



Planning & Programming at IDOT
October 3, 2023



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01 Illinois Facts

- 5th in GDP
- 12.74 Million Residents
- 9.19 Million Licensed Drivers
- 621 Million transit passenger trips
- Thousands of local governments
- 3rd largest mover of freight in value and tonnage



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PLANNING

Long Range & Modal

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02 Long Range Plan

- Policy Document
- 5 Overarching Goals
- Objectives and Strategies
- Performance Metrics
- Implementation



ECONOMY	LIVABILITY	MOBILITY	RESILIENCY	STEWARDSHIP
Reduce travel time and increase productivity. Support economic development and job creation. Increase the number of jobs and income tax revenue.	Enhance the quality of life for all residents. Increase the number of jobs and income tax revenue. Support economic development and job creation.	Support all modes of transportation. Increase the number of jobs and income tax revenue. Support economic development and job creation.	Reduce the number of accidents and fatalities. Increase the number of jobs and income tax revenue. Support economic development and job creation.	Reduce greenhouse gas emissions and improve air quality. Increase the number of jobs and income tax revenue. Support economic development and job creation.

PERFORMANCE GOALS

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02 Modal Planning

- Marine Transportation Plan
- Freight Plan
 - Truck Parking
 - Bottleneck Analysis
 - Pipeline Plan
- Airport System Plan
- Active Transportation Plan
 - Bicycle Facilities Inventory
- Transit Plan
- Rail Needs Assessment





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02 Transportation Asset Management Plan

- Move from worst first
- Strategic investment
- Data Driven



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Highway Program Revenues

- Funding—direct sources of cash – COVID Issues
 - MVR
 - MFT
 - Interest Income
 - Sales Tax
- Financing – Bonds
- Federal & Local Reimbursements
 - Cash payments
 - Only received after State funds are spent (indirect payment like financing)

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Estimated state fuel tax and registration fee by annual miles driven and MPG per vehicle

	15 MPG	20 MPG	25 MPG	30 MPG	40 MPG	EV
5k miles	\$282	\$249	\$229	\$216	\$200	\$251
10k miles	\$412	\$347	\$308	\$282	\$249	\$251
15k miles	\$543	\$445	\$386	\$347	\$298	\$251
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Includes Passenger Vehicle Registration Fee of \$151/year

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Illinois Residents' MFT

Average miles driven annually	11,484
Average miles per gallon	22.3
Total Gallons per year	515.0
Federal tax on gasoline	\$0.184
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Average fuel taxes paid per person	\$296.64

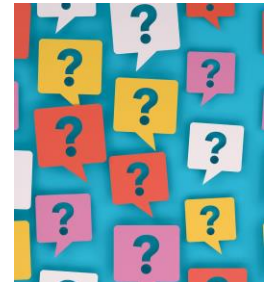
Note: does not include local MFT, where applicable

An average Illinois vehicle pays about \$300 in federal and state fuel taxes each year. Additionally, residents pay vehicle registration fees of \$151 for gas-powered vehicles and \$251 for EVs

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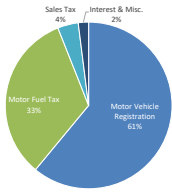
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What is IDOT's largest source of revenue?



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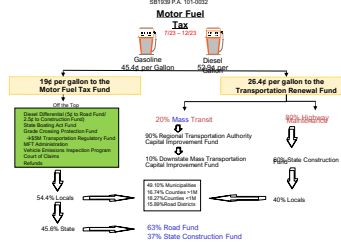
FY 2022 IDOT State Revenues



IDOT depends on three primary sources of state revenues for transportation projects
 FY 2022 total revenue for transportation projects - \$3.4 billion

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Highway User Fee Distribution Formula



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Motor Vehicle Registration

	FY 15	FY 22	% Change
Total MVR Deposits	\$1,375.6	\$2,047.2	48.82%
Road Fund	\$868.6	\$1,569.3	80.67%
Construction Fund	\$507.0	\$477.9	-5.74%

Millions of dollars

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 Registration increase that went into effect January 1, 2020 go to the Road Fund only. The distribution to the Construction Fund is still based on the registration rates prior to January 1, 2020.

