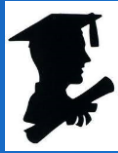


# Climate Change, Jobs & Equity: Policies and Opportunities

HOST:  
College of  
Complexes



SPEAKERS:  
Tim Milburn  
Paul Culhane

February 18, 2023



# Agenda

- Background
- Legislation, Laws, Policies, Programs and Incentives
  - Illinois, US and local
  - Focus areas: Renewables, Energy Efficiency, EVs
- Using programs
- Discussion

Sept 2021: Gov Pritzker signs the  
Climate and Equitable Jobs Act (“**CEJA**”):  
*the nation’s most equitable and comprehensive climate bill*

*Public Act 102-0662*

**Long road - tons of organizing, meetings, listening, learning (60+ community sessions)**  
**Coalition of almost 200 organizations and hundreds of volunteers statewide**  
**→Bill passed!**



# So what is in CEJA?



# COMPONENTS

## THE CLIMATE AND EQUITABLE JOBS ACT!



Jobs & Economic Justice



Inclusive Financing



Renewable Energy



Energy Efficiency



Carbon-Free Power



Utility Accountability, Grid  
Planning, and Low-income Relief



Just Transition for Fossil Fuel  
Communities



Transportation Electrification

# THE CLIMATE AND EQUITABLE JOBS ACT

## SERIOUS NUMBERS

\$82M/YR

Investment in workforce development and contractor equity programs

\$41M/YR

Investment per year in former fossil fuel communities and workers

\$380M/YR

Investment in new renewable energy

100%

Carbon-free power sector by 2045, with interim steps

50%

Renewable energy by 2040

1,000,000

Electric vehicles in Illinois by 2030

## EQUITY AT THE CENTER

40%

Of the benefits and investments in solar power, electric vehicles, and the grid must go to equity investment eligible communities and persons

# DEFINING EQUITY

## EQUITY ELIGIBLE COMMUNITIES

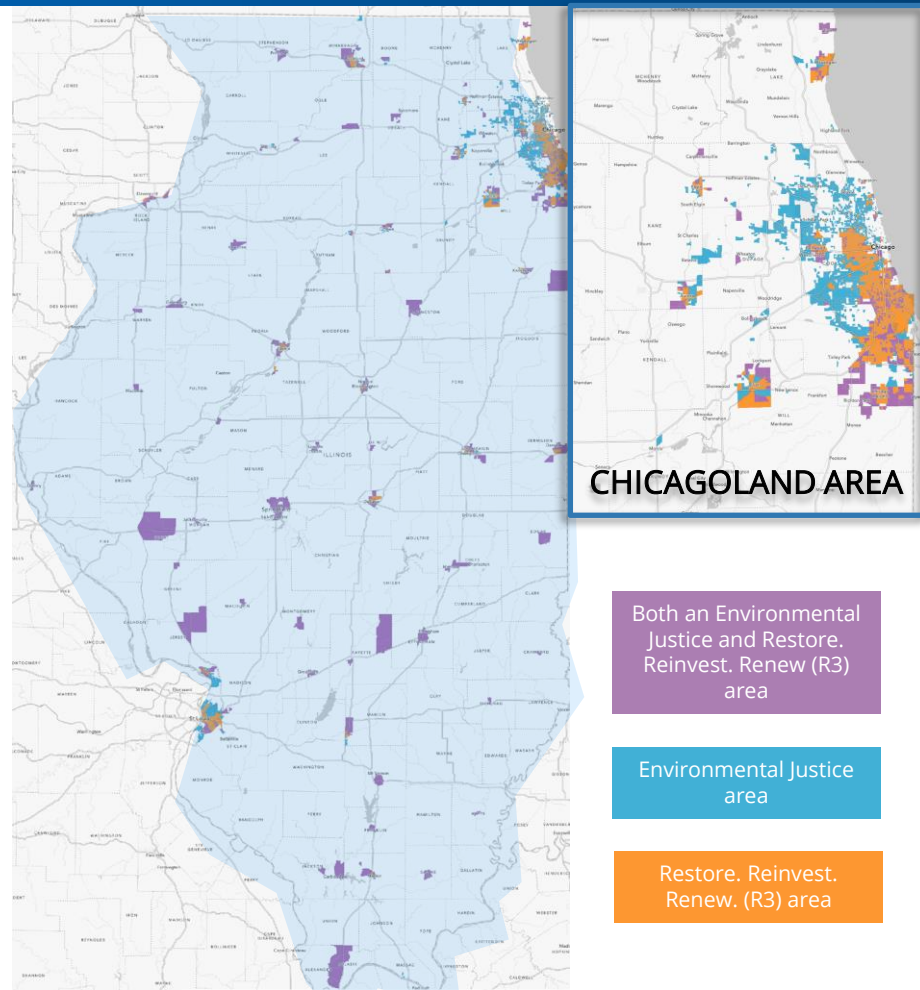
The Climate and Equitable Jobs Act supports “Equity Eligible” Persons and Communities residents of Environmental Justice or R3 areas.

