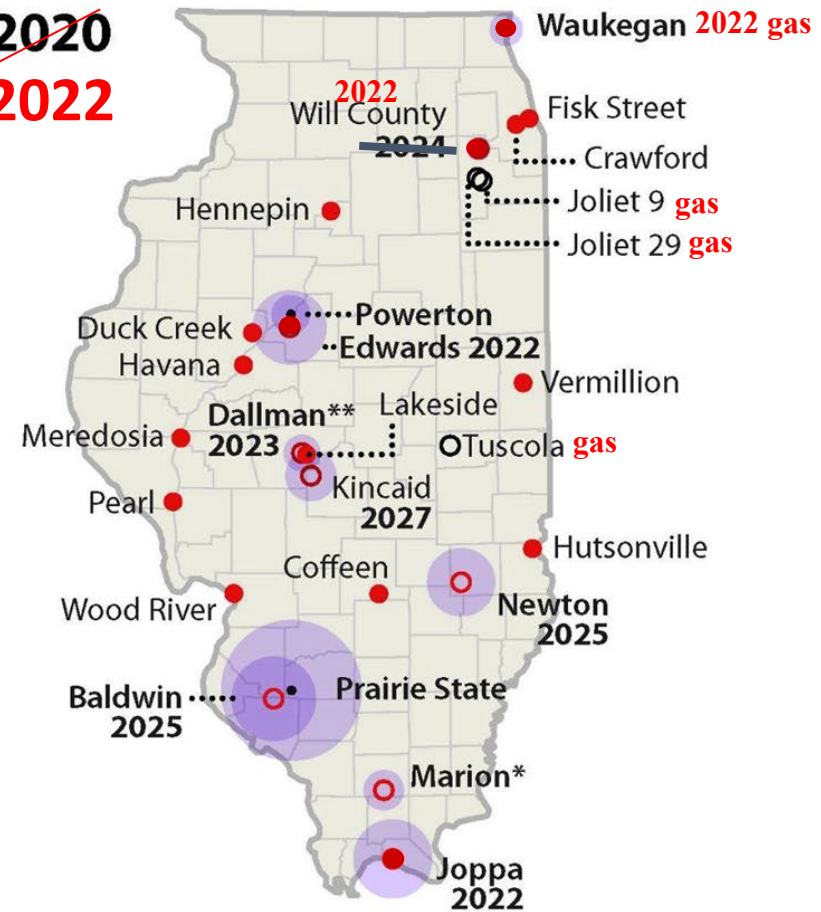
POWER PLANTS

- Converted to burn gas
- Retired
- Partial(*) or full plant retirement announced, with date

2008



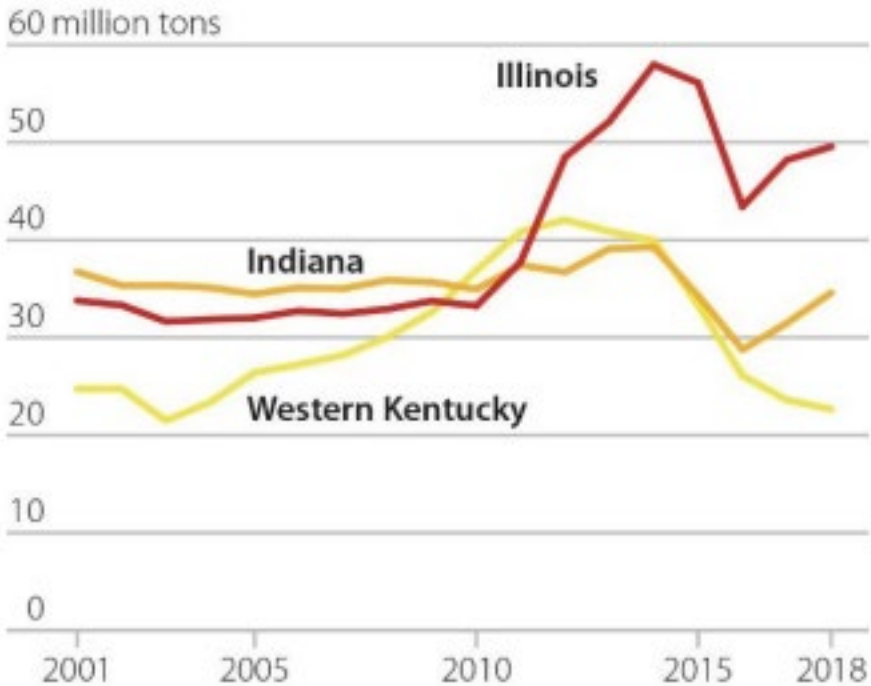
~~2020~~
2022



***Marion:** Unit 4, 170 MW, retired in Oct. 2020. Units 1-3, totaling 120 MW, remain.

****Dallman:** unit 1, 73 MW, and unit 2, 71 MW, retired in Dec. 2020; unit 3, 178 MW, is scheduled to retire in 2023. Unit 4, online in 2009, has no retirement date.

