

INVESTING IN MAINE'S ENERGY AND BUILDING EFFICIENCY INFRASTRUCTURE

Opportunities for Local Communities



Co-hosted by:

Maine Municipal Association

Maine Governor's Office of Policy Innovation and the Future



Thursday,
February 15, 2024

RECENT MAJOR FEDERAL INFRASTRUCTURE FUNDING LAWS

2021: American
Rescue Plan Act (ARPA)

\$1.9 trillion

~\$1b for the *Maine Jobs & Recovery Plan (MJRP)*

**Workforce Development,
Business Supports,
Infrastructure Upgrades**

*Economic recovery funding
that includes infrastructure
upgrades*

2021: Bipartisan
Infrastructure Law (BIL)

\$1.2 trillion

~\$2.5b available to ME

**Transportation, Environment
& Resiliency, Energy,
Broadband**

*Many initiatives targeting
community infrastructure*

2022: Inflation
Reduction Act (IRA)

\$394
billion

Clean Energy

*Much in form of incentives for
individuals and private firms
(tax credits, loans, grants)*

2022: CHIPS & Science
Act (CHIPS)

\$280
billion

**Semiconductors
manufacturing & Science
R&D**

*Incentives for semiconductor
manufacturers, plus
significant funding for
research and workforce
institutions*

GOVERNOR'S INFRASTRUCTURE IMPLEMENTATION COMMITTEE

Governor Mills [signed Executive Order 2 on April 25, 2022, to mobilize a cross-agency effort](#) to coordinate Bipartisan Infrastructure Law (BIL) implementation among the state, municipal, tribal, county and other government entities in Maine. The ongoing coordination has expanded to include focus on multi-agency IRA and CHIPS opportunities.

Members of the Committee includes leadership and staff from:

- Department of Administrative and Financial Services (DAFS)
- Department of Economic and Community Development (DECD)
- Department of Environmental Protection (DEP)
- Department of Health and Human Services (DHHS)
- Department of Transportation (DOT)
- Governors Energy Office (GEO)
- Staff from the Governor's Office and the Governor's Office of Policy Innovation and the Future will provide Committee Leadership and staffing support (GO & GOPIF)
- Department of Labor, the Maine Connectivity Authority, Maine Housing, and the Efficiency Maine Trust collaborate with the Committee and working groups as needed

Justice40 Staff Working Group – established to align agencies around the federal requirement of delivering and tracking at least 40% of benefits to Priority and Disadvantaged Communities

Resilience Working Group – Coordinating funding of natural resource and resilience projects, led by GOPIF and DOT staff. Other agencies include:

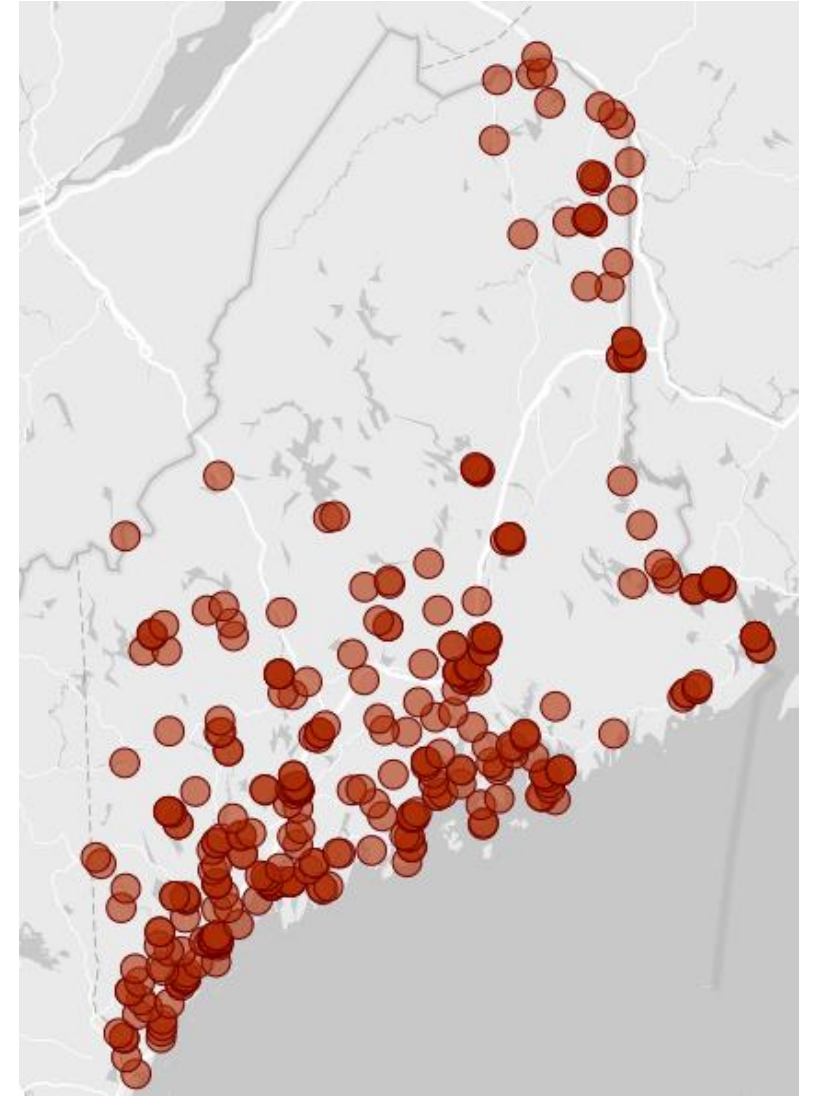
- Department of Marine Resources
- Department of Agriculture, Conservation, & Forestry
- Department of Inland Fisheries and Wildlife (DIF&W)
- Maine Emergency Management Agency