### Environmental Justice Communities

*Communities that have a higher risk of exposure to pollution based on environmental and socioeconomic factors.*

### Restore. Reinvest. Renew. (R3) Areas

*Communities that have been harmed by violence, excessive incarceration, and economic disinvestment, as originally defined under Illinois’ cannabis law.*





## CEJA KEY PROGRAMS

- **Climate and Equitable Jobs Act** (CEJA)
- 960 page bill
- Green headings have climate impacts
  - Bold, underlined and italicized are areas of climate interest
  - Each program has commitments to establish metrics for climate, emissions, performance and financial metrics and means of establishing program accountability

### JUST TRANSITION/ EQUITY

#### SUPPORT DISPLACED OR UNDERSERVED COMMUNITIES AND INDIVIDUALS

- Job training and business start-up support
- Financial support for communities losing local power plants and coal mines
- **Support for local governments to create sustainability plans**

### ENERGY EFFICIENCY

#### INCREASE DEPLOYMENT OF EFFICIENT TECHNOLOGIES

- Extension of current utility EE programs to 2040
- Increase utility EE programs finding by 10%
- Consumers with >10MW demand are now back in the EE programs plus self-direct
- **Local governments can adopt more aggressive EE standards**

### RENEWABLES

#### RAPIDLY EXPAND DEPLOYMENT OF RENEWABLES/STORAGE

- 50% RPS by 2040; 100% clean energy 2050
- **Increase annual RPS funding**
- Carve outs for low income, schools, and others
- Working group to solve interconnection issues
- Large consumers can self-direct their RPS funds to directly purchase renewables
- **More value and increased volume of community solar**

### TRANSPORTATION

#### INCREASE DEPLOYMENT OF EFFICIENT TECHNOLOGIES

- **Incentives to support 1 million EV's in Illinois**
- EV expansion planning
- **EV charging station grants**
- IDOT study on impact of loss of road tax payments due to EV adoption

### POWER PLANTS

#### DECARBONIZED POWER SECTOR IN ILLINOIS

- Phase out of oil, natural gas, and coal generation by 2045
- \$770 million in new subsidies for nuclear plants
- Coal to Solar program for existing coal plants

### ETHICS

#### ENSURE TRANSPARENCY IN UTILITY POLICYMAKING

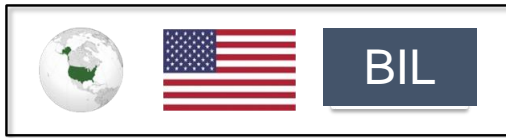
- Economic disclosures by policymakers and IPA
- Ethics reporting requirements for utilities.
- Investigation of ComEd
- Accelerated rebating of tax benefits by utilities

### UTILITY RATES

#### ADEQUATELY PLAN/SUPPORT UTILITY INVESTMENTS

- Performance based rates
- New approach to distribution system planning





## BIL KEY PROGRAMS

- **Bipartisan Infrastructure Law** (BIL), aka Infrastructure Investment and Jobs Act (IIJA) signed on 11/15/2021.
- 1600 pages
- Total cost of approximately \$1.2 trillion over 5 years
- Provides an incremental \$550 billion over baseline
- Focus on national infrastructure priorities
- Green heading have climate impacts

### TRANSPORTATION

- Reauthorized and expanded funding for Highways, Roads, and Bridges
- Permit Streamlining
- Transportation Electrification
- Climate
- Rail
- Public Transit
- Airports
- Ports

### RESILIENCY

- Wildfire resilient power transmission
- Wildfire mitigation and prevention
- Flood mitigation
- Critical infrastructure improvements

### POWER/ENERGY

- Grid resiliency
- Weatherization assistance
- Smart Cities/Smart Grid
- Low carbon alternatives for transportation
- Battery development
- Energy Efficiency Conservation Blocks
- Hydroelectric facility improvements

### ENVIRONMENTAL REMEDIATION

- Brownfield remediation
- Well remediation

### DRINKING & WASTEWATER

- Water and wastewater infrastructure projects
- Water contaminants

### WESTERN WATER STORAGE

- Wildfire risk mitigation
- Western Water infrastructure
- Forest service road and trails improvements

