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IRA Energy Community Data Layers

 (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7141197/search/filter-results:FD/semantic:10.18141/1967447)

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Data, geospatial data resources, and the linked mapping tool and web services reflect data for two types of potentially qualifying energy communities: 1) Census tracts and directly adjoining tracts that have had coal mine closures since 1999 or coal-fired electric generating unit retirements since 2009. These census tracts qualify as energy communities. 2) Metropolitan statistical areas (MSAs) and non-metropolitan statistical areas (non-MSAs) that are energy communities for 2023 and 2024, along with their fossil fuel employment (FFE) status.

Additional information on energy communities and related tax credits can be accessed on the Interagency Working Group on Coal & Power Plant Communities & Economic Revitalization Energy Communities website (https://energycommunities.gov/energy-community-tax-credit-bonus/ (https://energycommunities.gov/energy-community-tax-credit-bonus/)).

Use limitations: these spatial data and mapping tool may not be relied upon by taxpayers to substantiate a tax return position or for determining whether certain penalties apply and will not be used by the IRS for examination purposes. The mapping tool does not reflect the application of the law to a specific taxpayer's situation, and the applicable Internal Revenue Code provisions ultimately control.

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Authors

U.S. Department of Energy (DOE)

Citation (Click to Copy)

U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL), Interagency Working Group on Coal & Power Plant Communities & Economic Revitalization (IWG), U.S. Department of the Treasury, IRA Energy Community Data Layers, 4/3/2023, https://edx.netl.doe.gov/dataset/ira-energy-community-data-layers

Data and Resources

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IRA Energy Community Tax Credit Bonus Mapping Application (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/28a55071-1eeb-4e7e-a125-bde22caff047)

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The mapping tool reflects currently available data on two types of energy communities. First, the map shows energy communities that are census tracts and that have had coal mine closures after December 31, 1999, or coal-fired electric generating unit retirements after December 31, 2009, and tracts that are directly adjoining. Second, the map shows the metropolitan statistical areas (MSAs) and non-metropolitan statistical areas (non-MSAs) that are energy communities for 2023. These MSAs and non-MSAs have had for at least one year since 2009, 0.17% or greater direct employment related to extraction, processing, transport, or storage of coal, oil, or natural gas (the fossil fuel employment (FFE) threshold) and have an unemployment rate for 2023 that is equal to or greater than the national average unemployment rate for 2023. These MSAs and non-MSAs that meet the 2023 unemployment rate requirement are energy communities as of June 7, 2024, and will maintain that status until the unemployment rates for 2024 become available and the 2025 Annual Statistical Area Category and Coal Closure Category Update is released. The guidance that determines the MSAs and non-MSAs that are energy communities based on 2024 unemployment rates will likely be released in May 2025. In addition, the map shows MSAs and non-MSAs that only meet the FFE threshold. These MSAs and non-MSAs are not energy communities as of June 7, 2024, because they do not meet the unemployment rate requirement; however, these areas could become energy communities in a future year if the unemployment requirement is also met. Note that brownfields are not shown on this map. Additional information on energy communities, related tax credits, and



Questions can be accessed on the Interagency Working Group on Coal & Power Plant Communities & Economic Revitalization Energy Communities Tax Credit Bonus. [Login \(/user/login\)](#) [Register \(/user/register\)](#) [Reference Shelf \(/sites/reference-shelf\)](#) [Help \(/help\)](#)

energycommunities.gov/energy-community-tax-credit-bonus/. Disclaimer: The mapping tool may not be relied upon by taxpayers to substantiate a tax position or for determining whether certain penalties apply and will not be used by the IRS for examination purposes. The mapping tool does not reflect the application of the law to a specific taxpayer's situation, and the application of Internal Revenue Code provisions ultimately control.



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2024 MSAs/non-MSAs that only meet the FFE Threshold Web Service (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/7fdb2b7-6d41-43cf-af22-435913229d71)

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Link to web service for the MSAs/Non-MSAs that only meets the Fossil Fuel Employment 0.17% Threshold as of June 7, 2024. Dataset outlining energy communities across the U.S. based off part of the Inflation Reduction Act's (IRA) definition, based off metropolitan statistical area (MSA) or non-metropolitan statistical area (non-MSA) that has (or had at any time after December 31, 2009) 0.17 percent or greater direct employment (Fossil Fuel Employment) related to the extraction, processing, transport, or storage of coal, oil, or natural gas.

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2024 MSAs/NonMSAs that are Energy Communities Web Service (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/d9f308cb-7966-4aed-a88a-1fc59820196a)

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Link to web service for MSAs/Non-MSAs that are energy communities as they meet the Fossil Fuel Employment 0.17% Threshold and unemployment rate requirement as of June 7, 2024. Metropolitan statistical areas (MSAs) and non-metropolitan statistical areas (non-MSAs) that are energy communities as of June 7, 2024, and until the release of the 2025 Annual Statistical Area Category and Coal Closure Category Update. These MSAs and non-MSAs have had for at least one year since 2009, 0.17% or greater direct employment related to extraction, processing, transport, or storage of coal, oil, or natural gas (the fossil fuel employment (FFE) threshold) and have an unemployment rate for 2023 that is equal to or greater than the national average unemployment rate for 2023. These MSAs and non-MSAs that meet the 2023 unemployment rate requirement are energy communities as of June 7, 2024, and will maintain that status until the unemployment rates for 2024 become available and the 2025 Annual Statistical Area Category and Coal Closure Category Update is released. The guidance that determines the MSAs and non-MSAs that are energy communities based on 2024 unemployment rates will likely be released in May, 2025. In addition, the map shows MSAs and non-MSAs that only meet the FFE threshold. These MSAs and non-MSAs are not energy communities as of June 7, 2024, because they do not meet the unemployment rate requirement; however, these areas could become energy communities in a future year if the unemployment requirement is also met.