Broadband Working Group – established to align broadband infrastructure needs and plans with other projects and Agencies

Workforce Working Group – Led by DOL and established to identify and address cross-agency infrastructure workforce needs and funding opportunities

PROGRESS IN MAINE

- To date, over \$2 billion in federal infrastructure funding (both formula and competitive) has been announced for projects in Maine, including:
- \$1.4 billion for transportation infrastructure (roads, bridges, public transit, ports, and airports)
- \$340 million for projects to increase climate resilience and protect Maine's environment
- \$303 million to expand broadband access
- \$83 million for clean energy, energy efficiency, and power



BIL/IRA/CHIPS funding in Maine to date



OUR PLAN FOR TODAY

✓ Welcome

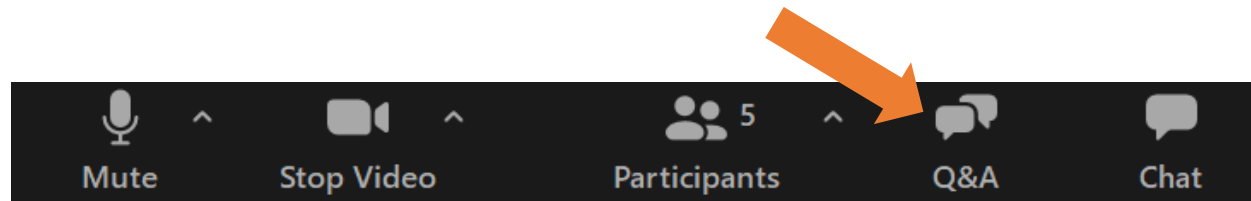
Zoom Logistics

Opportunities for Local Communities - GEO

Staying in Touch: Website, Email bulletin, Other resources

ZOOM INFO

- During webinar, you can submit questions using Zoom's Q&A feature:



- The presentation is being recorded
- A copy of the materials will be available following the webinar on our website: www.maine.gov/bil

FEDERAL INFRASTRUCTURE – FOCUS AREAS



Transportation



Broadband &
Technology



Energy Programs &
Building Efficiency



Resilience &
Environmental
Protection

FEDERAL INFRASTRUCTURE – FOCUS AREAS

Webinar – Jan 18, 2024

Transportation

Roads & Bridges

EV Charging Stations

Ferries & Ferry Terminals

Airports & Ports of Entry

Public Transit

Downtown Revitalization Projects

Webinar – Feb. 1, 2024

Broadband & Technology

TA & Community Capacity Building

Middle Mile Investments

Digital Equity

State & Local Cyber-Security

Rural Broadband Expansion

Mapping of Broadband Infrastructure

Energy Programs & Building Efficiency

Grid Resilience

Weatherization & Heating Assistance

Energy Efficiency in Schools

Training on Updated Building Codes

Reduce Industrial Emissions

Wind & Marine Energy

Webinar – Feb. 29, 2024

Resilience & Environmental Protection

Superfund & Brownfield Cleanups

Clean Drinking Water

Wastewater

Fish Passage & Habitat Restoration

Wildfire Prevention

Flood Mitigation



OUR PLAN FOR TODAY

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OPPORTUNITIES FOR LOCAL COMMUNITIES