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IIJA FUNDING LEVELS

ROADS & BRIDGES Over five years, Illinois would expect to receive \$11.2B (estimated) for highway development. \$1.4B (estimated) of the \$11.2B is for bridge replacement and repairs.	Illinois can compete for \$12.5B from the bridge investment program for economically significant bridges. \$16B in funding for major projects that will deliver substantial economic benefits.
PASSENGER RAIL \$66B invested nationwide for Amtrak repair, station improvement and train modernization. Will help bring passenger service to new cities and towns across the U.S.	PUBLIC TRANSPORTATION Over five years, Illinois would expect to receive \$4B to improve public transportation.
AIRPORTS Over five years, Illinois would expect to receive \$616M for airport infrastructure development.	ELECTRIC VEHICLES \$7.5B invested nationwide to build a network of EV charging across the U.S. Illinois could apply for \$2.5B in grant funding for EV charging. Over five years, Illinois would expect to receive \$149M to expand the EV charging.

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Formula – Existing Programs

- NHPP
- NHFP
- Bridge Formula
- STP-BG
- HSIP
- TAP
- CMAQ
- Metropolitan Planning
- Grade Crossing

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03 Formula New Programs

- Carbon Reduction
- PROTECT
- Electric Vehicle Charging



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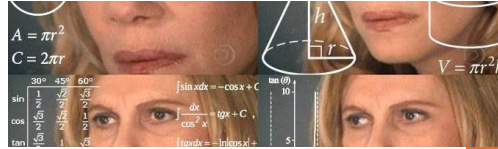
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Federal Reimbursement

- \$1 state dollar for every federal dollar
- FMIS
- Daily reimbursements



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RBI? IIJA? Bond Revenue? Cash Balances?

- Entire MYP is funded with RBI.
- If a project has federal funds it is funded with IIJA.
- IIJA provided an increase over existing formula funds.
- Revenue is resources; they result in cash balances.

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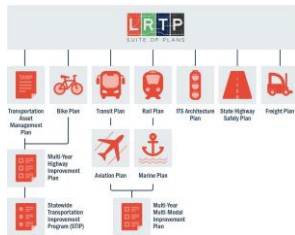
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Planning & Programming



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Programming Documents

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Multi-Modal!!!



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04 Prioritizing Projects TAMP

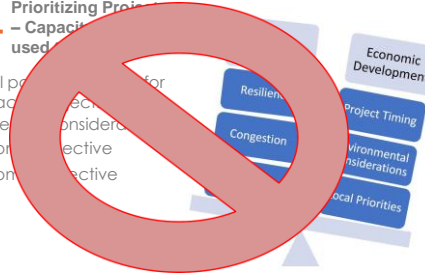
- Approximately 2/3rds of the state program is to achieve a state of acceptable condition for pavement (CRS ≥5) and bridges (NBI ≥ 5) as identified in our TAMP.
- The target is for Interstates and other National Highway System have more facilities in a state of acceptable condition compared to State Marked Route and Unmarked State Route
- TAMP decisions are made using data driven and tested methods to achieve state of acceptable condition and have our assets achieve a longer service life.
- Some projects multi-task by achieving TAMP goals and other goals such as congestion relief.



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04 Prioritizing Projects Capacity

Small projects for
 Number of
 Some
 Some



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04 Prioritizing Projects Capacity - HB 0253



	Traffic Operations/ Congestion CRITERIA: Annual Average Daily Traffic (AADT) CRITERIA: Change in Annual Vehicle Miles Traveled (AVMT) CRITERIA: Travel Time Index
	Safety CRITERIA: Crash Frequency
	Economic Development CRITERIA: National Highway Freight Network CRITERIA: Major Development CRITERIA: Intermodal Accessibility
	Environmental Impacts/ Livability CRITERIA: Environmental Justice CRITERIA: Level of Environmental Impact Analysis Required CRITERIA: Equity CRITERIA: Emissions CRITERIA: Resiliency
	Regional Rating CRITERIA: Subjective portion allowing local and regional input, to consider factors which may not be shown in the data

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Prioritizing Highway Projects

Remaining funds distributed to districts based on performance metrics

- Fatalities
- Road Lane Mile Needs
- Bridge Deck Area Needs
- Lane Miles
- Bridge Deck Area
- Annual Average Daily Traffic
- Annual Vehicle Miles
- Interstate Lane Miles
- Motor Vehicle Registrations