### BROADBAND

- Broadband deployment
- “Middle Mile” broadband system expansion
- Better cybersecurity



## IRA KEY PROGRAMS

- **Inflation Reduction Act** (IRA) signed on 8/16/2022.
- Green Areas related to Climate
- \$739 B in total revenue raised
- \$300 B return - deficit reduction
- \$369 B in Energy Security and Climate Change
- \$64 B in Affordable Care Extension

### TRANSPORTATION

- Up to \$7500 tax credits on new EVs and \$4000 for used EVs
- EV Charger tax credits
- Other tax credits – larger vehicles

### RESILIENCY

- Strengthen climate resilience
- Reduce tons of pollution (GHG, PM)

### POWER/ENERGY

- Reduce carbon emissions by 40%
- 30% Tax Credit on solar
- Rebates for resident's energy efficiency
- Rural energy programs

### JOBS

- Prevailing wage incentives
- Buy American requirements

### EQUITY

- Justice 40

### MEDICARE

- Drug price caps
- Annual caps \$2000 for senior
- ACA premiums reduced

### INCOME TAX

- Tax fairness
- Tax hike for large corporations
- Annual income over \$400k - tax increase

### INFLATION

- Deficit reduction
- Stimulate economy



## MOVING FORWARD

Other related resources  
**Justice 40**  
**Other Agencies**

### “JUSTICE 40” Initiative Executive Order

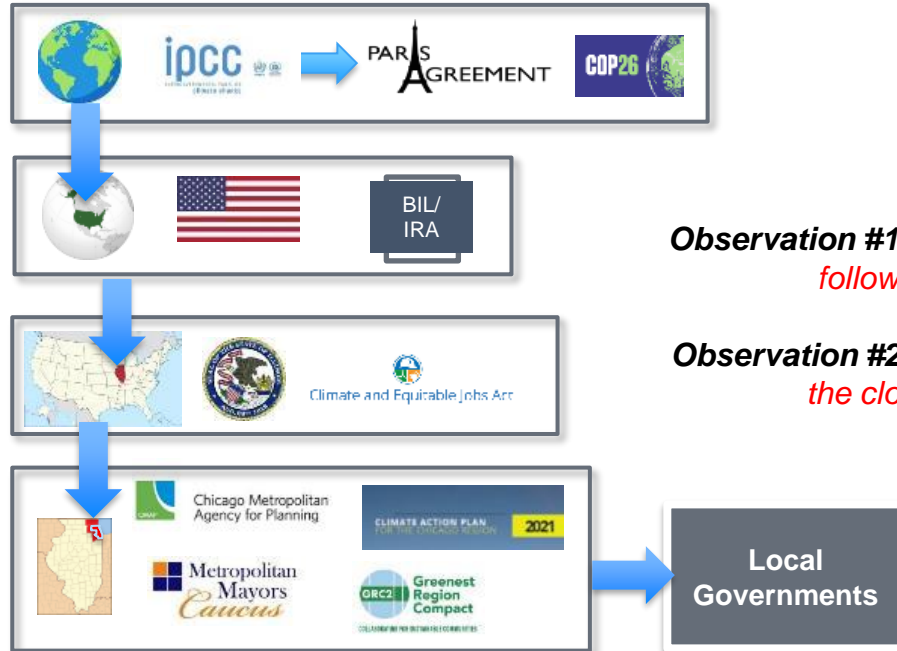
- January 2021
- **40% of overall benefits from federal investment in climate and clean energy are to be realized by disadvantaged communities.**
- Create good-paying union jobs and an equitable clean energy future
- Building modern and sustainable infrastructure
- Restore scientific integrity and evidence-based policymaking across the federal government
- Re-establishing the President’s Council of Advisors on Science and technology
- Preceded IJA, but is applicable to IJA programming
- [The Path to Achieving Justice40](#)

### Additional Information from Informed Sources (links are live)

- [American Gas Association \(AGA\)](#)
- [American Public Power Association \(APPA\)](#)
- [American Public Transportation Association \(APTA\)](#)
- [American Public Works Association \(APWA\)](#)
- [American Water Works Association \(AWWA\)](#)
- [Fiber Broadband Association \(FBA\)](#)
- [International City/County Management Association \(ICMA\)](#)
- [National Association of Counties \(NACO\)](#)
- [National Association of Regional Councils \(NARC\)](#)
- [Water Environment Federation \(WEF\)](#)
- [US Department of Transportation](#)
- [US Environmental Protection Agency.](#)