Illinois Basin Coal Production by State



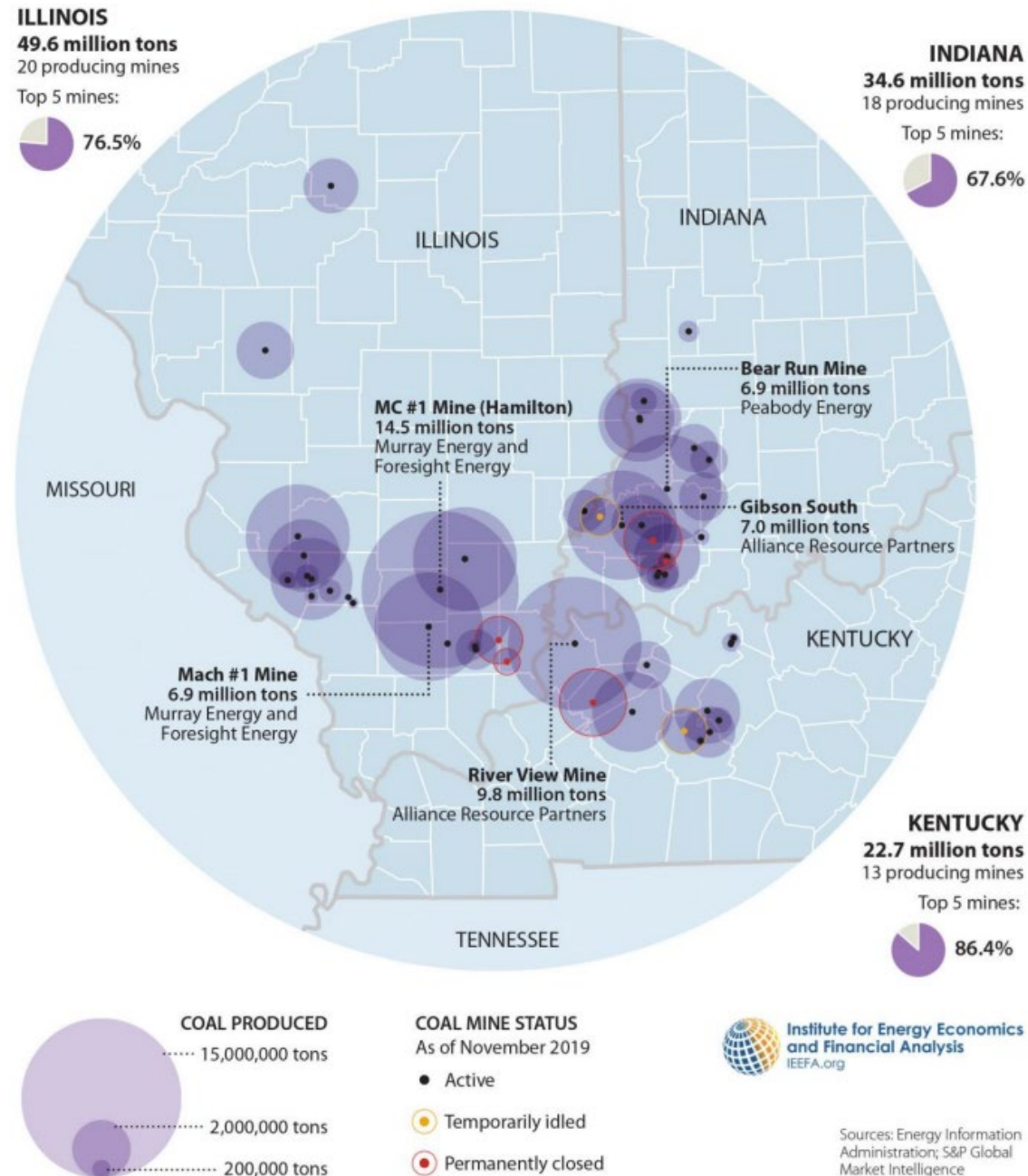
Source: Energy Information Administration

● 2021
1

2001: 33.8M tons, 3,516 miners

2018: 49.4M tons, 2,961 miners

2021: 38.3M tons, 2,500 miners



COAL PRODUCED

- 15,000,000 tons
- 2,000,000 tons
- 200,000 tons

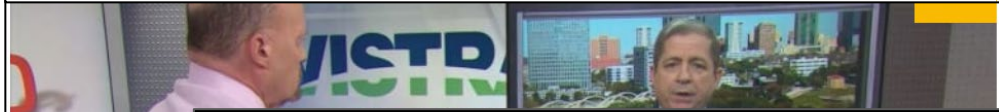
COAL MINE STATUS
As of November 2019

- Active
- Temporarily idled
- Permanently closed

Institute for Energy Economics and Financial Analysis
IEEFA.org

Sources: Energy Information Administration; S&P Global Market Intelligence

Vistra Energy CEO: Coal is on its way out



CRAIN'S CHICAGO BUSINESS

NEWS & DATA POLITICS & OPINION LIFESTYLE & DINING REAL ESTATE SPECIAL REPORTS THIS WEEK

September 16, 2019 09:43 AM

Another downstate coal plant to close

Vistra Energy will shutter its Edwards power plant near Peoria within three years under a settlement with environmental groups. It's the fifth downstate coal plant that has closed in Illinois in the past month.

STEVE DANIELS [t](#) [✉](#)

[TWEET](#) [SHARE](#) [SHARE](#)



BRIEF

Vistra to shutter 4 Illinois coal plants, totaling over 2,000 MW



Utility Dive

Deadlines Set For Partial Springfield Coal Plant Closure, Plan For Workers Next

NPR Illinois

By MARY HANSEN • FEB 5, 2020

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THE SOUTHERN ILLINOISAN

Southern Illinois Power Co-op plans to shutter its largest coal-fired unit this fall

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Southern Illinois Power Co-op plans to shutter its largest coal-fired unit this fall

Molly Parker Jun 8, 2020 Updated Jul 14, 2020 1



Three smoke stacks from Springfield's City Water, Light and Power sit on the lake.

DAISY CONTRERAS / NPR ILLINOIS

Peabody to Close Coal Mine Amid Price Drop

The plan to shut an Illinois mine and processing plant adds to a steady drumbeat of coal operations shutting down due to declining demand

By Alexander Gladstone and Jonathan Randles

Oct. 15, 2019 12:17 pm ET

The Wall Street Journal

Climate and Equitable Jobs Act (SB2408) - Sept 2021



Renewable Energy



Electric Transportation



Jobs & Economic Justice



Energy Efficiency



Carbon-Free Power



Utility Accountability, Grid Planning, and Low-income Relief



Just Transition for Fossil Fuel Communities



Inclusive Financing

Climate and Equitable Jobs Act (SB2408) - Sept 2021

→ **Energy Community Reinvestment Act**

- 1) Energy Transition Community Grants
- 2) Energy Transition Workforce Commission
- 3) Displaced Energy Workers Bill of Rights
- 4) Displaced Energy Worker Dependent Transition Scholarship
- 5) Coal to Solar and Energy Storage

→ **Clean Jobs Workforce Network Program**

→ **Clean Energy Contractor Incubator Program**

Coal to Solar & Energy Storage Initiative

	Legacy Plant	Utility-Scale Solar	Energy Storage
Baldwin		 68 MW	 9 MW
Coffeen		 44 MW	 6 MW
Duck Creek		 20 MW	 3 MW
Edwards			 37 MW
Havana			 37 MW
Hennepin		 50 MW	 6 MW
EEI/Joppa			 37 MW
Kincaid		 60 MW	 8 MW
Newton		 52 MW	 7 MW

*Edwards closing in 2022 pursuant to previously negotiated agreement.

