

Opportunities for MI under the Bipartisan Infrastructure Law

Presentation to the MI Public Service Commission

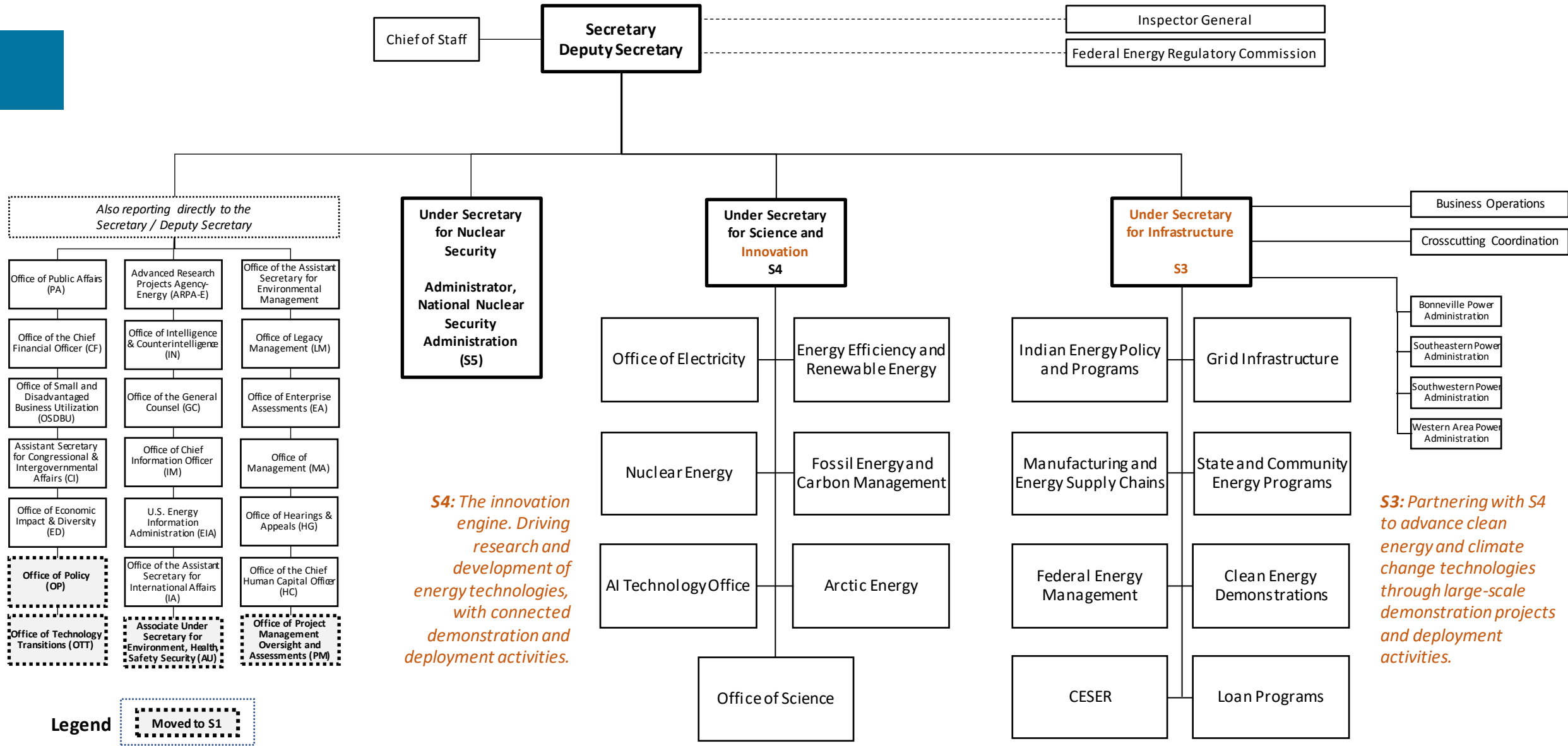
Kate Gordon, Senior Advisor to the Secretary



Bipartisan Infrastructure Law – \$62B to DOE

<https://www.energy.gov/bil/>





S4: The innovation engine. Driving research and development of energy technologies, with connected demonstration and deployment activities.

