



Federal Funding Success Stories for Local and Tribal Government

October 13, 2022

UNDERSTANDING & ACCESSING NEW FEDERAL \$



WEBINAR SERIES

FOR LOCAL & TRIBAL GOVTS

Technical Assistance:

Email kate@katemadigan.com

Webinar Recordings and Resources:

<https://bit.ly/fedfundingassist>



CLIMATE
PROGRAM
PORTAL

<https://climateprogramportal.org/register/>

*Invite Code: EFGamma22

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bit.ly/IJIATracker

Presenters

Matthew Dannenberg
Tribal Liaison, Office of Congressional and
External Affairs

Sarah Smith
Keweenaw Bay Indian Community and
Midwest Tribal Energy Resources Association

Dr. Missy Stults
Sustainability and Innovations Director
City of Ann Arbor

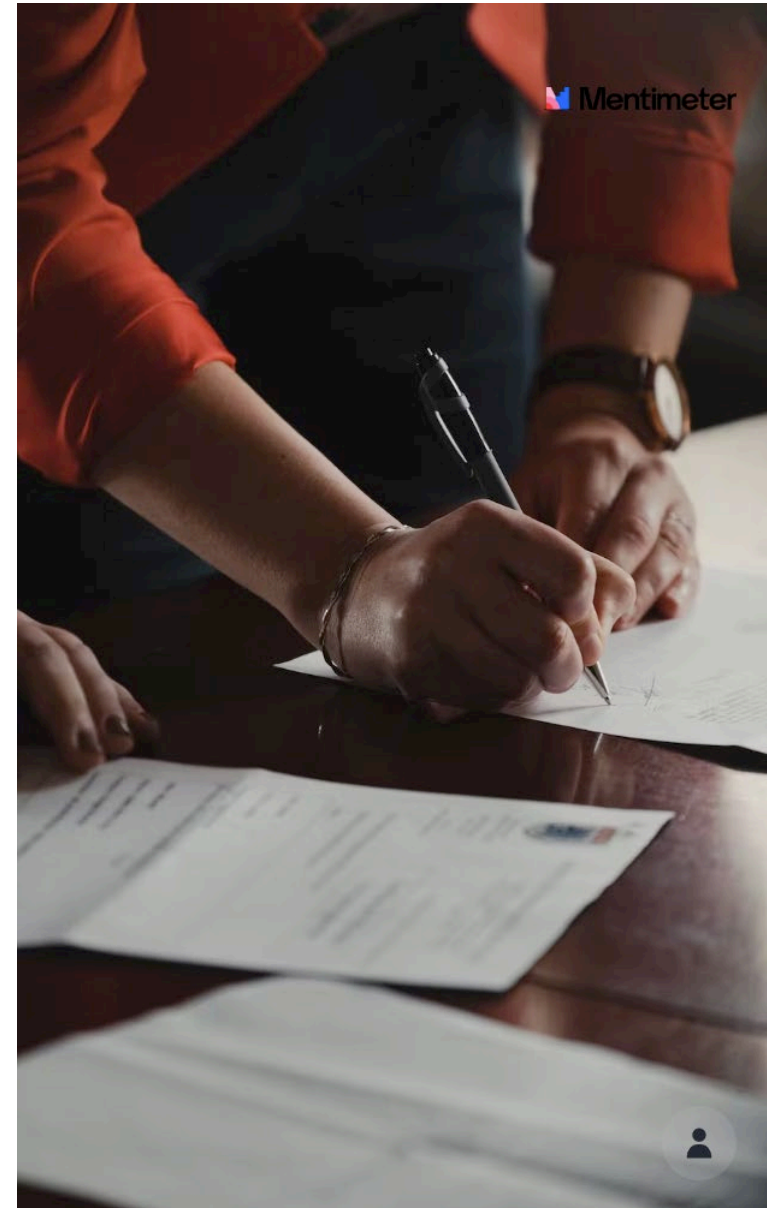
Jackson Koeppl
Justice 40 Accelerator project,
City of Highland Park

Survey on Federal Funding Challenges

Go to:

bit.ly/fedfundingsurvey

1. What are the largest barriers to applying for federal grants?
2. What are the biggest challenges to managing federal grants?
3. What assistance would be helpful to you and your community?





Questions?