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04 Multi-Modal MYP

- Transit
- Rail
- Aeronautics
- Port/Waterways



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04 Transit Prioritization

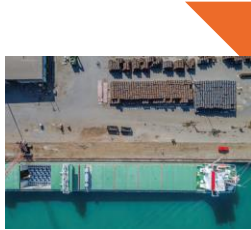
- Transit Autonomy
- RBI and Bonds
- Pay-Go
- Downstate Transit



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04 Rail & Marine Prioritization

- No pay-go funds
- Bond funding included in RBI
- Some formula federal funds



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04 Aero Prioritization

- Federal Funds
- State Funds
- Airport Funds



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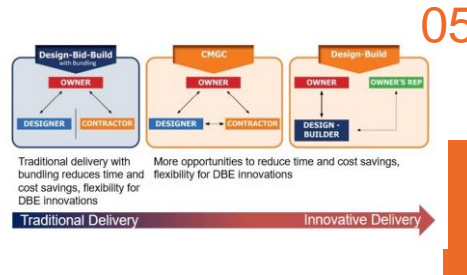
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05 Bridge Bundling

- Quantitative Analysis
- DBE encouragement
- Public Outreach



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Key Notices of Funding Opportunity (NOFO)

<https://www.transportation.gov/bipartisan-infrastructure-law/nofo-notices-funding-opportunity>

NOFO Number	NOFO Title	Agency	NOFO Date
430-2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Federal Highway Administration	9/30/2023
430-2023	Fast-Forward: State Safety for Road Construction: Disaster Response (Fast-Forward)	Federal Transit Administration	10/10/2023
520-2023	Rebuild the Nation: Transportation Safety and Security (Rebuild)	Health and Human Services, Federal Safety Administration	10/4/2023
637-2023	Metropolitan Transit System's Grant Development Work (M3) - 4th Round	Office of the Secretary	8/10/2023
700-2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Office of the Secretary, American Recovery and Reinvestment Act of 2009	9/30/2023
810-2023	Transportation Security Administration (TSA) Disaster	Federal Transit Administration	01/16/2024
830-2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Office of the Secretary	10/01/2023
September 2023	Build America Bonds	Federal Highway Administration	
September 2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Federal Safety Administration	
September 2023	Transportation	Office of the Secretary	

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IDOT outreach, identification and prioritization

Informational Circular Letters

The following Circular Letters (CL) have been issued by the Bureau of Local Roads and Streets (BLS) and are intended to inform. These letters were issued to the appropriate local agency and/or consultants who were on the BLS's mailing list. Please view the Informational CL for PDF for more information. Many of these CL contain attachments that may have been revised and/or are now available electronically through the internet. To download a file to your hard drive, click the right mouse button and choose "save target as".

DOCUMENT	DESCRIPTION
CL2023-01	Date Issued: 08-21-2023 Title: Township Bridge Program
CL2023-02	Date Issued: 08-08-2023 Title: IDOT Notice of Funding Opportunity, 2023 Illinois Safe Routes to School Program
CL2023-03	Date Issued: 07-17-2023 Title: Federal NOFO: Reconnecting Communities and Neighborhoods Program
CL2023-04	Date Issued: 07-12-2023 Title: FHWA's Rural and Tribal Assistance Pilot Program
CL2023-05	Date Issued: 07-12-2023 Title: MGA, RURA and RURAL NORTH, Federal FY 2023-2028



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IDOT Applications Submitted in 2023

NOFO Number	NOFO Title	Agency	NOFO Date	NO of Applications	NO of Proposals	NO of Applications	NO of Proposals	NO of Applications	NO of Proposals
430-2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Federal Highway Administration	9/30/2023	100	100	100	100	100	100
430-2023	Fast-Forward: State Safety for Road Construction: Disaster Response (Fast-Forward)	Federal Transit Administration	10/10/2023	100	100	100	100	100	100
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830-2023	Research and Innovation in Transportation, Urban and Suburban Transportation (RIIUC) - Quarterly	Office of the Secretary	10/01/2023	100	100	100	100	100	100

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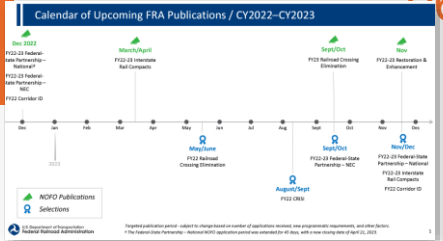
Priority Projects and the IIA