1. Energy Efficiency and Conservation Block Grant Program (EECBG)
2. Energy Improvements in Rural or Remote Areas
3. Grants for Energy Improvements at Public School Facilities
4. Grid Resilience and Innovation Partnerships (GRIP) Program



Governor Mills, joined by White House National Climate Advisor Ali Zaidi, Hannah Pingree and Maine Community College System President David Daigler watch a demonstration by Dave Whittemore in the heat pump workforce lab at Kennebec Valley Community College on July 21, 2023. The governor announced a new heat pump installation goal after the state surpassed the original 100,000 installed by 2025 goal a full two years early.

Federal Funds – State Approach

- **Executive Order 2:** An Order Establishing the Governor's Infrastructure Implementation Committee
 - **Participating agencies:** Departments of Administrative and Financial Services, Economic and Community Development, Environmental Protection, Transportation, Health and Human Services, Maine Connectivity Authority, and the Governor's Energy Office
- **Purpose:** Coordinate activities of state agencies to maximize the benefits of BIL. Ensure resources to utilize funds and coordinate on cross-cutting issues including permitting, workforce, labor requirements, and Justice40.

Energy Opportunities

\$97 billion in funding from the Bipartisan Infrastructure Law and Inflation Reduction Act to accelerate the clean energy transition

- **Formula Funds to Maine**

- \$72M in funds for home energy rebate programming
- ~\$10M in grid resilience program funds
- \$2.4M for building energy codes
- \$1.3M for workforce development

- **Competitive Programs**

- Tracking and engaging with federal competitive programs where aligned with state climate and resilience priorities, such as **Solar for All** program

www.maine.gov/energy/initiatives/federalfunding

Energy Improvements in Rural or Remote Areas

Overview	<p>This program is designed to provide financial assistance to improve the resilience, safety, reliability, and availability of energy in rural or remote areas of the U.S. DOE aims to fund projects that:</p> <ul style="list-style-type: none">• Deliver measurable benefits to energy customers in rural or remote areas by funding energy projects that lower energy cost, improve energy resilience, and/or reduce environmental harm.• Demonstrate new rural or remote energy system models using climate-resilient technologies, new business structures and workforce models, new financing mechanisms, and/or new community engagement best practices.• Build clean energy knowledge, capacity, and self-reliance in rural America in order to enhance ease of replicability in similarly situated communities.
Candidates & Eligibility	<p>Eligible entities include Industry Partners, Utilities, National Laboratories, Universities, State and Local Governments, Community Based Organizations, Tribes, Environmental Groups and cities, towns, or unincorporated areas with populations of fewer than 10,000 inhabitants.</p> <p>Eligible uses include:</p> <ul style="list-style-type: none">• Overall cost-effectiveness of energy generation, transmission, or distribution systems;• Siting or upgrading transmission and distribution lines;• Reducing greenhouse gas emissions from energy generation by rural or remote areas;• Providing or modernizing electric generation facilities;• Developing microgrids; and• Increasing energy efficiency.
Timing	<p>DOE's Office of Clean Energy Demonstrations (OCED) issued 3 funding opportunities under this program in 2023. Further information TBD (i.e., timing, uses, priorities, etc.) on the program design for remaining ~\$650M of the \$1B program, potentially tranching.</p>
Website	<p>OCED – Energy Improvements in Rural or Remote Areas</p>
Contact	<p>GEO: Caroline.Colan@maine.gov; Allie.Rand@maine.gov</p>