Tribal Relevant Programs in IRA

U.S. Department of Energy Office of Policy



Overview

- IRA invests a historic \$369 billion in addressing climate change, with a number of new or expanded Tribal specific programs created at DOI and DOE
- Clean energy tax credits now directly available to Tribal governments and non-profits
- Other relevant programs and provisions supporting reinvestment in energy and environmental justice communities. Some programs expire in 2024 or 2026.
- Most tax credit bonuses and DOE loans can stack, providing a significant opportunity for Tribal energy projects

Tribal Specific Programs

IRA §	Program	Agency	Funding (\$ million)	Notes
50145	Tribal Energy Loan Guarantee Program	DOE	\$75.0	Loan authority raised to \$20 billion. Loan guarantee may now cover 100% of debt.
80001	Tribal Climate Resilience	BIA	\$220.0	No cost-sharing or matching requirements
80002	Native Hawaiian Climate Resilience	BIA	\$23.5	No cost-sharing or matching requirements
80003	Tribal Electrification Program	BIA	\$145.5	No cost-sharing or matching requirements. For electrifying homes with zero-emissions systems and associated repairs.
80004	Emergency Drought Relief for Tribes	BOR	\$12.5	No cost-sharing or matching requirements.
50122	High-Efficiency Electric Home Rebate Program	DOE	\$225	Funds for Tribal governments to provide rebates for low-income home electrification projects. \$225m specifically allocated for Tribes. FY 2031 expiration.

Additional Tribal Relevant Provisions

IRA §	Program	Agency	Funding (\$ Billion)	Notes
50144	Energy Infrastructure Reinvestment Financing	DOE	\$5.0	\$250 billion in loan authority for repurposing, retooling, repowering, or replacing retired energy infrastructure. FY 2026 expiration.
60103	Greenhouse Gas Reduction Fund	EPA	\$27.0	Tribal governments eligible to apply. FY 2024 expiration.
60114	Climate Pollution Reduction Grants	EPA	\$5.0	Tribal governments eligible to apply. FY 2026 expiration.
60201	Environmental and Climate Justice Block Grants	EPA	\$3.0	Tribal governments in partnership with non-profits eligible to apply. FY 2026 expiration. FY 2026 expiration.
13801	Direct Payment of Tax Credits	IRS	-	Tribal governments and Alaska Native Corporations eligible for direct payment of clean energy tax credits
13101	Energy Community Tax Credit Bonus	IRS	-	10% or 10 percentage point boost in clean electricity tax credits for projects located in “energy communities”
13102, 13702	Bonus investment tax credit in low-income communities	IRS	-	Projects less than 5 MW eligible for 10% increase in investment tax credit if located on Indian land.

Individuals also eligible for the Energy Efficient Home Improvement Credit (25C), Residential Clean Energy Credit (25D), and the Clean Vehicle Credit (30D)

Tribal Energy Loan Guarantee Program (TELGP)

- Increases the available loan authority of the TELGP from \$2B to \$20B, available through 2028.
- Loan guarantee may now cover 100% of debt.
- In addition to continuing to allow for partial loan guarantees, makes permanent the ability for borrowers to apply for direct loans through TELGP via the U.S. Treasury Federal Financing Bank (FFB).
- Provides \$75 million to carry out the program
- Administered by DOE through the Loan Programs Office

Tribal & Native Hawaiian Climate Resilience

Tribal Climate Resilience Program

- **\$220 million** for Tribal climate resilience and adaption programs
- Available until September **2031**
- No cost sharing and matching requirements
- Administered through the Bureau of Indian Affairs

Native Hawaiian Climate Resilience

- **\$23 million** for climate resilience, adaptation, and technical assistance to Native Hawaiian communities
- Available until September **2031**
- No cost sharing and matching requirements
- Administered through the Office of Native Hawaiian Relations

Tribal Electrification Program

- Will provide **\$145.5 million** to help tribal communities transition to clean, zero-emission, electric energy systems. Funds can be used for
 - The provision of electricity to unelectrified Tribal homes through zero-emissions energy system
 - To transition electrified Tribal homes to zero emissions energy system
 - Associated home repairs and retrofitting necessary to install the zero emissions energy systems authorized
- No cost sharing and matching requirements
- Available until **2031**
- Administered through the Bureau of Indian Affairs

Emergency Drought Relief for Tribes

- **\$12.5 million** for near-term drought relief actions to mitigate drought impacts for Tribal communities impacted by the Operation of a Bureau of Reclamation water project
- No cost sharing and matching requirements
- Available until 2026
- Administrated through the Bureau of Reclamation



High-Efficiency Electric Home Rebate Program

- Covers up to 100% of home electrification project costs for low-income households, and up to 50% for moderate-income households (up to \$14,000)
- Covers equipment and installation costs, via point-of-sale rebate
- \$225 million reserved for Tribes. Funds are distributed to Tribal governments for administration via an application process.