**EEI/Joppa is closing in 2022 following a settlement with the Sierra Club.



The **Coal to Solar** initiative facilitates economic development across central and southern Illinois to help provide plant communities with a **Just Transition** after coal plant retirements.

Vistra will be able to **accelerate commercial delivery, reduce development costs, and lessen the environmental impact of development** by responsibly **reusing existing** interconnects and transmission lines.

The new development **rebuilds the local property tax base** and local communities can expect **property tax base increases of ~350-400%** from projected closed plant values. Vistra is committed to a comprehensive and responsible transition at every legacy coal plant site it owns in Illinois.

Energy Transition Community Grants



Illinois
Department of Commerce
& Economic Opportunity



Illinois
Department of Commerce
& Economic Opportunity

**Request for Information - Energy
Transition Community Grant**
**DEADLINE EXTENDED TO
SEPTEMBER 30**

<https://tinyurl.com/CEJAGrantRFI>

Amanda Pankau
Senior Energy Campaign Coordinator
apankau@prairierivers.org



INDIANA 15

REGIONAL
PLANNING COMMISSION



Projects Addressing Coal Impacts



Project Impacts



- City of Petersburg
 - Water System Improvements
 - EDA Investment: \$4.1 million
 - Assistance to Coal Communities
 - USDA Investment: \$9.5 million
 - Impact:
 - 3 Identified Beneficiaries
 - Est. 27 Jobs Created
 - Est. 70 Jobs Retained/Saved
 - Est. \$19.6 million private investment
- Pike County –Entrepreneurship and Tech Center
 - Job Skills Training and Co-Working Space
 - EDA Investment: \$2 million
 - Impact:
 - 5 Identified Beneficiaries
 - Est. 77 new certified and marketable trained electrical graduates
 - Est. 2 Jobs Created
 - Est. 26 Jobs Retained/Saved
 - Est. \$650,000 private investment

Project Impacts



- City of Huntingburg

- New Wastewater Treatment Plant
- EDA Investment: \$3.1 million
 - Coal Communities Commitment
- USDA Investment: \$14.5 million
- Impact:
 - 3 Identified Beneficiaries
 - Est. 400 Jobs Created
 - Est. 1,850 Jobs Retained/Saved
 - Est. \$43 million private investment

- Perry County Port Authority

- Bridge Replacement Added Capacity Enhancement (BRACE)
- EDA Investment: \$4.5 million
- Impact:
 - 2 Identified Beneficiaries
 - Est. 25 Jobs Created
 - Est. 19 Jobs Retained/Saved
 - Est. \$1.5 million private investment

Project Impacts



- Patoka Lake Regional Water and Sewer District
 - New Elevated Water Tank
 - EDA Investment: \$3 million
 - Coal Communities Commitment
 - Impact:
 - 3 Identified Beneficiaries
 - Est. 240 Jobs Created
 - Est. 200 Jobs Retained/Saved
 - Est. \$20 million private investment

Spotlight on Funding Opportunities

- **The Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization**

Briggs White, Ph.D., Deputy Executive Director

- **U.S. Department of Agriculture Rural Development**

Betsy Dirksen Londrigan, Illinois State Director

- **U.S. Environmental Protection Agency**

John Jurevis, Brownfields Project Manager Region 5 (Chicago)

- **U.S. Economic Development Administration**

James Winters, Economic Representative - Indiana

- **U.S. Department of Energy**

Lane Dilg, Senior Advisor, Office of the Under Secretary for Infrastructure



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Your Partner in Prosperity

Presented by Betsy Dirksen Londrigan

State Director, Rural Development - IL

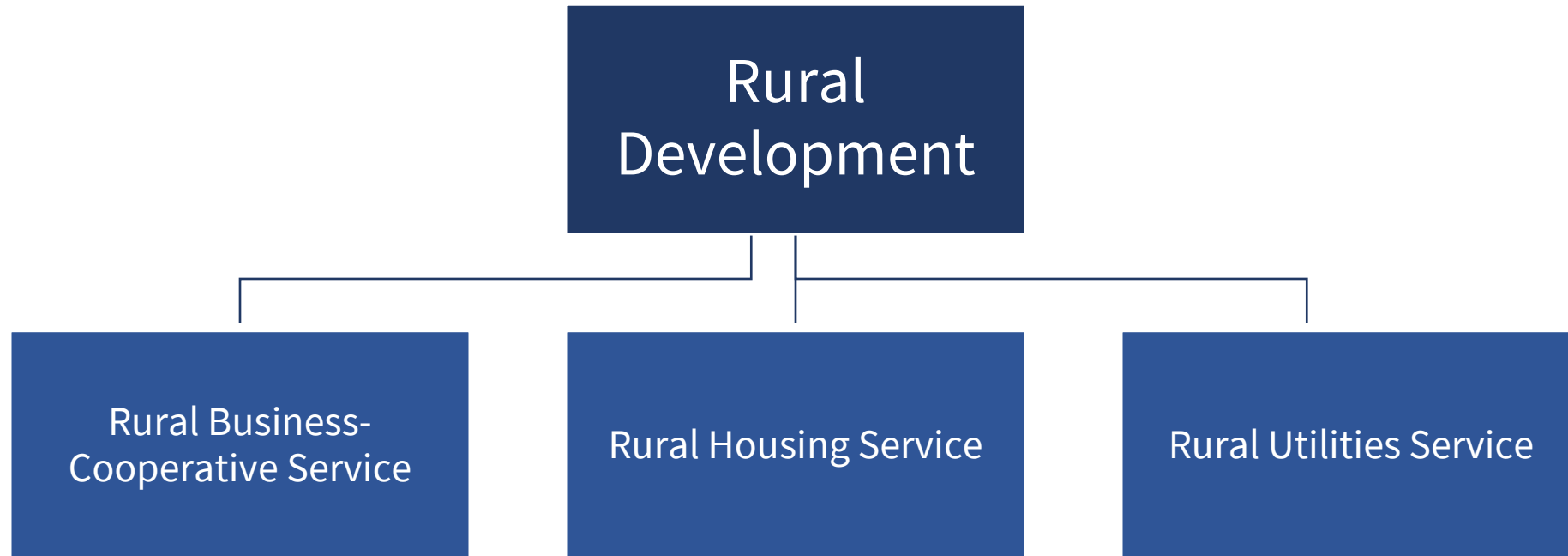
USDA Rural Development has a loan portfolio of more than \$234.4 billion and in FY22 alone invested over \$4.9 billion in grants to bring enhanced economic opportunity to the Nation's rural communities.