[Read Info \(/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/6e8cb401-5328-4a53-847b-f55deef0c9a1\)](#) or [Open Link \(/resource/6e8cb401-5328-4a53-847b-f55deef0c9a1/visit_link\)](#)

2024 Coal Closure Energy Communities Web Service (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/6e8cb401-5328-4a53-847b-f55deef0c9a1)

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Link to 2024 coal communities web service. This dataset outlining energy communities across the U.S. based off part of the Inflation Reduction Act's (IRA) definition that is focused on census tracts and directly adjoining tracts that have had coal mine closures since 1999 or coal-fired electric generating unit retirements since 2009, as of June 7, 2024.

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MSA_NMSA_EC_FFE_v2024_1.zip (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/13454403-ef6b-479b-b720-d5e3eaeffb91)

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MSAs and Non-MSAs and their fossil fuel employment (FFE) and energy community status as of June 7, 2024.

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Coal_Closures_EnergyComm_v2024_1.zip (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/4006c9da-f99c-4731-97b2-633cc1578994)

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Zippped file containing the June 7, 2024 updated data set for the coal closure energy communities' layer in .gdb, .shp, .csv, and .xlsx file formats, as well as a metadata (xml) file.

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2023 Coal Closure Energy Communities Dataset (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/ea05b8c7-2e12-4d66-8b2d-2b2ea6ddd73)

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Link to coal communities web service. This dataset outlining energy communities across the U.S. based off part of the Inflation Reduction Act's (IRA) definition that is focused on census tracts and directly adjoining tracts that have had coal mine closures since 1999 or coal-fired electric generating unit retirements since 2009.

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2023 MSA/Non-MSAs that only meets the Fossil Fuel Employment 0.17% Threshold Dataset (/dataset/dbed5af6-7cf5-4a1f-89bc-a4c17e46256a/resource/282a742c-d4ab-411d-9ad3-626f4c58bc6a)

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Link to the MSA/Non-MSAs that only meets the Fossil Fuel Employment 0.17% Threshold web service. Dataset outlining energy communities across the U.S. based off part of the Inflation Reduction Act's (IRA) definition, based off metropolitan statistical area (MSA) or non-metropolitan statistical area (non-MSA) that has (or had at any time after December 31, 2009) 0.17 percent or greater direct employment (Fossil Fuel Employment) related to the extraction, processing, transport, or storage of coal, oil, or natural gas.

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(https://netl.doe.gov) and Non-MSAs and their fossil fuel employment (FFE) and energy community status based off IRS Notice 2024-30 (https://www.irs.gov/pub/irs-drop/n-24-30.pdf)


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Zipped file containing data set for the coal closure energy communities' layer in .shp, .csv, and .xlsx file formats, as well as a metadata (xml) file.

Keywords

Census Tract	Closure	Coal Mine	Coal Power Generator	DOE	Employment	Energy Community	Fossil Fuel
IRA	IWG	Inflation Reduction...	Interagency Working...	MSA	Metropolitan Statis...	NETL	
National Energy Tec...		Non-MSA	Non-Metropolitan St...	Tax Credit	U.S.	U.S. Department of ...	US Department of En...
Unemployment							

Spatial Extent











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OSTI Info

Field	Value
Sponsor Organization	USDOE Office of Fossil Energy (FE)
Contact Organization	National Energy Technology Laboratory
DOE Contract Number	IWG & DOE Office of Policy EP0101000-07120-4100000
DOI Number	10.18141/1967447

Additional Info

Field	Value
Maintainer	Jennifer Bauer
Last Updated	June 7, 2024, 9:04 AM (UTC-06:00)
Created	April 3, 2023, 8:27 PM (UTC-06:00)
AI/ML Product	no
Citation	U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL), Interagency Working Group on Coal & Power Plant Communities & Economic Revitalization (IWG), U.S. Department of the Treasury, IRA Energy Community Data Layers, 4/3/2023, https://edx.netl.doe.gov/dataset/ira-energy-community-data-layers
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Program Or Project	IWG and DOE OP			
Project Number	IWG & DOE Office of Policy EP0101000-07120-4100000			
Publication Date	2023-04-04			
Restriction Date	2023-04-03			
Spatial	{ "type": "MultiPolygon", "coordinates": [[[[-60.46875, 72.18180355624855], [-60.46875, 15.961329081596647], [-169.45312499999997, 15.961329081596647], [-169.45312499999997, 72.18180355624855], [-60.46875, 72.18180355624855]]]] }			

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