Qualified Projects
Heat pump HVAC systems
Heat pump hot water systems
Electric stoves and cooktops
Electric heat pump clothes dryer
Upgrading circuit panels
Insulation
Air sealing and ventilation
Wiring

Energy Infrastructure Reinvestment Program (EIR)

- New DOE Loan Programs Office (LPO) program supporting investment in replacement of existing or retired fossil energy assets.
- No innovation criteria required.
- Eligible uses:
 - Retooling, repowering, repurposing, or replacing already retired energy infrastructure; or
 - New projects that avoid, reduce, use, or sequester emissions from operating energy infrastructure.



<https://www.energy.gov/lpo/articles/deploydeploydeploy-2-energy-infrastructure-reinvestment-eir-program>

Energy Infrastructure Reinvestment Program (EIR) – Potential Examples

Already Retired

- Replacing fossil electricity generation with established cleaner sources
- Replacing fossil electricity generation with emerging clean firm power sources
- Repowering or replacing older renewable assets with more efficient / state-of-the-art
- Retooling fossil-based energy infrastructure for manufacturing
- Replacing fossil-based industrial processes with decarbonized industrial processes
- Repurposing oil pipelines for clean hydrogen or CO₂ transport
- Site remediation

Currently Operating

- Retrofitting existing fossil assets with carbon capture and sequestration equipment
- Refinancing, upgrading, uprating existing nuclear facilities
- Fuel switching at operating power plants
- Transmission upgrades
- Refinery upgrades
- Site remediation

<https://www.energy.gov/lpo/articles/deploydeploydeploy-2-energy-infrastructure-reinvestment-eir-program>

Greenhouse Gas Reduction Fund

- New EPA program to make competitive awards to fund green banks around the country.
- Prioritization on supporting projects that benefit and reduce air pollution and GHG emissions in disadvantaged communities.
- Funds must leave EPA by the end of FY 2024.
- Tribal governments or non-profit green banks providing financial assistance to tribal projects are eligible.

Category	Budget (\$B)	Eligible Entities
Deploying Zero-Emission Technologies	\$7	Tribal governments, States, municipalities, other non-profits
Low-Income and Disadvantage Communities	\$8	Non-profit green banks
General Assistance	\$12	Non-profit green banks

Climate Pollution Reduction Grants

- \$5 billion new EPA program to support GHG emission reduction plan development and implementation
 - **Planning Grants:** \$250 million in grants to support development of GHG emissions reduction plans
 - **Performance Awards:** \$4.75 billion in competitively awarded grants to carry out plans, based on performance in implementing plan
- Eligible awardees include Tribes, States, municipalities, air pollution control agencies, or a combination of the above

Environmental and Climate Justice Block Grants

- \$3 billion new EPA program to support community-led projects to address disproportionate environmental and public health harms related to pollution and climate change
- Tribal governments partnered with a community-based non-profits eligible

Eligible Activities

Community-led projects that help reduce GHG and other air pollution:

- Pollution monitoring, preventing, and remediation
- Investments in low- and zero-emissions technologies and infrastructure
- Workforce development

Mitigating climate and health risks from urban heat islands, extreme heat, wood heater emissions, and wildfires

Climate resiliency and adaptation

Reducing indoor toxics and indoor air pollution

Facilitating engagement of disadvantaged communities in State and Federal advisory groups, workshops, rulemakings, and other public processes

Direct Payment of Tax Credits

Tribal Governments, Alaska Native Corporations, and any other non-profit organization, can now receive the following tax credits as a direct payment from the Treasury:

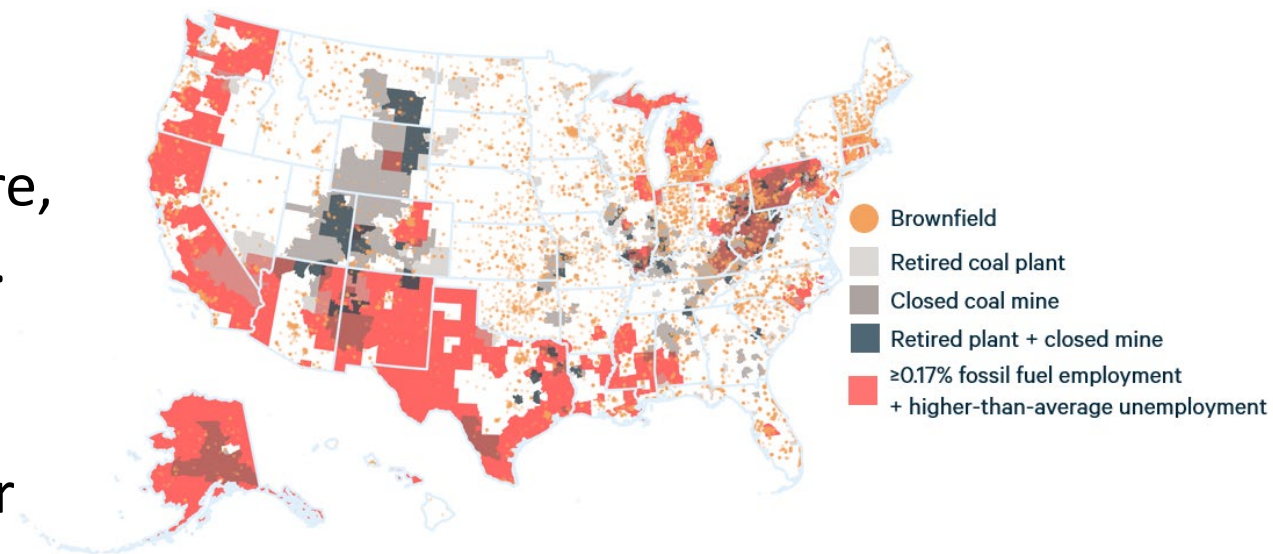
Tax Code §	Credit	Summary Description
30C*	Alternative Fuel Refueling Property Credit	30% of investment cost, including EV chargers
45/45Y**	Clean Electricity Production Credit	\$26/MWh for 10 years, with bonuses possible
48/48E**	Clean Electricity Investment Credit	30% of investment cost, with bonuses possible
45Q*	Carbon Oxide Sequestration Credit	Up to \$85/metric ton sequestered for 12 years
45V*	Clean Hydrogen Production Credit	Up to \$3/kg of hydrogen for 10 years
45W	Commercial Clean Vehicles	Up to \$7,500 for a light duty clean vehicle, or up to \$40,000 for a medium or heavy-duty clean vehicle
45X	Manufacturing Production Credit	Credits for production of solar, wind, and battery components or critical minerals
45Z*	Clean Fuel Production Credit	Credits for production of low carbon fuels
48C*	Advanced Energy Project Credit	30% investment credit for facilities manufacturing clean energy products

*prevailing wage and apprenticeship requirements must be met for max credit, otherwise 5x lower in value

+over time, projects must meet domestic content criteria in order to be eligible for direct pay.

Energy Community Tax Credit Bonus

- Bonus credit available for clean electricity projects located in communities that have previously hosted fossil energy infrastructure, including retired coal plants and coal mines.
- Bonus is a 10% increase in the production credit or a 10 percentage points increase for the investment credit.
- This bonus credit can stack with other bonus credits for domestic content and environmental justice.



Preliminary external assessment of potential energy communities. IRS will have final determination of identifying qualifying energy communities.

Allocated Environmental Justice Bonus

- Additional investment tax credit bonus for clean electricity projects benefiting environmental justice communities.
- These bonuses cannot stack with each other but can stack with the energy community and domestic content bonuses.
- Limited to 1.8 GW/year total, and to projects 5 MW or smaller.

Category	Bonus Credit
Located in low-income community	10 percentage points
Located on Indian land	10 percentage points
Located on a low-income residential building (includes buildings supported by tribally designated housing entity)	20 percentage points
Projects that provide over 50% of total financial benefits to low-income households	20 percentage points

Example Direct Pay and Bonus Stacking

For example, a 5 MW solar project, owned by a Tribal government, meeting the requirements for the relevant bonuses, could earn up to a 70% investment credit, as a payment from the Treasury.