Our Mission

Committed to helping improve the economy and quality of life in rural America. Through our programs, we help rural Americans in many ways. Together, America prospers.

Rural Development Offices



Community Development Programs

Water & Environmental Programs

Distance Learning & Telemedicine

Rural Electric Loan Infrastructure

Community Facilities

Water & Environmental Programs

- **Water & Waste Disposal**

- Purpose
 - Develop and upgrade rural water distribution and wastewater facilities
- Eligible areas
 - Rural communities with a population of less than 10,000
- Eligible applicants
 - Government municipalities, special districts, nonprofits (unable to obtain conventional credit)
- Terms
 - Loans up to 40 years
 - Fixed low-interest rates (3 tier structure)
 - Poverty | 2%
 - Intermediate | 2.625%
 - Market | 3.25%
- Grant funding
 - May be available to leverage with loan funding and keep user rates affordable
- No limit on funding amount

Eligible Uses

- Water tower
- Water treatment facility
- Watermain connections



Community Facilities Programs

- Eligible applicants
 - Public bodies, nonprofit, special purpose district, federally recognized tribes, communities of 20,000 or less.
- Available financing
 - Guaranteed loans in partnership with a third party, approved traditional lender
 - Direct loans and grants
 - Grants are generally limited to \$25,000 or less
- Terms
 - Competitive low, fixed interest rates
 - 40-year term
 - Current interest rate is 3.25%

Eligible Purposes

- Fire trucks and equipment
- Rescue vehicles and equipment
- Law enforcement vehicles and equipment



Eligible Purposes (cont'd)

- Hospitals
- Administrative facilities
- Physician clinic
- Outpatient care
- Migrant health centers
- County health department facilities



Eligible Purposes (cont'd)

- Emergency rescue vehicles and equipment
- Public safety facilities
- Daycare facilities
- Mental health facilities
- Playground equipment
- Community centers



Business Programs



Business & Industry Guaranteed Loan Program

- Purpose
 - Create and maintain employment & improve the economic climate in rural communities
 - Assist in creating and saving jobs
- Eligible area
 - Rural areas of 50,000 or less
- Eligible applicants
 - Any legal entity including individuals, corporations, public and private organizations and federally recognized tribes
- Eligible uses
 - Business acquisitions
 - Construction / expansion
 - Repair / modernization
 - Development costs
 - Equipment purchase
 - Start-up working capital
 - Refinancing (with conditions)

Project Examples

- Manufacturing facility – Farm King
- Building acquisition – Pathway Services



Rural Economic Development Loan & Grant Program (REDLG)

- Purpose
 - Loans to eligible utilities to make a pass-thru loan to a rural business
 - Grants to eligible utilities to establish revolving loan funds to initially make loans to eligible rural projects
- Eligible areas
 - Rural areas with a population of 50,000 or less
- Eligible applicants
 - Rural electric and telephone utility cooperatives
- Eligible ultimate recipients
 - Any legal entity including individuals, public bodies, and federally recognized tribes
- Terms
 - 10-year maximum
 - 0% interest

REDLG (cont'd)

- Eligible uses
 - Grocery stores
 - Hospital improvements
 - Implement dealer
 - Seed company
 - Industrial building
 - Repair shops



Rural Business Development Grant (RBDG)

- Purpose
 - Finance and facilitate the development of small and emerging private business enterprises.
- Eligible Applicants
 - Municipalities
 - Not-for Profit
- Eligible Projects
 - Buy and develop land
 - establish a revolving loan fund
 - construct buildings
 - access streets and roads
 - parking areas
 - utility and service extensions
 - rural distance learning networks.
 - Funds cannot be re-granted to a for-profit business
- Maximum Grant is less than \$99,999

RBDG (cont'd)



Rural Energy for America Program (REAP / 9007)

- Eligible applicants
 - Agricultural producers directly engaged in ag production ($\geq 50\%$ of their gross income)
 - Rural small businesses that meet the SBA Size Standards
 - Demonstrated financial need
 - Project must be located in a rural area
 - Non-profit organizations and public entities are excluded
- Energy efficiency project examples
 - Building envelope
 - Lighting
 - HVAC systems
 - Water heating
 - Power systems
 - Refrigeration
 - Compressors / pumps
 - Fans and blowers
 - Irrigation
 - Grain drying and curing

REAP (cont'd)

- Grant
 - Not exceed 25% of total eligible project costs
 - Minimum grant request
 - Renewable energy system - \$2,500
 - Energy efficiency improvements - \$1,500
 - Maximum grant request
 - Renewable energy system - \$500,000
 - Energy efficiency improvements - \$250,000
- Guaranteed Loan
 - Not to exceed 75% of total eligible project costs
 - Maximum combination GL and grant cannot exceed 75% of total eligible project costs
 - Maximum GL request is \$10 million
 - Minimum GL request is \$5,000 (less grant amount)





Single-Family Housing

- No Down Payment
- 100 Percent Affordable Fixed Rate Financing
- Closing Costs and Repairs may be included
- No Prepayment Penalties

SFH Direct

- Loan terms
 - Up to 100% of the Appraised Value
 - Maximum repayment period is 33 years & under certain conditions, 38 years
 - Interest rate currently 3.50% - Interest rate can be subsidized to as low as 1%.
 - Rural areas with a population up to 20,000



SFH Direct Repair Loan & Grant

- Terms
 - Help very-low-income homeowners remove health and safety hazards or repair their home.
 - Direct loan up to 20 years at 1%. Loans cannot exceed \$40,000.
 - Grants up to \$10,00 are only available to very-low-income applicants 62 years or older who cannot afford to pay 1% loan.
- Eligibility
 - Applicant's must home their home
 - Must be considered very-low income
 - For Grant, repairs must be to eliminate a health concern (Roof, Septic, Heat as examples)

BEFORE



AFTER



ReConnect Loan and Grant Program

- What is the Rural Development Broadband ReConnect Program?
- The ReConnect Loan and Grant Program furnishes loans and grants to provide funds for the costs of construction, improvement, or acquisition of facilities and equipment needed to provide broadband service in eligible rural areas. The application window for Round 4 is now OPEN.