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USDOT review period and announcements



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NOW HIRING

THANK YOU

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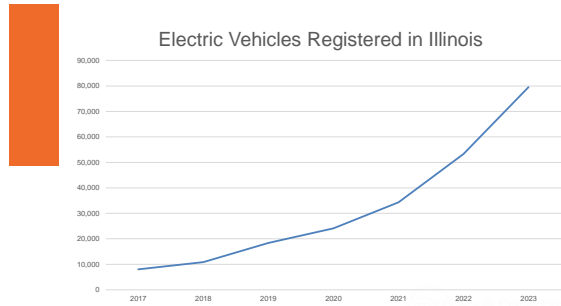
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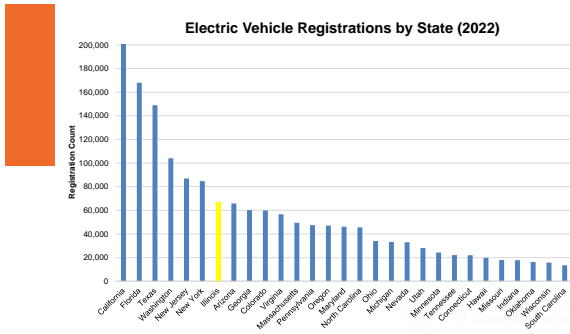
Elizabeth Irvin
Deputy Director, Office of Planning and Programming



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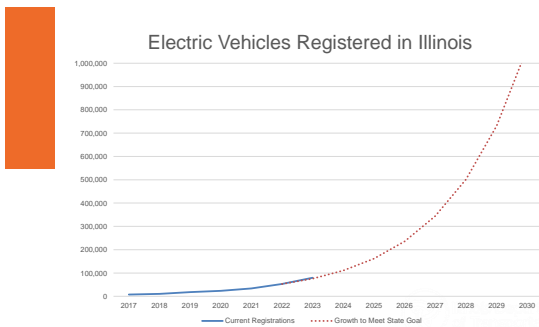
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Getting to 1 Million

- Supporting EV manufacturing
- Supporting consumer EV purchases
- Electrifying the state fleet
- Electrifying transit and freight
- Updating the electric grid
- Building out a statewide public charging network



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Electric Vehicle Coordination in Illinois

- Illinois Environmental Protection Agency (IEPA)
- Illinois Department of Transportation (IDOT)
- Illinois Commerce Commission (ICC)
- Department of Commerce and Economic Opportunity (DCEO)
- Central Management Services (CMS)
- Illinois Finance Authority (IFA)
- Illinois Power Agency (IPA)
- Illinois Department of Natural Resources (IDNR)



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Consumer Support

- Illinois EV Rebate Program:
 - Managed by IEPA
 - \$4,000 for purchase of all-electric vehicle
 - \$1,500 for all-electric motorcycle
- Round 4: November 1, 2023-January 31, 2024
- More info: ev.illinois.gov



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Manufacturing: Reimagining Energy and Vehicles (REV) Illinois Program

- Competitive incentives to expand in, or relocate to Illinois for companies that manufacture:
 - Electric Vehicles, batteries and recycling, charging infrastructure
 - Renewables (solar, wind, energy storage)
- More info: dceo.illinois.gov/businesshelp/rev.html



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Trucks, Buses, and More

- IEPA VW Settlement Funding
 - \$27 million for electric school buses
 - \$27 million for electric transit buses and passenger locomotives
 - \$16 million for Class 4-8 local freight
- IDOT Transit and Ports
 - \$12.3 million for paratransit electrification (Lo-No)
 - Port Electrification Planning



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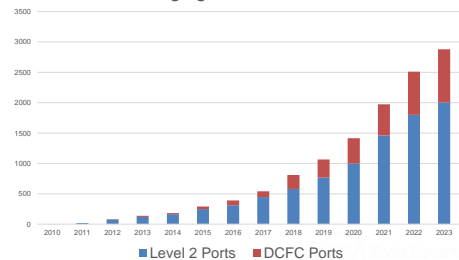
Charging Infrastructure

- Research: ~ 80% of current EV charging is at home
- Public engagement: availability of **public** charging infrastructure is a major reason for consumer anxiety about EV ownership
- Equity issues: disparities in access to home charging



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Public Charging Infrastructure in Illinois