DOE loans from TELGP or the new EIR program **can stack** with relevant tax credits

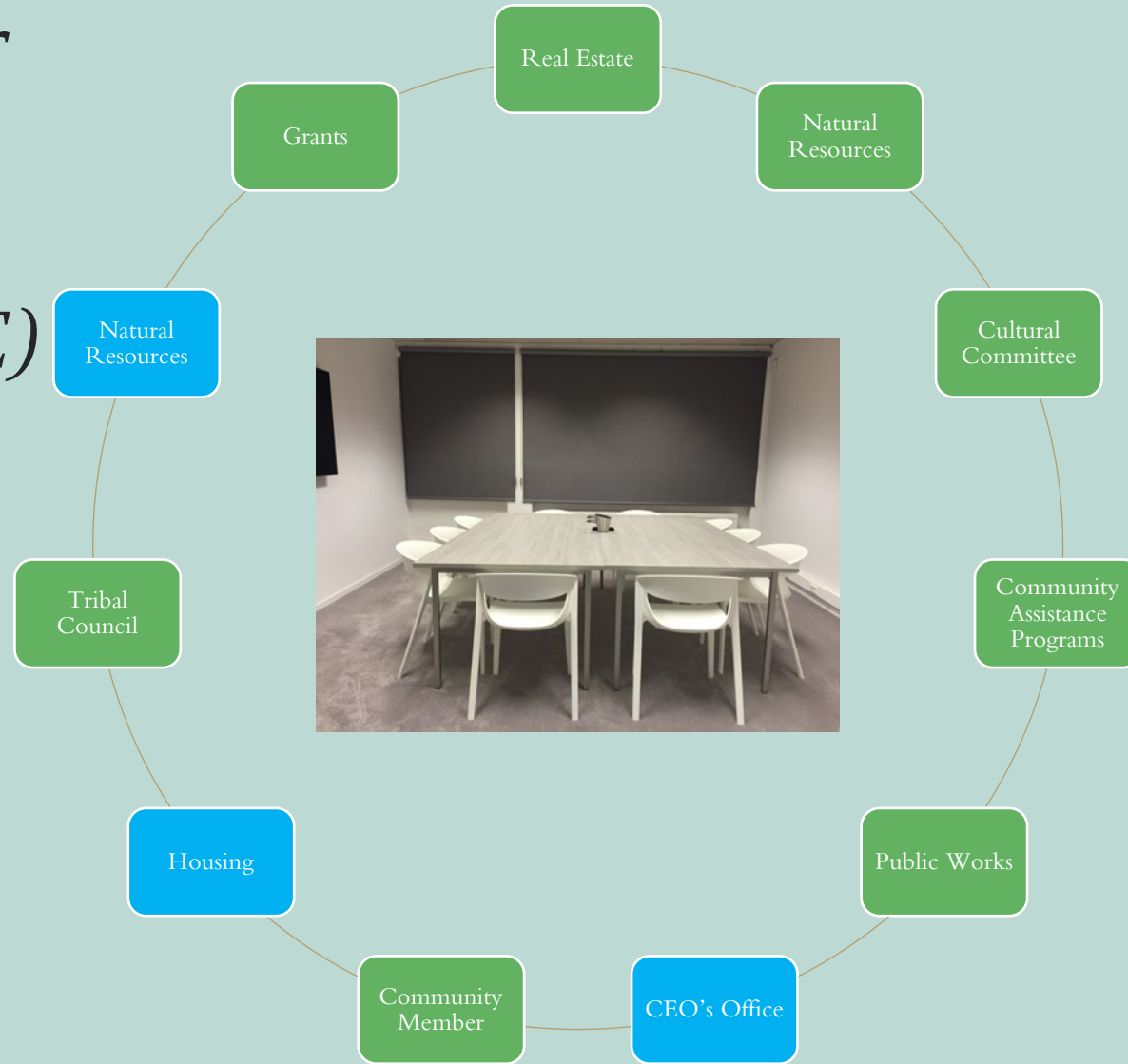
Category	Credit Value
Base investment tax credit value	6%
If prevailing wage and apprenticeship requirements met	30%
If domestic content criteria met	+10%
If located in energy community	+10%
If benefiting low-income population	+20%
Total Credit	70%

*Success at Securing
Federal Funding for
the Keweenaw Bay
Indian Community*

By Sarah Smith



Committee for Alternative & Renewable Energy (CARE) Composition



Projects

Alternative & Renewable Energy Strategic Plan

Assessing the Feasibility of Renewable Energy Development and Energy Efficiency Deployment on Tribal Lands-DOE
\$207,680 with match of \$15,000

[Keweenaw Bay Indian Community - 2010 Wind Project | Department of Energy](#)