S3: Partnering with S4 to advance clean energy and climate change technologies through large-scale demonstration projects and deployment activities.

Legend Moved to S1

Expanding Access to Energy Efficiency and Clean Energy

Provides over \$5B for a more equitable clean energy future.

- Invests \$3.5 billion in the Weatherization Assistance Program to increase energy efficiency, increase health and safety, and reduce energy costs for low-income households by hundreds of dollars every year.
- Invests \$500 million for energy efficiency and renewable energy improvements at public school facilities.
- Invest \$550 million in the Energy Efficiency and Conservation Block Grant Program (EECBG) and \$500 million in the State Energy Program to provide grants to communities, cities, states, U.S. territories, and Indian tribes.

BIL Provisions – Energy Efficiency and Renewable Energy

Provision & Title	Title / Description	Details	Funding Type	Amount	Sector
40551	Weatherization Assistance Program	Increase the energy efficiency of dwellings owned or occupied by low-income persons, reduce total residential energy expenditures, and improve health and safety, especially low-income persons particularly vulnerable such as the elderly, handicapped and children.	Formula	\$3.5B	Residential
40552	Energy Efficiency and Conservation Block Grant Program	Assist states, local governments and Tribes to reduce energy use, reduce fossil fuel emissions and improve energy efficiency.	Formula (block grants, with small portion of funds competitive)	\$550M	Residential and commercial
40541	Energy Efficiency Improvements and Renewable Improvements at Public School Facilities	Provide energy efficiency, renewable energy and alternative fueled vehicle upgrades, and improvements at public schools.	Formula	\$500M	Schools
40502	Energy Efficiency Revolving Loan Fund Capitalization Grant Program	Capitalization grants to states to establish a revolving loan fund under which they can provide loans and grants for commercial and residential energy audits concerning the use and efficiency of energy.	Formula - States can provide grants for TA available for low-income individuals	\$250M	Residential and commercial

BIL Provisions – Energy Efficiency and Renewable Energy

Provision & Title	Title / Description	Details	Funding Type	Amount	Sector
40511	Cost-effective Codes Implementation for Efficiency and Resilience	State agency, State building code agency, State energy office, or Tribal energy office	Formula	\$225,000,000 – \$45,000,000 per year until expended for each FY 2022-2026	Residential and commercial
40503	Energy Auditor Training	State agency, State building code agency, State energy office, or Tribal energy office May partner with local building code agencies, codes and standards developers, associations of builders and design construction professionals, local and utility energy efficiency programs, and consumer, energy efficiency and environmental advocates	Competitive and formula (sed on population of eligible state and not to exceed \$2M / per state	\$40M	Commercial
40521	Expansion of Industrial Assessment Centers		Competitive	\$550M	Industrial
40209	Advanced Energy Manufacturing and Recycling Grant Program		Competitive	\$750M	Industrial
40534	State Manufacturing Leadership		Competitive	\$50M	Industrial

Investing in American Manufacturing and Workers

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
- Expand the authority of DOE's Loan Program Office

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

Delivering Reliable, Clean, and Affordable Power to More Americans

Bringing the electrical grid into the 21st century

- Invest **\$11 billion** in grants for states, tribes, and utilities to enhance the resilience of the electric infrastructure against disruptive events such as extreme weather and cyber attacks
- Establish a **\$2.5 billion** Transmission Facilitation Program for DOE
- Back a **\$3 billion** expansion of the Smart Grid Investment Matching Grant Program

Maintaining our existing clean generation fleet

- Allocate **\$6 billion** for the Civilian Nuclear Credit program to prevent premature retirement of existing zero-carbon nuclear plants
- Invest more than **\$700 million** in existing hydropower facilities