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National Electric Vehicle Infrastructure Program

- Part of Infrastructure Investment and Jobs Act of 2021 (IIJA)
- Formula program: \$5 billion to states, \$148 million of that to IL over 5 years
- \$2.5 billion discretionary Charging and Fueling Infrastructure (CFI) program



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Illinois EPA VW Settlement Funding

- \$12.6 Million for public light-duty EV charging
- Most recent NOFO: Fall 2022
- Priority Area 1: Cook, DuPage, Kane, Lake, McHenry, and Will Counties, Oswego Township in Kendall County, and Aux Sable and Goose Lake townships in Grundy County.
- Priority Area 2: Madison, Monroe, and St. Clair counties.
- Priority Area 3: Champaign, DeKalb, LaSalle, McLean, Peoria, Sangamon, and Winnebago counties



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National Electric Vehicle Infrastructure Program

- Designed to **jumpstart private sector investment** in fast charging infrastructure
- Many specific requirements related to charger type, location, etc.
- First: build out Alternative Fuel Corridors, then: additional flexibility in remainder of state



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NEVI Formula Program Timeline

- August 1, 2022: Illinois submits NEVI plan to Federal Highways
- September 27, 2022: Federal Highway Administration approves Illinois NEVI plan
- Fall 2022: 1 stakeholder engagement meetings, IDOT publishes summary of stakeholder feedback
- February 15, 2023: FHWA releases final NEVI rulemaking
- March 14, 2023: FHWA releases call for applications for CFI Discretionary Program
- May 2023: IDOT issues RFI for feedback from the private sector
- May 2023: IDOT selects consultant to assist with NEVI program implementation. Final contract scope and negotiations ongoing.
- June 8, 2023: FHWA releases updated NEVI guidance/plan update requirements, sets plan update deadline, opens call for AFC Nominations
- June 13, 2023: CFI Applications Due
- June 21, 2023: AFC Nominations Due
- August 1, 2023: Year 2 Plan due
- Late 2023: First Solicitation



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Illinois NEVI Formula Program Phase 1: Meeting NEVI Requirements

- Every 50 miles on designated corridors
- Minimum 4 ports per station
- 150 kW per port



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Illinois NEVI Formula Program Phase 1: Meeting NEVI Requirements

- 46 locations
- Some will likely be upgrades of existing infrastructure



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After Designated Corridors are Built Out

- US Routes
- Scenic Byways
- Disadvantaged Communities
- Coverage gaps
- Additional capacity on Interstates



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What's in the NEVI Plan?

- Approximate locations of charging stations
- Stakeholder engagement activities
- Contracting and compliance with federal procurement rules
- Environmental Justice, Equity, and Justice40
- Workforce
- Program Evaluation



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Ways you can provide input

- Suggest a charging station location: <https://idot.click/drive-electric>
- Email: DOT.DriveElectric@Illinois.gov
- Attend future meetings



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NEVI Discretionary Program aka Charging and Fueling Infrastructure (CFI)

- **Community Charging and Fueling Grants**
 - Prioritizes rural areas, low and moderate income neighborhoods, communities with high rates of multifamily and low rates of private parking
- **Alternative Fuel Corridor Grants**
 - Continue buildout of alternative fuel corridors, medium and heavy duty charging



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Looking Ahead: Planning for Long-Term Impact of EVs

CEJA: Directs IDOT to study EV impacts on transportation revenue

- Understand how EV adoption will affect funding
- Estimate motor fuel tax revenue loss
- Identify and assess options for replacing lost revenue
- Collect Stakeholder input



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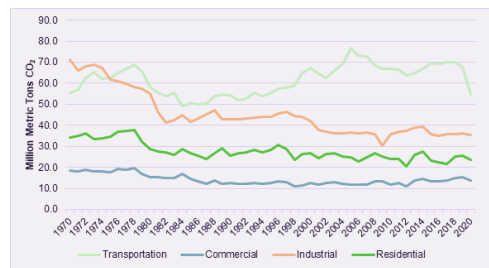
Objective Financial Sustainability

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Greenhouse Gas Emissions in Illinois (1970-2020)



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Carbon Reduction Program

Carbon Reduction Strategy: Under Development



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Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)

Funding for transportation projects that improve the resilience of the transportation system

Funding to develop a Resilience Improvement Plan (in progress)



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QUESTIONS?

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