# CLIMATE CHANGE MITIGATION AND ADAPTATION

## Players & Policy Direction



**Observation #1:** *Underlying goals / strategies follow COP top to bottom*

**Observation #2:** *Programs grow in specificity the closer to final solutions*

# FOCUS AREAS: TECHNOLOGIES

## Climate and Equitable Jobs Act (CEJA)

### Focus - 3 Technology Pillars



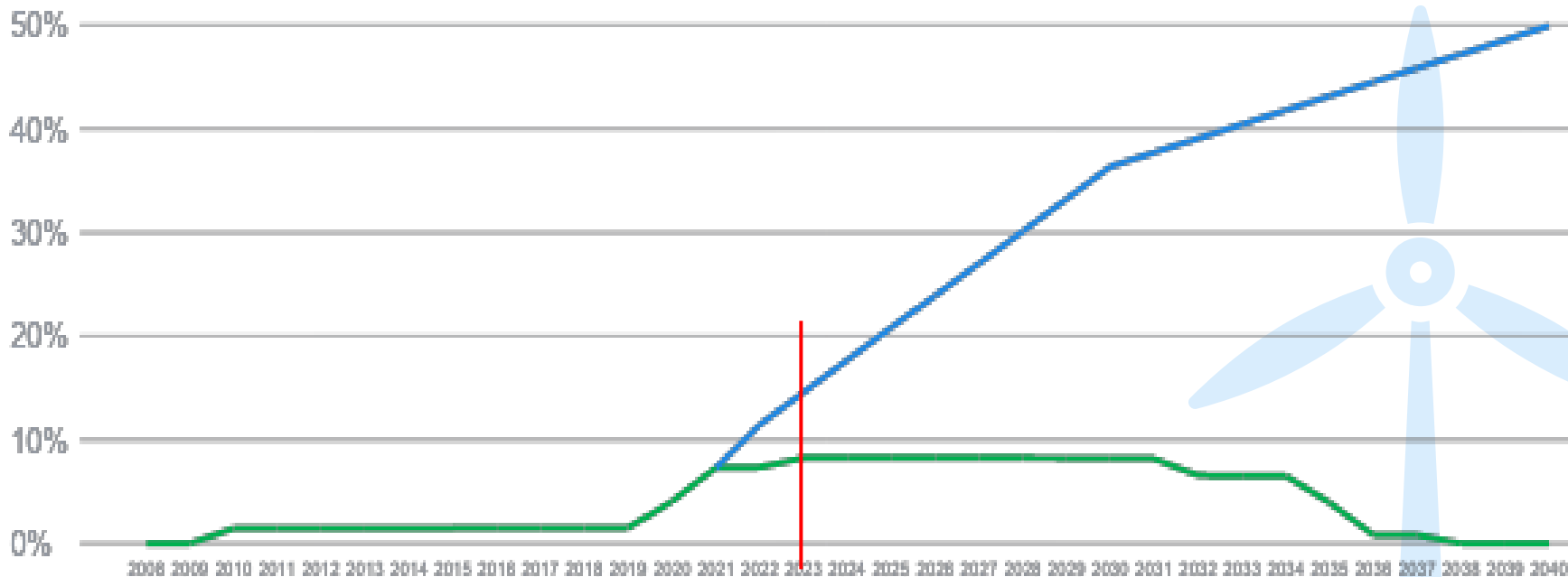
# RENEWABLE ENERGY



# RENEWABLE ENERGY: Renewable Portfolio Standard



Increases Renewable Energy to 50% of electricity in Illinois by 2040.



— Pre-CEJA Progress — Climate and Equitable Jobs Act

# ADJUSTABLE BLOCK PROGRAM: CEJA



## REFUNDED SOLAR PROGRAMS

- 20%  
158 MW/yr  
**SMALL / ROOFTOP SOLAR (< 25 kW)**
- 20%  
158 MW/yr  
**LARGE / ROOFTOP SOLAR (25 kW – 5,000 kW)**
- 30%  
238 MW/yr  
**COMMUNITY SOLAR**

## NEW SOLAR PROGRAMS

CEJA targets incentives to portions of the market that have difficulty accessing traditional solar incentives.

- 15%  
119 MW/yr  
**CARBON-FREE SCHOOLS SOLAR** NEW
- 5%  
40 MW/yr  
**COMMUNITY-DRIVEN COMMUNITY SOLAR** NEW
- 10% - 40%  
79 - 316 MW/yr  
**EQUITY ELIGIBLE CONTRACTOR SOLAR** NEW

**CARBON-FREE SCHOOLS SOLAR**  
Solar projects located at public schools, with a priority for under-resourced Tier 1 and Tier 2 schools, to support building decarbonization.