BIL Provisions – Electric Grid

Provision	Title	Key Detail(s)	Funding Type	Amount	Lead Office
40101	Grid Infrastructure, Resilience, and Reliability	Supports activities to reduce the impacts to the electric grid due to extreme weather.	Formula - includes population, land area, and the historical precedence for experiencing disruptive events.	\$5 billion for FY22-FY26	States, tribes and territories
40103b	Upgrading Our Electric Grid and Ensuring Reliability and Resiliency	Program for states, tribes, PUCs and local governments for transmission, storage, and distribution hardening and regional grid resilience.	Competitive	\$5 billion for FY22-FY26	State, combination of 2 or more states; Indian Tribes; units of local government, and/or PUCs
40103c	Energy Improvement in Rural and Remote Areas	Uses: (A) Overall cost-effectiveness of energy generation, transmission or distribution systems; (B) siting or upgrading transmission and distribution lines; (C) reducing greenhouse gas emissions from energy generation by rural or remote areas; (D) providing or modernizing electric generation facilities; (E) developing microgrids; and (F) increasing energy efficiency.	Competitive	\$1 billion for FY22-FY26	Industry partners, utilities, national laboratories, universities, State and local governments, community based organizations, Tribal, and environmental groups
40106	Transmission Facilitation Program and Fund	Allows DOE to serve as an “anchor tenant” for a new transmission line or an upgrade of an existing line.	N/A	\$2.5 billion RLF – available until expended	
40107	Deployment of Technologies for Grid Flexibility - Smart Grid Investment Matching Grant Program	Amends Energy Independence and Security Act of 2007 to include Smart Grid investments	Competitive	\$3 billion for FY22-FY26	Investor-owned and municipality-owned utilities, and rural electric cooperatives.

BIL Provisions – Electric Grid (2)

Provision	Title	Key Detail(s)	Funding Type	Amount	Lead Office
41001a	Energy Storage Demonstration Projects	Authorizes funding for the Energy Storage Demonstration Projects and Pilot Grant Program authorized by the Energy Act of 2020.	Competitive	\$355 million for FY 22-25	Technology developers, industry, State and Local governments, Tribal organizations, community based organizations, national laboratories, universities and utilities.
41001b	Long-Duration Demonstration Initiative and Joint Program		Competitive	\$150 million for FY22-25	Technology developers, industry, State and Local governments, Tribal organizations, community based organizations, national laboratories, universities and utilities.
40104	Utility demand response	Each electric utility shall promote the use of demand-response and demand flexibility practices by commercial, residential and industrial consumers to reduce electricity consumption during periods of unusually high demand.	N/A	N/A	



Transportation & Electric Vehicle Infrastructure

- **Joint Office on Energy and Transportation**
 - Deploy \$7.5 billion from BIL
 - Play a key role in building out a national network of electric vehicle charging stations with a focus on filling gaps in rural, disadvantaged and hard-to-reach locations.
 - Provide technical assistance to states and localities
 - Support Training and certification programs to strengthen career pathways

BIL Provisions – Sustainable Transportation

Provision & Title	Title / Description	Key Detail(s)	Funding Type	Amount	Eligible Entity
40541.	Energy Efficiency Improvements and Renewable Improvements at Public School Facilities	Allows funding for EVSE	Formula	\$500M	BTO
40511.	Cost-effective Codes Implementation for Efficiency and Resilience	EV-ready codes	Formula	\$225M	BTO
25006	Federal Agency EV Joint Office Working Group (DOT and DOE) – state TA (no \$)	DOT, DOE and EPA	Technical assistance	N/A	VTO
40112	V2G and Battery Recycling - (subset of program includes grants to states to help with recycling efforts)	Part of larger R&D program	Formula	\$50M	VTO
40431	Electrification of the transportation sector (e.g., rate design to support EV charging usage)	PUCs	Technical assistance	No funding	VTO