Contact Information

Contact any USDA Rural Development office for more information about agency funding opportunities.

ILLINOIS STATE OFFICE

Champaign
2118 West Park Court
Suite A
Champaign, IL 61821

Phone: 217.403.6200
Fax: 855.832.8691

Electric Programs
Gerald.Swenson@usda.gov

Telecom Programs
Richard.Martin@usda.gov



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Ottawa
815.433.0551 x 4

AREA 2 OFFICES

Pontiac
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Champaign
217.352.3536 x 4

Effingham
217.347.7107 x 4

AREA 3 OFFICES

Mt. Vernon
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Marion
618.993.5396 x 4

AREA 4 OFFICES

Galesburg
309.342.5138 x 4

Quincy
217.224.9307 x 4

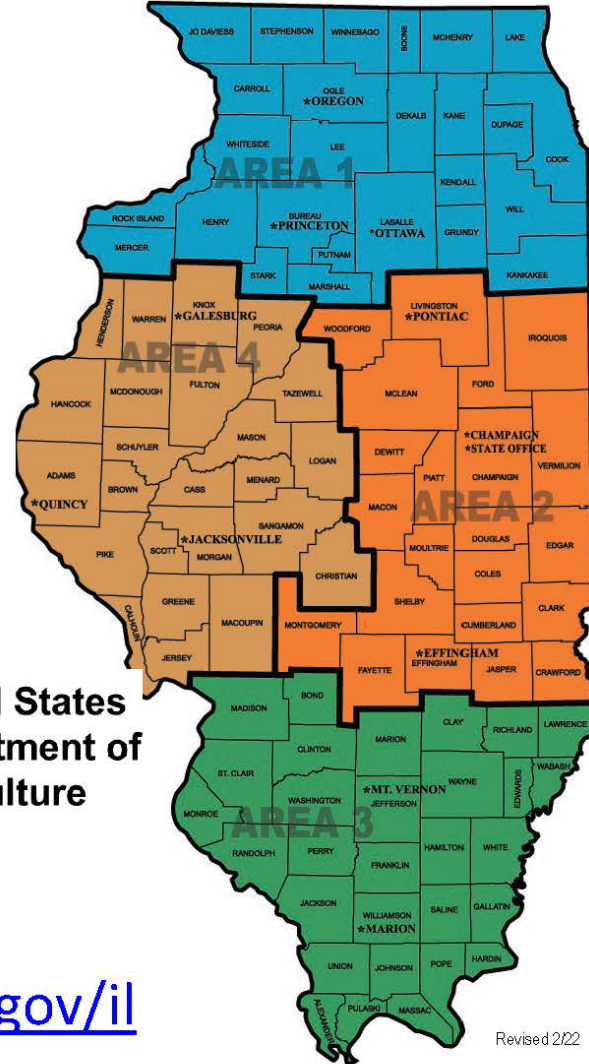
Jacksonville
217.243.1535 x 4 & 6



**United States
Department of
Agriculture**

Rural Development

www.rd.usda.gov/il



Revised 2/22

www.rd.usda.gov/in

USDA RURAL DEVELOPMENT INDIANA FIELD OFFICES