**COMMUNITY-DRIVEN COMMUNITY SOLAR**  
Community Solar projects that have substantial Solar project involvement, benefits, and ownership.

**EQUITY ELIGIBLE CONTRACTOR SOLAR**  
Solar projects led by equity eligible contractors, that can be of any adjustable block program category (small, large, community, schools, community-driven).



# ROOFTOP SOLAR / INCENTIVES SUMMARY

## Federal Investment Tax Credit

- 30% for the next ten years (includes projects installed in 2022)
- Based on project costs– includes labor costs, system installation, interconnection wiring, energy storage system, etc.

## State Solar Renewable Energy Credits (SRECs) (“Illinois Shines”)

- Based on how much electricity your system will produce over 15 years - covers 30 to 40%
- Helps IL meet its renewable energy goals!

## Utility Net Metering

- Receive credit on your electric bills for energy sent to the grid
- Credits roll over from month to month, annual true-up in April

**Property Value** – no tax assessment, but PV adds value to home



# ADJUSTABLE BLOCK PROGRAM: CEJA

## *Funding: significant Solar Renewable Energy Credits (SRECs) using Adjustable Block Program*

- 15 year's worth at time of installation (~\$1,200/kW)
- SRECs based on Illinois Power Agency's [Long Term Renewable Resources Procurement Plan](#)
- Adjustable Block Program → based on size, use case

Table 3-12: RPS Funds and Expenditures (\$ millions)<sup>166</sup>

Delivery Year	Delivery Year Starting Balance	RPS Collections	Total Funds Available	Total Expenditures	Delivery Year Ending Balance
2020-2021	\$461.63	\$225.24	\$686.87	\$282.74	\$404.13
2021-2022	\$404.13	\$464.74	\$868.87	\$331.60	\$537.27
2022-2023	\$537.27	\$587.46	\$1,124.74	\$699.14	\$425.60
2023-2024	\$425.60	\$588.99	\$1,014.58	\$571.33	\$443.25
2024-2025	\$443.25	\$587.12	\$1,030.37	\$598.77	\$431.60
2025-2026	\$431.60	\$585.11	\$1,016.71	\$572.52	\$444.19
2026-2027	\$444.19	\$585.76	\$1,029.95	\$558.05	\$471.90
2027-2028	\$471.90	\$587.51	\$1,059.41	\$606.24	\$453.17
2028-2029	\$453.17	\$590.39	\$1,043.56	\$642.08	\$401.48
2029-2030	\$401.48	\$591.12	\$992.60	\$632.38	\$360.22
2030-2031	\$360.22	\$592.98	\$953.20	\$652.03	\$301.17

Block Category/Size		Group A (Ameren Illinois, MidAmerican, Mt. Carmel, Rural Electric Cooperatives, and Municipal Utilities located in MISO)	Group B (ComEd, and Rural Electric Cooperatives and Municipal Utilities located in PJM)
Small DG	≤10 kW	\$78.51	\$82.28
	>10 - 25 kW	\$66.39	\$71.89
Large DG	>25 - 100 kW	\$57.94	\$62.23
	>100 - 200 kW	\$58.85	\$59.02
	>200 - 500 kW	\$52.35	\$53.11
	>500 - 2,000 kW	\$50.42	\$47.63
	>2,000 kW - 5,000 kW	\$40.90	\$33.31
Public Schools (20 years)	≤ 25 kW	\$74.95	\$81.16
	>25 - 100 kW	\$65.57	\$70.42
	>100 - 200 kW	\$66.40	\$66.59
	>200 - 500 kW	\$58.94	\$59.81
	>500 - 2,000 kW	\$56.73	\$53.59
Traditional Community Solar (20 years)	>2,000 kW - 5,000 kW	\$45.72	\$37.23
	≤ 25 kW	\$56.23	\$61.54
	>25 - 100 kW	\$59.19	\$64.39
	>100 - 200 kW	\$60.85	\$65.23
	>200 - 500 kW	\$57.22	\$62.09
Community-Driven Community Solar	>500 - 2,000 kW	\$51.32	\$55.50
	>2,000 kW - 5,000 kW	\$45.50	\$47.78
	≤ 25 kW	\$71.60	\$78.27
	>25 - 100 kW	\$75.34	\$82.16
	>100 - 200 kW	\$77.27	\$83.42
	>200 - 500 kW	\$72.47	\$79.19
	>500 - 2,000 kW	\$64.76	\$70.12
	>2,000 kW - 5,000 kW	\$56.85	\$59.44