Grid Resilience and Innovation Partnerships (GRIP) Program

Overview	DOE's Grid Deployment Office (GDO) is administering a \$10.5 billion Grid Resilience and Innovation Partnerships (GRIP) Program to enhance grid flexibility and improve the resilience of the power system against growing threats of extreme weather and climate change. These programs will accelerate the deployment of transformative projects that will help to ensure the reliability of the power sector's infrastructure so all American communities have access to affordable, reliable, clean electricity anytime, anywhere. This program includes three separate initiatives with different goals, eligibility, and timelines.
Candidates & Eligibility	<ul style="list-style-type: none">• Grid Resilience Utility and Industry Grants (\$2.5 billion) – <i>NOT open to state and local government entities or tribes.</i>• Smart Grid Grants (\$3 billion) – <i>Open to state and local government entities, tribes, non-profit and for-profit entities.</i>• Grid Innovation Program (\$5 billion) – <i>Open to state and local government entities, tribes, and public utility commissions.</i>
Accessing this Program	View recordings of public webinars that discuss the GRIP program funding opportunity here .
Timing	Concept papers for the first round of funding for each of these three opportunities were due in December 2022, January 2023, and January 2024. However, DOE anticipates additional funding rounds will open between 2025-2026.
Website	GDO – Grid Resilience and Innovation Partnerships Program
Contact	GEO: Allie.Rand@maine.gov

Grants for Energy Improvements at Public School Facilities

Overview	The U.S. Department of Energy (DOE) has launched a \$500 million grant program spread across FY22-26 to make public schools more energy efficient. The opportunity aims to prioritize schools with high needs to provide energy efficiency (envelope, HVAC, lighting, controls, etc.), ventilation, renewable energy, alternative vehicles, and alternative fuel vehicle infrastructure improvements.
Candidates & Eligibility	Eligible applicants include a consortium of one local education agency and one or more schools, non-profits, for-profits, and community partners.
Accessing this Program	<p>This program will be administered by DOE’s Office of State and Community Energy Programs (SCEP). Individual grants will have a period of performance of 24 to 60 months. A cost share of at least 5% will be required by project awardees.</p> <p>GEO, GOPIF, and the Maine Department of Education have some limited resources to assist local education agencies and schools in applying for this grant opportunity.</p>
Timing	This program is funded for a total of \$500 million. The first round of this program initially allocated \$80 million but due to overwhelming demand funded \$178 million in projects in 2023. The second round of this program is anticipated to open in Spring 2024. Further information TBD (i.e., uses, priorities, etc.)
Website	SCEP – Grants for Energy Improvements at Public School Facilities
Contact	DOE: schoolsfoa@doe.gov Maine: Jessica.P.Scott@maine.gov ; Ross.Anthony@maine.gov

Home Energy Rebates: HER and HEAR

Overview	The Home Energy Rebates will help American households save money on energy bills, upgrade to clean energy equipment and improve energy efficiency, and reduce indoor and outdoor air pollution. The U.S. Department of Energy (DOE) estimates that these rebates will save households up to a \$1 billion on energy bills each year and support over 50,000 U.S. jobs. This website includes information about the IRA Home Efficiency Rebates (HER) and Home Electrification and Appliance Rebates (HEAR).
Candidates & Eligibility	HER: Any income single and/or multifamily buildings where rebates are increased for low income HEAR: Low (<80% of AMI) and moderate-income (<150% of AMI) single and/or multifamily households
Accessing this Program	The Governor's Energy Office will submit the application for this program in the coming months in close partnership with the Efficiency Maine Trust and the Maine State Housing Authority. Funds for HER (\$35.9 million) and HEAR (\$35.7 million) will be implemented by the Efficiency Maine Trust.
Timing	Funds for both HER and HEAR are anticipated to be available Summer 2024.
Website	DOE or GEO
Contact	GEO: Ross.Anthony@maine.gov

Resources: The Efficiency Maine Trust

Overview	The Efficiency Maine Trust (Efficiency Maine) is the independent, quasi-state agency established to plan and implement energy efficiency programs in Maine. Through its suite of nationally recognized programs, Efficiency Maine provides consumer information, marketing support, demonstration pilots, discounts, rebates, loans, and other initiatives to promote high-efficiency equipment and operations that help Maine's homes, businesses, and institutions reduce their energy costs and lower their greenhouse gas emissions.
Programs	Residential Commercial and Industrial: Prescriptive Commercial and Industrial: Custom Municipal Resources Municipal Lease
Contact	Efficiency Maine: info@efficiencymaine.com 866-376-2463