★ **INDIANA STATE OFFICE**

5975 LAKESIDE BOULEVARD
INDIANAPOLIS, IN 46278-1996
317-290-3100

● **COLUMBIA CITY AREA OFFICE**

788 WEST CONNEXION WAY, SUITE E
COLUMBIA CITY, IN 46725-1047
260-244-6266, EXT. 4

● **NORTH VERNON AREA OFFICE**

2600 HIGHWAY 7 NORTH
NORTH VERNON, IN 47265
812-346-3411, EXT. 4

● **BLOOMFIELD AREA OFFICE**

104 CR 70 E, SUITE C
BLOOMFIELD, IN 47424-8730
812-384-4634, EXT. 4

● **MUNCIE AREA OFFICE**

3641 NORTH BRIARWOOD LANE
MUNCIE, IN 47304
765-747-5531, EXT. 4

● **CRAWFORDSVILLE AREA OFFICE**

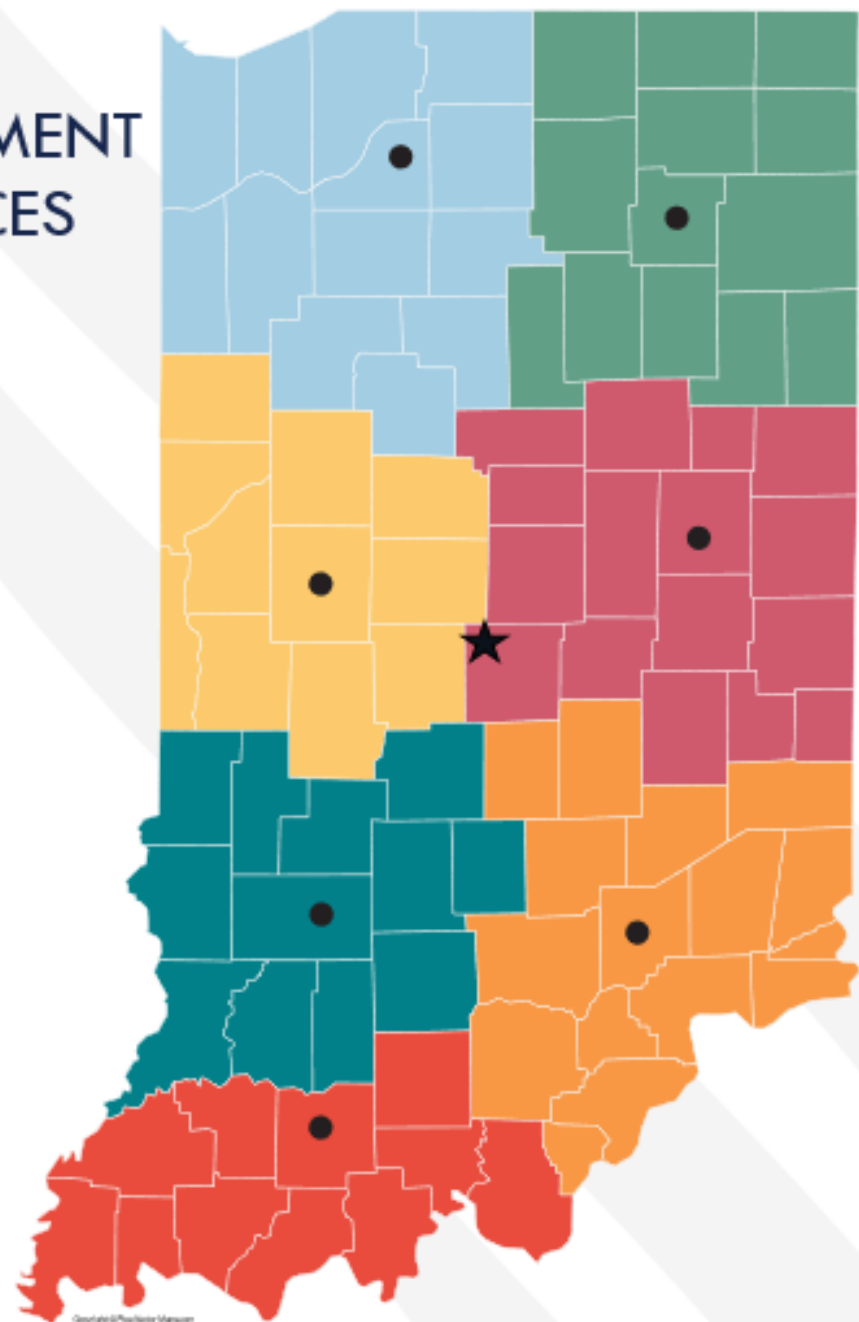
2032 LEBANON ROAD
CRAWFORDSVILLE, IN 47933-2143
765-362-0405, EXT. 4

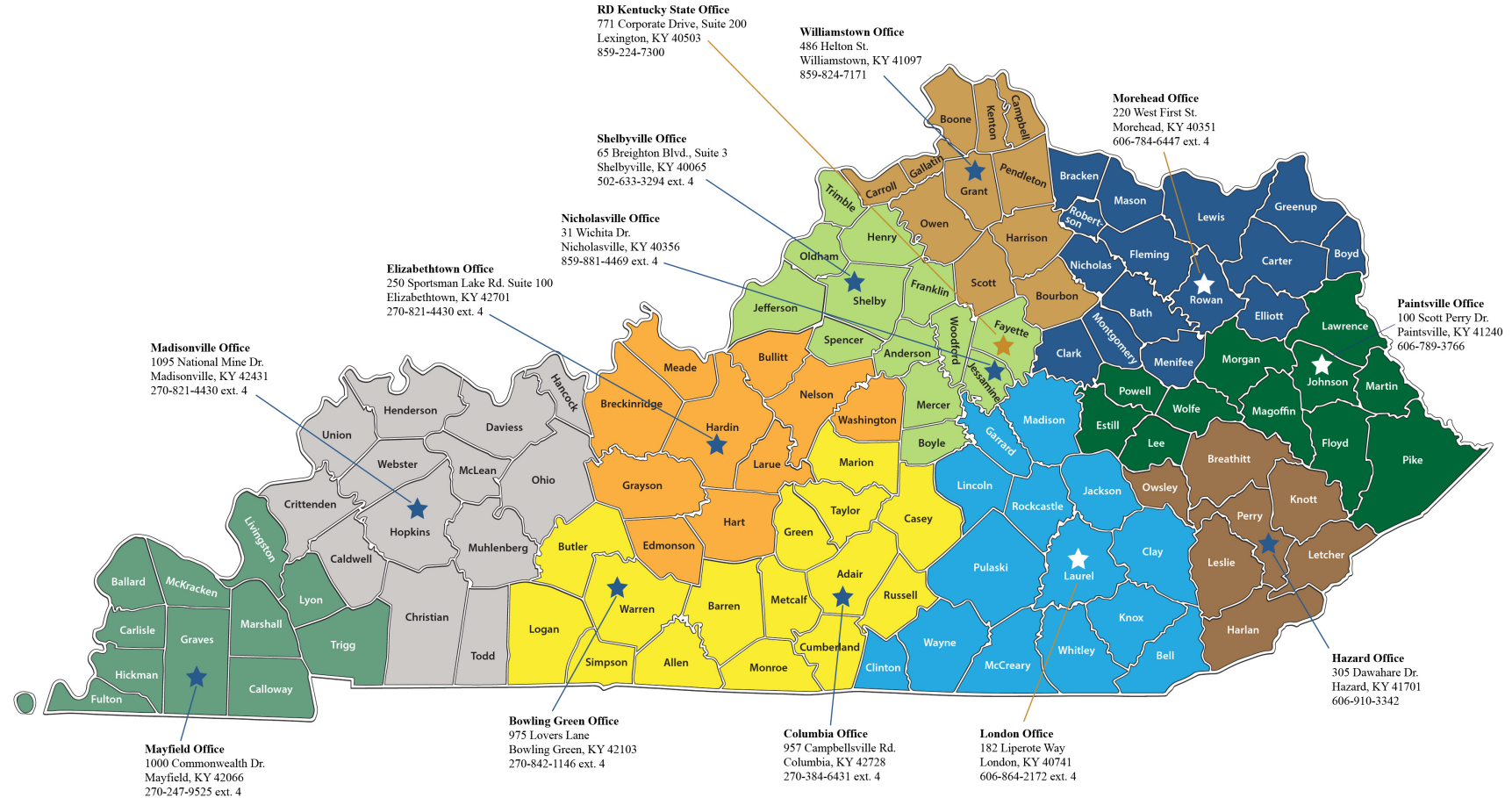
● **JASPER AREA OFFICE**

1484 EXECUTIVE BOULEVARD
JASPER, IN 47546-9300
812-482-1171, EXT. 4

● **KNOX AREA OFFICE**

1410 SOUTH HEATON STREET
KNOX, IN 46534-2314
574-772-3066, EXT. 4







USDA is an equal opportunity provider, employer, and lender.