# ROOFTOP SOLAR CASE STUDY



## 6.5 kW Residential Roof System

Installed Cost (\$3.20/Watt)	\$20,800
Illinois SREC-\$82.28/MWH/Year	(\$8,022)
Federal Tax Credit (30%)	(\$6,240)
<b>Net Cost</b>	<b>\$6,538</b>

### Checklist

- ✓ South facing roof is best, East and West also good
- ✓ Make sure home is energy efficient
- ✓ Consider condition of roof
- ✓ Get at least 3 quotes

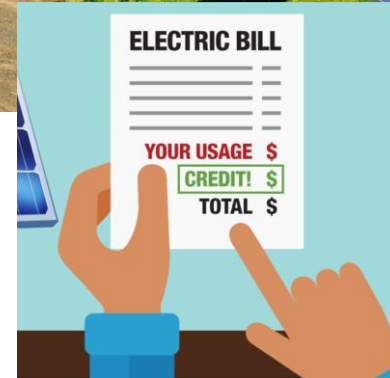
**Payback in 5-8 years  
with net metering!!**

\*\*Go to <https://illinoissolar.org/residential-installers/> to find installers in your area  
Installers will provide options and investment profiles



# COMMUNITY SOLAR

- An option for people who can't install solar on their own property
- All offers guarantee savings
- Subscription size based off your usage
- Each month your subscription generates solar energy
- You will now pay two bills
  - Your existing electric bill
  - A monthly bill to your community solar company
- ***Typical savings: 10 to 20% on total bill***



Visit [www.SolarInTheCommunity.com](http://www.SolarInTheCommunity.com) to learn more!



## Without Community Solar

### Electric Bill

 SUPPLY	<b>\$56</b>
800 kWh x 0.07	\$56
 DELIVERY	<b>\$45</b>
TAXES & FEES	<b>\$8</b>
Total	<b>\$109</b>

**Total Owed: \$109**

## With Community Solar

### Electric Bill

 SUPPLY	<b>\$6</b>
800 kWh x 0.07	\$56
Solar Credits 714 kWh x 0.07 - \$50	
 DELIVERY	<b>\$45</b>
TAXES & FEES	<b>\$8</b>
Total	<b>\$59</b>

**Total Owed: \$99**  
**Total Savings: \$10**

### Solar Provider Bill

Solar Credits	<b>\$50</b>
20% Discount	<b>-10</b>
Total Due	<b>\$40</b>

**Note that this is an EXAMPLE  
and savings will vary!**

Created by  
Citizens Utility  
Board



# ILLINOIS SOLAR FOR ALL

- Illinois' low-income solar program
- CEJA increased budget from \$10 million to \$50 million
- Subprograms: Rooftop, Community Solar, and Nonprofit/Public Facilities
- Any ongoing cost of participation in the ILSFA Program must be less than half the modeled savings
- Residential households at 80% or lower than Area Median Income
  - \$83,350 for a family for 4 in the Chicago area – varies by household size and region
- [IllinoisSFA.com](http://IllinoisSFA.com), 888-970-IFSA



**Illinois Solar for All**



Credit: IL Solar for All

# GROW SOLAR CHICAGOLAND

## How does a Solar Group Buy work?

- CUB hosts free “Solar Power Hours” to educate communities about the benefits & affordability of Solar PV.
- MREA manages RFP process to competitively select a single solar installer.
- Interested participants sign up to further evaluate Solar PV for their home or business.
- Participants pool their buying power to secure significant discounts that make installing solar more affordable.
- Not active, typically offered in Spring



Sheila went solar through a Group Buy in Metro East.

<https://www.growsolar.org/chicagoland/>

# RENEWABLE ENERGY: FEDERAL: BIL BIPARTISAN INFRASTRUCTURE LAW

- *Focus: large scale solutions to improve energy and other infrastructure.*
- \$369 Billion towards climate change – grants, financing
- Grid investments – power transmission and distribution
- Production Tax Credits increased – targeting commercial scale renewables
- Workforce development programs
- Aspirational Goals
  - Greenhouse Gas emissions reduction by 40% - by 2030
  - Justice 40 Programs –equity –opportunities, jobs and economic growth