The screenshot shows the Efficiency Maine website. At the top left is the logo for 'efficiency MAINE'. To the right of the logo are navigation links: 'AT HOME', 'AT WORK', 'GREEN BANK', 'RESOURCES', and 'ABOUT'. Further right is the phone number '866-376-2463', a 'Contact' link, and a Facebook icon. A search icon is also present. The main heading is 'Resources for Municipalities'. Below this is a photograph of a white town office building with a green sign that reads 'TOWN OFFICE' and 'Town of Mendon - Incorporated 1788'. Below the photo, the text states: 'Efficiency Maine has a number of resources for towns and cities wanting to help their residents and businesses save money and increase their energy efficiency. Click here for municipal incentives.' Under the heading 'Outreach Resources', there is a list of five items: 1. Efficiency Maine Rebates Brochure, 2. Guide to Promoting Energy Efficiency, 3. Efficiency Maine Brochure Request Form, 4. Learn about collective purchase, and 5. Installer Locator. Below this list is a thumbnail image of the 'Efficiency Maine Residential Incentives' brochure. Under the heading 'Technical Information', there is a list of two items: 1. Compare Water Heating Costs Calculator and 2. Compare Home Heating Costs Calculator.

<https://www.efficiencymaine.com/resources-for-municipalities/>

Resources: The Community Resilience Partnership

Overview	Through grants and direct support to municipal and tribal governments and unorganized territories, the Community Resilience Partnership assists communities to reduce carbon emissions, transition to clean energy, and become more resilient to climate change effects such as to extreme weather, flooding, rising sea levels, public health impacts, and more.
Programs	Support for Communities Grant Opportunities See how communities are being supported by the CRP here .
Contact	Ashely Krulik: Ashley.Krulik@maine.gov

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Governor's Office of Policy Innovation and the Future

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Community Resilience Partnership

Working to help Maine communities reduce emissions and prepare for the effects of climate change.

COMMUNITY RESILIENCE PARTNERSHIP

Hear from Partnership communities in our video:

Through grants and direct support to municipal and tribal governments and unorganized territories, the Community Resilience Partnership assists communities to reduce carbon emissions, transition to clean energy, and become more resilient to climate change effects such as to extreme weather, flooding, rising sea levels, public health impacts, and more.

See our [Partner communities and where grants are at work across Maine](#).

New Grant Opportunities

The Governor's Office of Policy Innovation and the Future is excited to announce the opening of three grant opportunities for municipal and tribal governments and unorganized territories through the Community Resilience Partnership.

Community Action Grants (up to \$50,000) <ul style="list-style-type: none">Enables eligible communities to implement projects that reduce energy use and costs, transition to clean energy, and make communities in Maine more resilient to climate change.This round of Community Action Grants is	Energy Efficiency Priorities Grants (up to \$100,000) <ul style="list-style-type: none">This is a special, one-time grant offering through the Community Resilience Partnership to distribute federal funds to disadvantaged communities for projects that improve energy efficiency and implement clean energy systems.	Service Provider Grants <ul style="list-style-type: none">Grants to service provider organizations to assist communities to prepare for and enroll in the Community Resilience Partnership and then apply for grant funds to undertake priority projects.Application Deadline: February 2, 2024
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<https://www.maine.gov/future/climate/community-resilience-partnership>

Resources: The Community Resilience Partnership



Mainers' Guide to Climate Incentives

MAINE WON'T WAIT

Financial support from state and federal programs can help you make smart, climate-friendly investments in your home, transportation, business, and more.

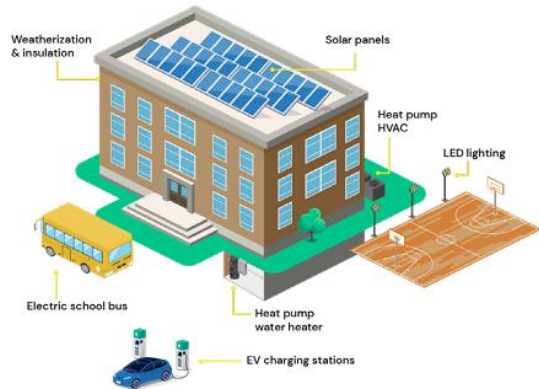
Jan 2024

HOME p3 	VEHICLE p4 	BUSINESS p5 	MUNICIPALITIES & SCHOOLS p6 
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CLIMATE INCENTIVES FOR MUNICIPALITIES & SCHOOLS

Federal and state incentives can help towns and school systems invest in clean and efficient energy upgrades for buildings, fleets, and more. Tax-exempt entities are now eligible to claim some federal tax credits thanks to new IRS rules on “elective pay.”