Weatherization Training Project-DOE \$137,640

<https://www.energy.gov/indianenergy/keweenaw-bay-indian-community-2010-energy-efficiency-project#status>

Projects

Solar

- Food Distribution on Indian Reservation-20 kW-USDA
- Pre-Primary Building-HUD ICDBG
- Residential Treatment Facility ~60 kW& Health System ~90 kW-I.H.S. Facility funding

[KBIC earns award for use of solar energy | News, Sports, Jobs - The Mining Gazette](#)



Partnerships & Current Work

MICARES-Michigan Community & Anishinaabe Renewable Energy Sovereignty Project-
National Science Foundation (NSF) [grant #1934346](https://micares.net). <https://micares.net>

MTERA-Midwest Tribal Energy Resources Association <https://www.mtera.org/>

"Addressing Regulatory Challenges to Tribal Solar Deployment Guidebook" draft.

Miigwech!

Contact:

Sarah Smith

Member of KBIC Committee for Alternative & Renewable Energy

Proxy member for MTERA

Learning Tribal Citizen

Sarah.smith@8thfireconsulting.com

(906) 395-0140

Vehicle Electrification Funding

City of Ann Arbor





ANN ARBOR'S
LIVING CARBON NEUTRALITY PLAN
MARCH 2020

ACTION SUMMARY TABLE

	Total Costs	GHG Reduction	%Total emissions	\$/ton	Co-Benefits
ENERGY					
Community Choice Aggregation	\$3,245,000	754,000	35.8%	\$4	Coming Soon
Bulk Purchase of Renewables	\$605,000	85,000	3.9%	\$7	
Community Solar Program	\$205,000	11,500	0.5%	\$18	
Landfill Solar Project	\$80,000	23,000	1.1%	\$3.5	
ENERGY					
Electrification	\$2100,000	362,200	16.5%	\$5.20	Coming Soon
Electrify All Buses	\$80,575,000	13,800	0.6%	\$ 5,839	
Bulk Purchase EVs	\$700,000	122,900	5.6%	\$6	
Private EV Fleets	\$123,000	0	0.0%		
City EV Fleet	\$4,000,000	1,100	0.1%	\$3,636	
EV Infrastructure	\$42,000,000	0	0.0%		
ENERGY					
Bulk Purchase of Energy Efficiency	\$7100,000	242,500	10.5%	\$4	Coming Soon
Building Code Requirements	\$80,575,000	48,300	0.6%	\$ 40	
LED Lighting	\$700,000	2,600	0.6%	\$1,208	
Benchmarking	\$123,000	0	0.0%		
Loan Loss Reserve	\$4,000,000	0	0.0%		
Energy Concierge & Community Education	\$42,000,000	0	0.0%		
Net Zero Energy Affordable Housing	\$800,000	400	0.0%	\$2,000	
Green Rental Housing Program	\$530,000	0	0.0%		
Green Business Challenge	\$700,000	0	0.0%		
Aging in Place Efficiently	\$150,000	0	0.0%		
Weatherization Expansion	\$1,550,000	0	0.0%		
LAND USE					
Non-Motorized Plan	\$3,245,000	60,400	2.8%	\$40	Coming Soon
Expand Local and Regional Transit	\$605,000	93,300	4.3%	\$7047	
Park and Ride	\$205,000	28,400	1.3%	\$5,986	
Duplex/Triplex/ADUs	\$80,000	2,300	0.1%	\$114	
Mixed-Use Zoning	\$365,000	0	0.0%		
Parking Rates	\$4,500,000	0	0.0%		
WASTE					
Year Round Composting	\$26,000,000	400	0.1%	\$65,000	Coming Soon
Expand Commercial Recycling	\$18,400,000	5,600	0.3%	\$3,286	
Sustainable Material Use and Reuse	\$270,000	0	0.0%		
Circular Economy	\$270,000	0	0.0%		
Plant-Based Diet	\$208,400	0	0.0%		
Refrigerant Recycling	\$179,400	0	0.0%		
WASTE					
Resilience Hubs	\$5,025,000	2,500	0.1%	\$2,010	Coming Soon
Neighborhood and Youth Ambassadors	\$350,000	0	0.0%		
Tree Canopy	\$1160,000	450	0.0%	\$2,576	
Neighborhood Asset Mapping	\$300,000	0	0.0%		
Emergency Kits	\$350,000	0	0.0%		
Sensors and Data Monitoring	\$300,000	0	0.0%		
WASTE					
Equity Programs	\$200,000	0	0.1%		Coming Soon
SA2T Grant Program	\$1,000,000	0	0.0%		
Internal Carbon Tax	\$75,000	0	0.0%		
Offset	\$9,440,000	298,500	13.6%	\$32	
Total	\$1,096,402,800	2,188,900	100.0%		