# RENEWABLE ENERGY: FEDERAL:IRA

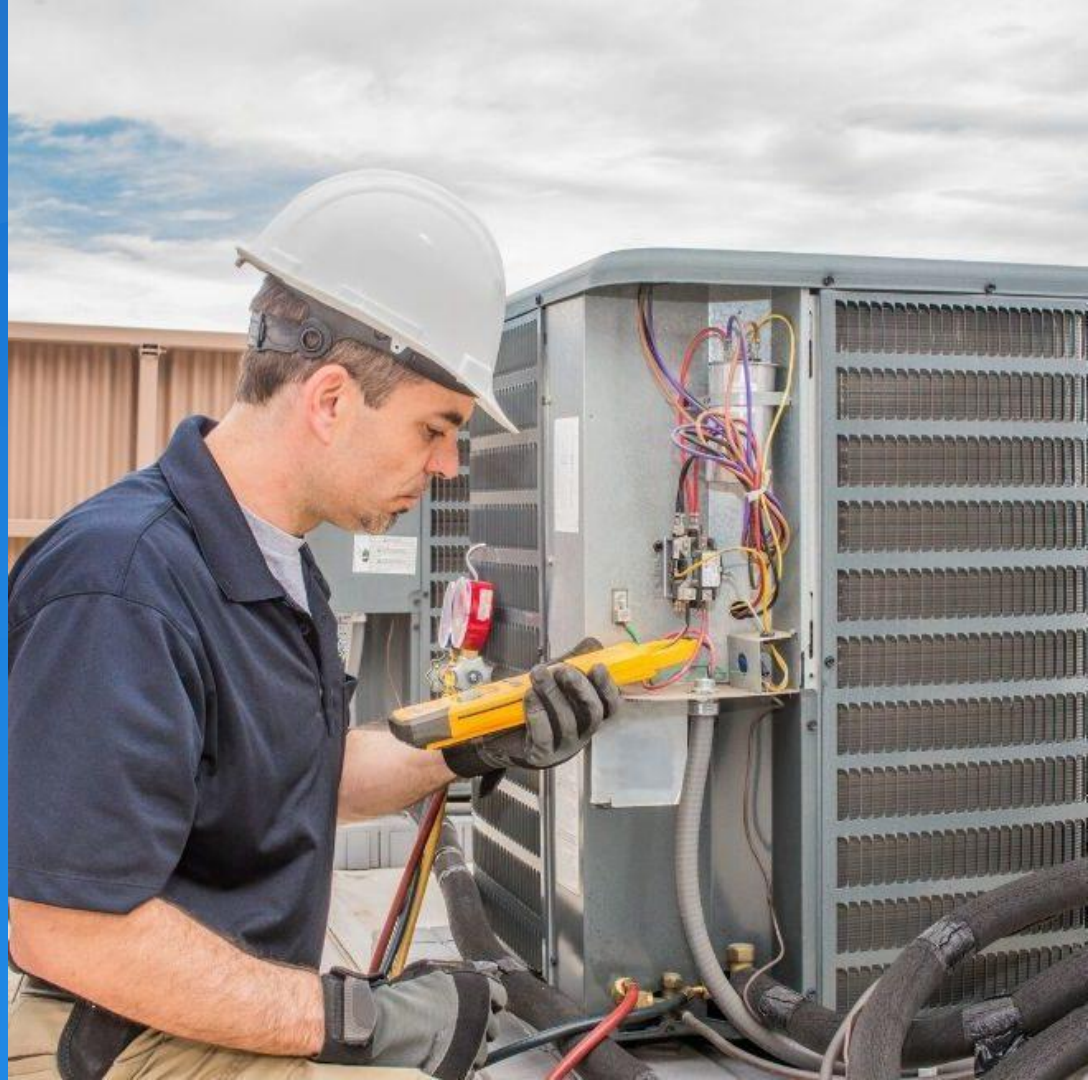
## INFLATION REDUCTION ACT

*Focus: [federal income tax credits](#) to stimulate clean energy at all levels*

Federal Income Tax Credits (ITC) thru 2033

- 30% Home solar - active
- 30% Energy storage systems (min 5 kWh) – starts in 2025. Section 25D(a)(6)
  - 10% additional for Buy America
  - 10% additional for “energy community” (coal displacement related)
- Prevailing wage and apprenticeship requirements may apply (non-residential)
- Source: [IRS Energy Efficiency credits](#) – and [IRS Procedures](#)
- Refunds for tax-exempt entities – equivalencies now being established