Learn more at www.irs.gov/credits-deductions/elective-pay-and-transferability



AVAILABLE INCENTIVES

<h4>Electric Vehicles</h4> <p>Federal Incentives</p> <p>45W Commercial Clean Vehicle Tax Credit:</p> <ul style="list-style-type: none">• up to \$7,500 for commercial EVs under 14,000 pounds• up to \$40,000 for commercial EVs over 14,000 pounds (e.g. electric buses) <p><i>For guidance see www.irs.gov/credits-deductions/commercial-clean-vehicle-credit</i></p> <p>Maine Incentives</p> <p>Efficiency Maine rebates, up to 10 allowed in each 12 month period:</p> <ul style="list-style-type: none">• \$7,500 for a new battery EV• \$2,000 for a new plug-in hybrid EV• \$350 for level 2 EV charger	<h4>EVChargers</h4> <p>Federal Tax Credits</p> <p>IRS tax credit 30C offers:</p> <ul style="list-style-type: none">• 30% of costs for EV chargers, up to \$100,000, in eligible low-income/non-urban communities <p>Maine Incentives</p> <p>Efficiency Maine has several programs for public and commercial EV charging.</p> <p>Visit www.energymaine.com/at-work-electric-vehicles-and-charging-solutions/</p>	<h4>Solar</h4> <p>Federal Incentives</p> <p>Solar tax credits have been expanded by the Inflation Reduction Act, and include tax-exempt entities:</p> <ul style="list-style-type: none">• 30% of all costs for rooftop solar <p>See more information at www.energy.gov/eere/solar/federal-solar-tax-credits-businesses</p>	<h4>Energy Efficiency</h4> <p>Maine Incentives</p> <p>Efficiency Maine has programs for all types of municipal buildings to help with efficiency measures such as lighting, HVAC, water heating, and more.</p> <p>For more information, visit Efficiency Maine's website, contact (866) 376-2463, or email info@energymaine.com.</p> <p>See examples of municipal projects at www.energymaine.com/docs/municipal-resources-information-sheet-2021_08_25.pdf</p>
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Resources

Sign up for updates:

- [GEO's newsletter](#)
- [CRP's newsletter](#)
- [Maine Climate Council's newsletter](#)
- [Efficiency Maine's newsletter](#)

Additional Federal Resources:

- [Guidebook to the Bipartisan Infrastructure Law](#)
- [Guidebook to the Inflation Reduction Act](#)
- [OCED's Federal Energy Funding for Rural or Remote Areas: A Guide for Communities](#)
- [White House Direct Pay Landing Page](#)



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✓ Opportunities for Local Communities - GEO

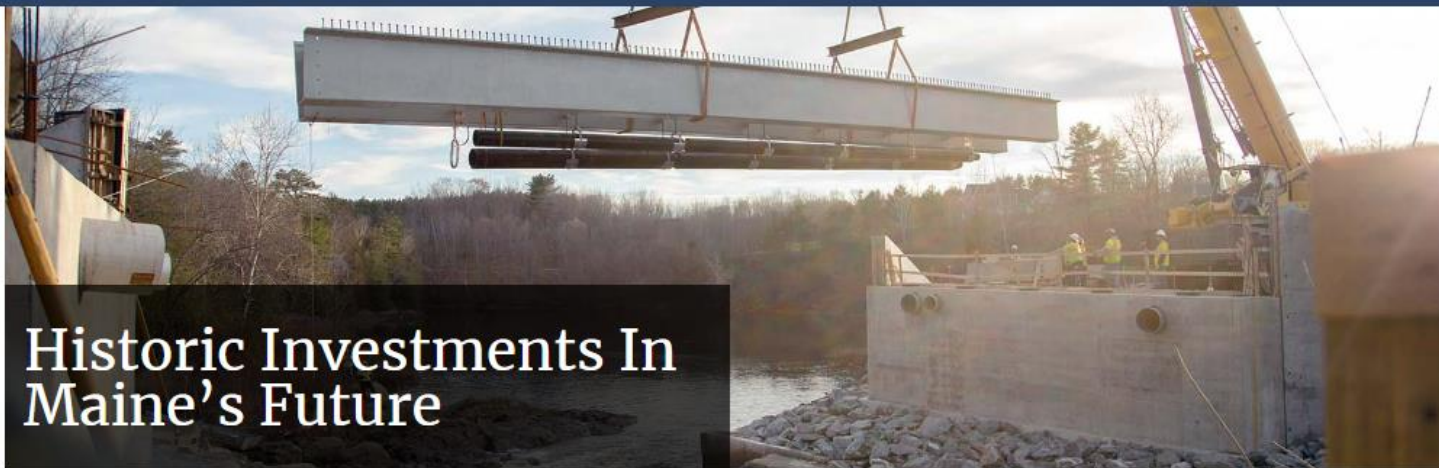
Staying in Touch: Website, Email bulletin, Other resources