A²ZERO

Goal, Plan, Framework, Actions

Together, creating and implementing a just transition to carbon neutrality by the year **2030.**



Finding the Dollars

- Federal Funding
 - Diesel Emissions Reduction Act
 - 1 Electric Refuse Truck to replace 1 Diesel Vehicle (punch a hole in that engine!)
 - Regional grant organized by American Lund Association
- State and Utility Funding
 - Fuel Transformation Grant – State (fast chargers)
 - Charging Forward – utility program (chargers)
 - Fuel Transformation Grant – State (EV refuse truck)



Project Challenges


- One for One replacement – challenging with new(ish) technology
- Supply chain issues
- Charging infrastructure needs (supplies and grid capacity)
- Needs far exceed funding
- Time and capacity



Future Opportunities

- More charging infrastructure
- Federal and state support for electrification
- Collaborative proposal writing
- Strategic regional planning and coordination on which grants to pursue, when
- Success – leads to success





The Future Looks Bright!
www.a2gov.org/sustainability



SOULARDARITY



HPC3

HIGHLAND PARK COMMUNITY CRISIS COALITION



City of
Highland Park

Pathways To Power

Organizing for root remedies in
Highland Park

We'll answer today:

What is the LEAP program?

What made Highland Park's success possible?

Who is the team leading the process?

What does the team hope to achieve?

What else is needed?

What is the LEAP program?

Communities LEAP

Local Energy Action Program



A 12-18 month partnership (competitive application) with the Dept. of Energy offering **technical assistance** to assist frontline communities to develop a citywide clean energy plan to:

- reduce local air pollution
- increase energy resilience
- lower utility costs and energy burdens
- create good-paying jobs
- Find funding for future projects

LEARN MORE: www.energy.gov/communitiesLEAP/communities-leap

(Local Energy Action Program)

Important Details about LEAP



- Application must include commitment from community stakeholders
- A backbone organization is needed
- 24-36 communities selected
- \$500K in technical assistance (not funding)

(Local Energy Action Program)

5 Pathways to Power



Highland Park qualified for 5 out of 7 pathways:

1. Clean energy infrastructure planning
2. Energy efficient & electrification of buildings & homes
3. Microgrids & energy storage
4. New Or Enhance Manufacturing
5. Transportation & mobility electrification