**U.S. Economic Development
Administration**

EDA's Mission

EDA's mission is to lead the Federal economic development agenda by promoting innovation and competitiveness, and preparing and supporting American regions for growth and success in the global economy

William Groper: "Construction of a Dam," 1939



EDA Regions



What do we do? How do we do it?

- Noncompetitive awards to Economic Development Districts for planning and technical assistance.
- Regionally competitive Economic Development Assistance Programs (EDAP) target state and local governments, tribal organizations, universities, and non-profits in economically distressed communities.
- Nationally competitive programs administered out of Washington DC: Build2Scale, Build Back Better Regional Challenge, and others.

W. Lester Stevens: "Early Rural Mail Delivery," 1936



Economic Development Assistance Programs (EDAP)

Competitive Grants for:

- Construction of infrastructure and facilities that support multiple local employers
- Construction of workforce training facilities, incubators, tech centers and accelerators
- Focus on manufacturing / industrial job growth
- Planning and technical assistance

Julius Woletz: "The Bauxite Mines," 1942



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Competitive Grants for:

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Eligible Applicants:

- State, County, City, Tribal, Regional, and Local Governments
- Higher Education Institutions
- Non-profit organizations
- CEDS support
- Experiencing Distress

Julius Woletz: "The Bauxite Mines," 1942



Economic Development Assistance Programs (EDAP)

Competitive Grants for:

- Construction of infrastructure and facilities that support multiple local employers
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Eligible Applicants:

- State, County, City, Tribal, Regional, and Local Governments
- Higher Education Institutions
- Non-profit organizations
- CEDS support
- Experiencing Distress

Distress:

- Unemployment > 1% of USA
- Per capita income < 80% of USA
- Special need: **Coal-related closure**

Julius Woletz: "The Bauxite Mines," 1942



What is a coal-related closure?

- Coal-related closures in the past 10 years
- Anticipated closures in the next 5 years

What does this mean for me and my community?

- Can increase an application's competitiveness
- Provide an applicant with eligibility for special funding sources



What else should I know?

- EDA's grant investments require a significant match—as much as 50%
- Applications must demonstrate private sector job growth
- EDA does not provide investments to for-profit entities, nor does it allow pass through of grant funds to private, for-profit companies
- EDA applications can be **COMPLICATED**, but you are not alone
 - **Call your designated Economic Development Representative**
 - Work with your Economic Development District

Harold Lehman: "Locomotive Repair Operation," 1943



EDA Application Process

James Winters

EDR - Indiana

Chicago Regional Office

(312) 718-5934

JWinters@EDA.gov

Emily Rhodes

EDR - Illinois

Chicago Regional Office

(312) 497-2917

ERhodes@EDA.gov

Ellen Heinz

EDR - Ohio

Chicago Regional Office

(312) 505-4953

EHeinz@EDA.gov

Bertha Partin

EDR - Kentucky

Atlanta Regional Office

(404) 987-2887

BPartin@EDA.gov

Thank You

Pendleton, Indiana Post Office Mural, 1938



Driving a Just Transition for Energy Communities

Lane Dilg, Senior Advisor in the Office of the Under Secretary for Infrastructure



Getting More Funds, to More Places, More Quickly



Upgrade
Infrastructure



Clean Up
Environmental
Damage



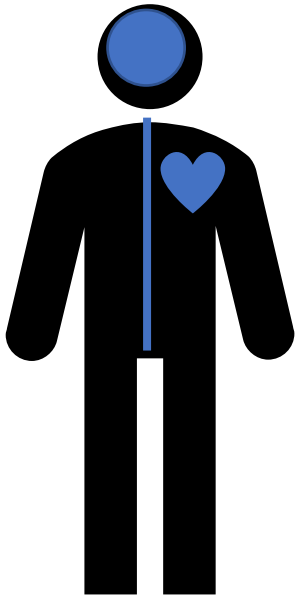
Promote
Entrepreneurship



Support Workforce
Development

Building a Better America

A Clean Energy Economy that is American-Led and American-Made



- **The Bipartisan Infrastructure Law**
- **The CHIPS & Science Act**
- **The Inflation Reduction Act**

**\$550 billion in
new spending**

**\$1.2 trillion total
authorization**

Bipartisan Infrastructure Law – The Backbone



Bringing Foundational Infrastructure into the Future

Transportation

- Devote \$42 billion to strengthen **ports, airports, and rail**
- Appropriates \$110 billion for **roads and bridges**
- Invest more than \$750 Million in **Electric Vehicle and Sustainable Transportation initiatives.**

Broadband

- Appropriates \$42.45 billion for **reliable high-speed internet** across the country

Ensuring Resilience and Longevity of the Grid

- Invest \$11 billion to **enhance the resilience of the electric infrastructure** against disruptive events such as extreme weather and cyber attacks
- Back a \$3 billion expansion of the **Smart Grid Investment Matching Grant Program**
- Provides \$1 billion to **modernizing electric generation facilities**

Clean Energy Demonstrations

The deal will provide **\$21.5 billion** in funding for clean energy demonstrations and research hubs, including:

- \$8 billion for **clean hydrogen**
- More than \$10 billion for **carbon capture, direct air capture and industrial emission reduction**
- \$2.5 billion for **advanced nuclear**



CarbonCapture and Frontier Carbon Solutions: The first large-scale direct air capture (DAC) project in the United States. The carbon capture project is expected to be operational by late 2023.

Investing in the future of Energy in American Communities

Revitalizing domestic supply chains and America's manufacturing leadership

- Invest more than \$7 billion in the **supply chain for batteries**
- Provide an additional \$1.5 billion for **clean hydrogen manufacturing and advancing recycling RD&D**
- Use \$750 million to support **clean energy manufacturing and recycling in Energy Communities**
- Offer \$400 million to **enhance efficiency and productivity** at existing facilities

Investing in America's workforce

- Requires all construction workers on projects funded by the deal to be paid **prevailing wages**
- Invest hundreds of millions in **workforce development**
- Establish a multi-agency **Energy Jobs Council**

The CHIPS & Science Act

The **CHIPS & Science Act** supports cutting-edge science and innovation to boost American competitiveness and bring jobs and supply chains home.