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Historic Investments In Maine's Future

"This once-in-a-generation investment will help us fix our roads and bridges, expand high-speed broadband, improve access to clean drinking water, and build a cleaner, more sustainable transportation network – all while putting Maine people to work in good-paying jobs. I thank the President and Maine's Congressional Delegation for their work to get it done."

– Governor Janet Mills

The Bipartisan Infrastructure Law (BIL), signed by President Joseph Biden with the support of Maine's full Congressional delegation, offers a historic opportunity to invest in Maine's roads and bridges, expand broadband and public transportation systems, improve climate resilience, build a clean energy future, ensure clean drinking water, and grow Maine's economy through sustained investment and good-paying jobs.



BIL Projects Near You

With an estimated \$2.5 billion available to Maine through both direct and competitive funds, the Mills Administration is committed to ensuring Maine people and communities receive the greatest possible benefit from BIL.

This dashboard contains data about many BIL programs, focusing primarily on those that have provided direct grants. In most cases, dollar values shown are the awards authorized by the program. Data will be updated it becomes available. For more about each category, [visit the Categories page](#).

Use the below dropdown menus to filter/search. Hold "Control" key to select multiple options. Click the arrow on the left to reset all filters.

BIL Program: All | Category: All | Town/City: All | County: All

Legend: ● Broadband & Technology ● Energy Programs & Bail ● Resilience & Enviro... ● Transportation

BIL Program	Federal Agency	Awards	Funding
Accelerated Innovation Deployment Demonstration Program	DOT	1	\$800,000
Airport Infrastructure Grants	DOT	64	\$29,400,983
Airport Terminal Program	DOT	3	\$15,203,825
America's Beautiful Challenge	NRWF	3	\$11,652,500
Areas of Persistent Poverty Program	DOT	1	\$650,462
Broadband Equity, Access, and Deployment (BEAD) Program	NTIA	1	\$271,977,723
Brownfields Projects	EPA	22	\$32,772,850
Building Resilient Infrastructure and Communities (BRIC)	FEMA	1	\$1,866,730

BIL Program	Funding Recipient	Town/City	Project Description	County	Funding
Accelerated Innovation Deployment Demonstration Program	Maine Department of Transportation	Augusta	Pilot improvements to MDOT's ability to manage data through the use of sensors, social media platforms, third-party data providers, and specially developed mobile apps	Kennebec	\$800,000
Airport Infrastructure Grants	Auburn/Lewiston Municipal - LEW	Auburn	Airport infrastructure upgrades	Androscoggin	\$587,000
Airport Infrastructure Grants	Augusta State - AUG	Augusta	Airport infrastructure upgrades	Kennebec	\$587,000
Airport Infrastructure Grants	Bangor International - BGR	Bangor	Airport infrastructure upgrades	Penobscot	\$5,477,831
Airport Infrastructure Grants	Belfast Municipal - BST	Belfast	Airport infrastructure upgrades	Waldo	\$255,000
Airport Infrastructure Grants	Bethel Regional - 0B1	Bethel	Airport infrastructure upgrades	Oxford	\$304,000
Airport Infrastructure Grants	Biddeford Municipal - B19	Biddeford	Airport infrastructure upgrades	York	\$304,000
Airport Infrastructure Grants	Brunswick Executive - BNM	Brunswick	Airport infrastructure upgrades	Cumberland	\$304,000

Microsoft Power BI

SIGN UP FOR BIL EMAILS & WEBINARS

BIL Resources

Information and guidance about BIL for interested parties in Maine.

Build.gov

Visit build.gov to view the latest federal information about BIL, state-level factsheets, and [the technical assistance guides for communities](#).

Contact Us

[Send us a question about BIL](#) projects, funding opportunities, or implementation process using our online form.

Credits



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Q&A

Thank you for listening!

We will now take some time to answer questions that have come in through the Q&A feature on Zoom.

THANK YOU

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February 29, 2024 – Resilience &
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