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

Funding Distribution and Implementation

- Distribution and Timelines
 - The BIL is a once in a generation legislative effort to rebuild the country's infrastructure.
 - Unlike spending bills in the past that have focused on short term results, BIL is a long-term investment in our nation and will mean operating on a different timeline.
 - Most programs will operate over a five-to-ten-year timeline to provide states, cities and territories ongoing support they need to deliver these transformative projects for communities.
 - Our measure of success is not the speed at which money gets spent but the long-lasting infrastructure, jobs, and industry created.
 - Still, DOE has continued to roll out funding to states and is on track to roll out around half of the \$60B Congress appropriated to the Agency in FY22

Support for Michigan

- Provisions in BIL offer many opportunities to benefit ratepayers
- Prior and current support for Michigan
 - January - Michigan received \$384.7M in home energy assistance under the American Rescue Plan
 - February - hosted a State Listening Session to hear from states on their needs around BIL, five (5) attendees from Michigan's PSC and Energy Office attended.
 - March - DOE issued \$3.16B to support states to retrofit thousands of low-income homes to make them healthier and more energy efficient while lowering utility bills.
 - Full WAP allocation is \$3.5B has not been issued
 - Early April – RFI for schools (due mid-May) – EV schools buses eligible and Building Codes (due in mid-May)
 - Late April – RFI for [Preventing Outages and Enhancing the Resilience of the Electric Grid](#) (responses due in June)
 - May – two (2) FOAs for Battery Recycling and Use (concept papers due in late May)

Find updates at energy.gov/bil (Bookmark it!)

DOE Bipartisan Infrastructure Law Program & Funding Opportunity Announcements

Show entries

Search:

BIL PROVISION NAME	TYPE OF ANNOUNCEMENT	STATUS	ANNOUNCEMENT DATE	RESPONSE DUE DATE
Regional Clean Hydrogen Hubs	Request for Information	Open	2/15/2022	3/8/2022
Rare Earth Elements Demonstration Facility	Request for Information	Open	2/14/2022	3/31/2022
Electric Drive Vehicle Battery Recycling and Second-Life Applications Program	Notice of Intent	N/A	2/10/2022	N/A
Clean Hydrogen Electrolysis Program	Request for Information	Open	2/15/2022	3/29/2022
Civil Nuclear Credit Program	Request for Information	Open	2/10/2022	3/17/2022
Battery Materials Processing Grants; Battery Manufacturing and Recycling Grants	Notice of Intent	N/A	2/10/2022	N/A

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IWG Clearinghouse: Doorway to BIL Opportunities for Energy Communities



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

124

Open/Planned Opportunities Currently Available

(Last updated: 2/24/24)

49

Opportunities Don't Require Matching Funds

(Last updated: 2/22/24)

\$199B+

Open/Planned Funding Available

(Last updated: 2/22/24)



Learn about new Bipartisan Infrastructure Law funding →

\$199B+

Value of Open/Planned Ongoing Appropriation Opportunities

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

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Open/Planned Ongoing Appropriation Opportunities

12

Agencies Represented

49

Opportunities w/ no cost share

Dozens of new opportunities coming with the new Bipartisan Infrastructure Law (BIL)

<https://energycommunities.gov/funding>

Regional Specialists: The “Front Door” to DOE

DL-RegionalSpecialists@hq.doe.gov



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Christian Bato
Southwest



Crystal Perkins
South



Aimee Witteman
Deputy Asst Secretary for
Intergovernmental Affairs



Coming Soon
Non-contiguous States

Thank You!

For all Infrastructure Bill-related question please reach out to our regional specialists:

DL-RegionalSpecialists@hq.doe.gov

**Interagency Working Group on
Coal and Power Plant Communities and Economic Revitalization:
EnergyCommunities.gov**

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