- **Bolster U.S. leadership in semiconductors:** \$52.7 billion for American semiconductor research, development, manufacturing, and workforce development
- **Catalyze regional economic growth and development:** \$10 billion to invest in regional innovation and technology hubs across the country, bringing together state and local governments, institutes of higher education, labor unions, businesses, and community-based organizations to create regional partnerships to develop technology, innovation, and manufacturing sectors.
- **Spur private investment:** Companies have announced nearly \$50 billion in additional investments in American semiconductor manufacturing

The Inflation Reduction Act (IRA)

The Inflation Reduction Act authorizes **more than \$250 billion** for infrastructure and worker investments and helps revitalize economies of energy communities in areas such as:



Authority to Guarantee
\$250 Billion for
Redeveloping & Repurposing



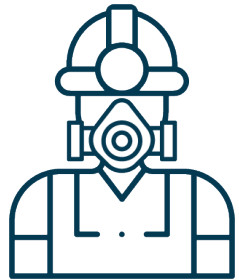
Bonus Tax Credits for Clean Energy
Projects



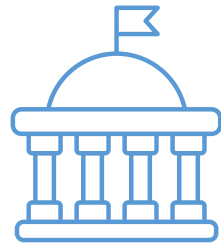
\$4 Billion Clean Energy
Manufacturing Tax Credits

The Inflation Reduction Act (IRA)

In addition, the IRA invests directly in the **energy workers, and their families**, who built this country.



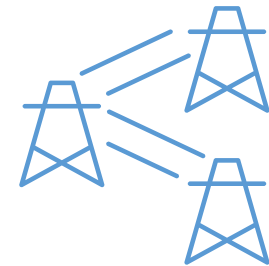
Black Lung Disability
Trust Fund
Reinstated



\$8 Billion Green
Bank for Energy
Communities



\$2.8 Billion Grants
for Energy
Communities



\$145 Million
Tribal Electrification

Energy Communities

Brownfield site	or	Metropolitan statistical area or non-metropolitan statistical area with...			or	Census tract or adjacent census tract in which...				
		0.17% or greater direct employment related to the extraction, processing, transport, or storage of coal, oil, or natural gas. This is presently or at any time after Dec. 31, 2009.	and	Unemployment rate above national average unemployment for the previous year		or	or	A coal mine has closed after Dec. 31, 1999	or	A coal-fired electric generating unit has been retired after Dec. 31, 2009
		or								
25% or greater local tax revenues related to the extraction, processing, transport, or storage of coal, oil, or natural gas										

IRA 45, 48, 45Y, and 48E

IRA 48C / BIL 40209

Grants, Loans, and Tax Credits to Revitalize Energy Communities

- **Bipartisan Infrastructure Law 40209: Advanced Energy Manufacturing & Recycling Grant Program:** \$750 million to re-equip or build facilities for clean energy manufacturing and recycling
- **Inflation Reduction Act 1706: Energy Infrastructure Reinvestment Act:** \$250 billion in loan authority to (a) retool / repurpose / replace energy infrastructure or (b) avoid, reduce, utilize, or sequester greenhouse gas emissions enable operating energy infrastructure
- IRA § 13101 (Sec. 451) – Electricity produced from certain renewable resources, etc.
- IRA § 13102 (Sec. 48) – Energy investment credit
- IRA § 13701 (Sec. 45Y) – Clean electricity production tax credit
- IRA § 13702 (Sec. 48E) – Clean electricity investment credit
- IRA § 13501 (Sec. 48C) – Qualifying advanced energy project credit

Repurposing Fossil Assets

Built-in infrastructure and components can be repurposed for new industry:

- Transportation: access to roads, rail, ports and waterways
- Transmission: Pre-existing direct grid connection at the power plant
- Water: existing access and water rights
- Permits

Options for Evolution:

- Nuclear (SMRs and Microreactors)
- Hydrogen
- Battery Energy Storage System (BESS)
- Solar and Wind
- Thermal Energy Storage (TES)
- Carbon storage
- Manufacturing and more...



ENGIE North America and Holyoke Gas & Electric: The largest energy storage system (with solar) in Massachusetts, located at the site of the old Mt. Tom power plant.

Fossil Asset Repurposing



Tectonic Sun Alpha: First pilot plant in California to demonstrate application of concentrated solar paired with 6-month duration geothermal storage, turning existing oil wells into clean energy generators



The Powerhouse Eatery: A former coal powerplant turned into a restaurant in Pennsylvania.

Examples of Reinvestment Financing



Mockup of the TerraPower 345 MW nuclear demonstration project: A former coal generation site in Wyoming.



Abandoned Mines are Transformed into Solar Farms: Six old mining sites owned by the Nature Conservancy in Virginia will be some of the first utility-scale solar farms in the region. Sun Park will be the first phase of a multi-phase project, and notably, will repurpose what formerly was one of the largest mining sites in the state for the production of renewable energy.

Looking Ahead



What does this mean for energy communities...



We have the opportunity to **utilize the tax credits and loan authority provided in the IRA** to reimagine and revitalize 'Energy Communities' as well as the investments from the Bipartisan Infrastructure Bill to finance and secure a whole-of-economy clean energy future *made in America*



For more information...

- 1. BIL Opportunities for Energy Communities:**
<https://energycommunities.gov>
- 2. Advanced Energy Manufacturing & Recycling Grant Program:**
<https://www.energy.gov/bil/advanced-energy-manufacturing-and-recycling-grants>
- 3. IRA Opportunities through the Loan Programs Office:**
<https://www.energy.gov/lpo/inflation-reduction-act-2022>

Breakout Sessions

- **Breakout Session #1: Education & Workforce Development**
Mississippi Room
- **Breakout Session #2: Innovation & Emerging Economic Opportunities in the Illinois Basin**
Missouri Room
- **Breakout Session #3: Taxes & Revenue Replacement**
Ohio Room
- **Breakout Session #4: Fossil Asset Repurposing & Clean Energy Deployment**
Illinois Room



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Thank you!

Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization



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**Thank you Southern
Illinois University
Carbondale for
hosting us!**