**What made Highland Park's
success possible?**

History Of Community Energy Action



*Solar Streetlight
Installations*

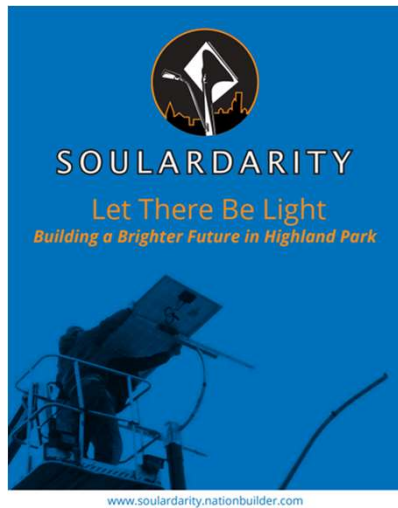


*Sustainable Public
Space Development*

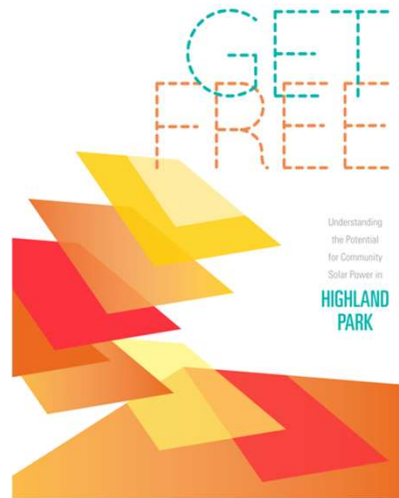


*Organizing For Policy
Change*

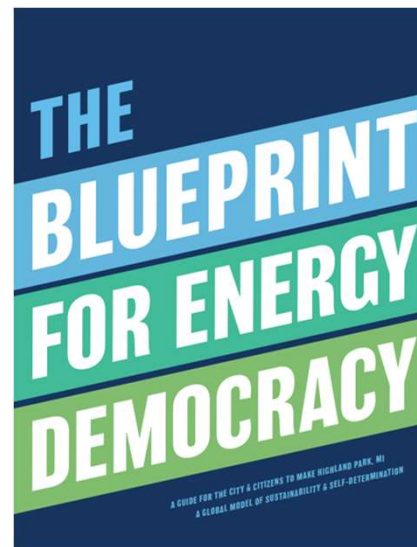
Community-Led Research



Citywide Solar Street light Feasibility



Model for community-scale solar projects



Holistic Policy & Projects Framework for Energy Democracy



100% Local Clean Energy Technical Feasibility Analysis

Community Coalition Building



The Highland Park Community Crisis Coalition's mission is to deliver social, economic, and ecological justice to Highland Parkers through moments of crisis and beyond. We have formed initially to provide immediate needs and economic relief to Highland Parkers impacted by the COVID-19 crisis. We aim to become a long term source of community resilience for Highland Parkers that moves from #Crisis2Justice.



**4000 LBS OF
FOOD + 150
GARDEN BEDS**

Established 150 bed farm and aquaponics management of food production for Say Clinic fresh food prescription program. Offered weekday and weekend market to serve fresh food to hundreds of residents.



**100,000 BOTTLES
OF WATER**

Met the emergency need for ongoing, reliable clean water access by collecting and distributing 100K bottles of water for residents.



**100,000+
NEWSLETTERS
DISTRIBUTED**

Created and distributed 100K hard copy community newsletters, called the Parker Village News, across 6 strategic locations to improve community communications about needed services and cultural events.



**EMERGENCY
RESILIENCY KITS**

Purchased, packaged, and distributed almost 3 dozen resiliency kits to in-need families and residents during the pandemic.



**\$15 K+
UTILITY
ASSISTANCE**

Provided \$15,000 of utility payment support and information related to utility and rental assistance to help Highland Parkers stay safely in their homes.



**WELLNESS
SERVICES**

Outreach for vaccination and COVID testing opportunities to Highland Parkers during the pandemic. Offered ongoing in person and virtual mental health and wellness trainings and workshops.

Community-City Collaboration

2021

JUST RECOVERY & RESILIENCY PLAN

Delivering social, economic, and ecological justice to Highland Parkers during moments of crises and beyond.



HIGHLAND PARK COMMUNITY CRISIS COALITION

OUR VISION: 6 X 6 X ALL

6 Resiliency
Hubs



6 resiliency hubs in
various neighborhoods

6 Impact
Areas



Housing, Assets, & Utility Security
Medical Services
Food & Clean Water Security
Jobs, Economy, Education & Investment
Transportation & Mobility
Communications & Connectivity

All
Residents



All of us working
together to protect
each other

Wide and Deep Network of Support



VOTE SOLAR



Justice40
Accelerator

Thanks to all of that...

HIGHLAND PARK IS ON THE

PATHWAY TO POWER !



Department of Energy

DOE Will Assist 23 Communities With Locally Tailored Pathways to Clean Energy

MARCH 29, 2022



**Who is the team leading this
process?**

The Multi-Stakeholder Team



Shimekia Nichols & Rafael Mojica
Soulardarity

Juan Shannon
Parker Village

Shu Harris
Avalon Village

Domon Garrett
City of Highland Park

**What does the team hope to
achieve?**

Scope Summary

Bucket 1: Solar Streetlights & City Code

Bucket 2: Grid Analysis* & Actionable Projects

Bucket 3: Community Choice Project

BONUS BUCKET: Electric Transit Analysis!

*For background on grid issues: <http://wethepeoplemi.org/dte> - scroll to the bottom for grid equity brief

Bottom Line Outcome:

Technical assistance is great - but it must lead to dollars for implementation.

Pathways To Power is a step towards Justice40 investments to right historical wrongs and make Highland Park a model of sustainability and equity.

How are we leveraging?

Community Geothermal Grant (\$710K) for design and analysis of district geothermal - submitted!

MPSC Low-Carbon Facilities Grant (up to \$50M) - exploring a planning grant for home improvements and energy generation via water treatment

What is needed more broadly?

- Grant-writing support
- General technical assistance (EJ TA Center from EPA)
- Core funding for cities and community organizations
- Shared advocacy for procedural justice
- Shared advocacy for strong definition of “benefits”

Contacts

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