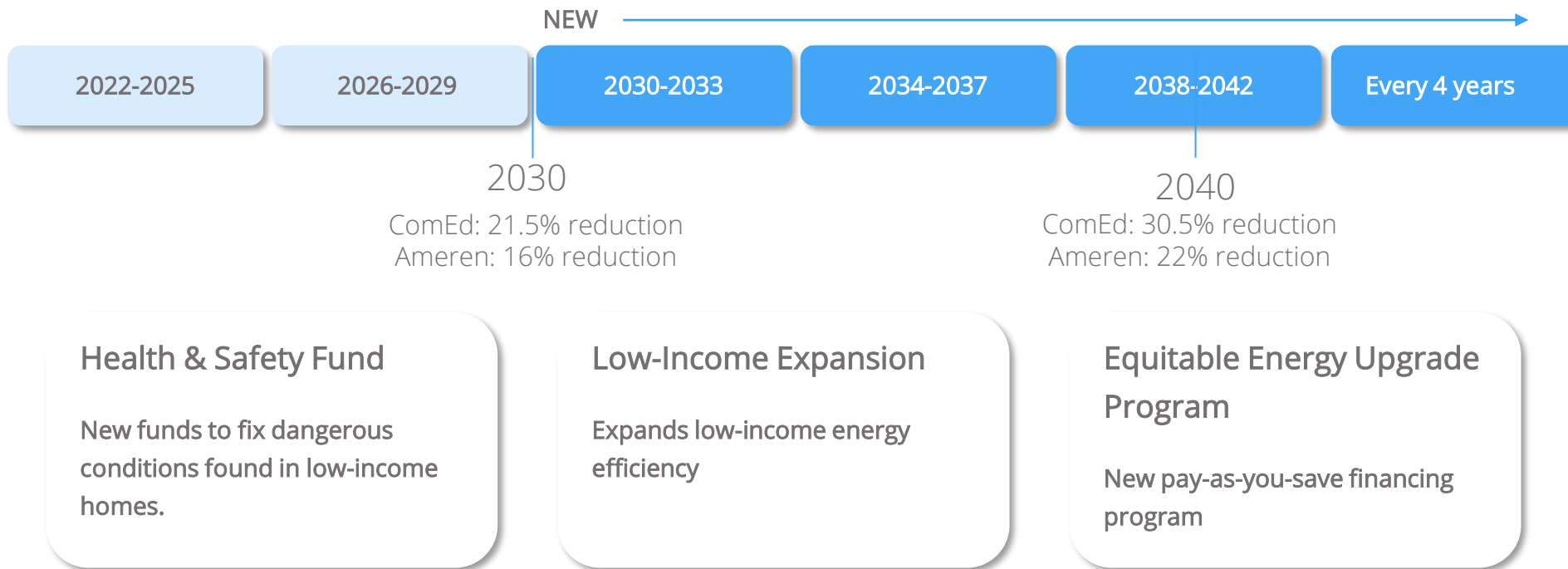
# ENERGY EFFICIENCY



# ENERGY EFFICIENCY



## Expands Energy Efficiency



# ENERGY EFFICIENCY

## Home Energy Assessment

1-855-433-2700



### Free



Programmable thermostat



WaterSense® certified showerheads



WaterSense certified faucet aerators



Pipe insulation

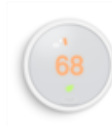


ENERGY STAR® certified LEDs

### Discounted Price



ENERGY STAR® certified Google Nest Learning smart thermostats



ENERGY STAR certified Google Nest E smart thermostats



ENERGY STAR certified Emerson Sensi™ smart thermostats



Advanced power strips

ComEd Energy Savings Programs and ComEd Marketplace



# ENERGY USAGE REBATES

- Central AC Cycling
  - Earn \$20-40 dollars in bill credits from May 1 – October 31
  - The temperature will not change more than a few degrees
  - **[ComEd.com/ACCycling](http://ComEd.com/ACCycling)**
- Hourly Pricing
  - Energy rate changes every hour
  - You can manage your costs by running appliances like the dishwasher when the price of electricity is lower, such as nights and weekends.
  - **[ComEd.com/hp](http://ComEd.com/hp)**
- Peak Time Savings
  - The utility will alert you in advance of a “high usage period”
  - Reduce your usage during those hours and earn a credit for every kWh you save
- [ComEd Rate programs](#)



# ENERGY EFFICIENCY: FEDERAL:IRA

## INFLATION REDUCTION ACT

### ITC IRS Energy Efficiency Tax credits – and IRS Procedures

- Energy-efficient exterior windows, doors and skylights
- Roofs (metal and asphalt) and roof products
- Insulation
- Energy-efficient heating and air conditioning systems
- Water heaters (natural gas, propane or oil)
- Biomass stoves
- Etc.



# TRANSPORTATION ELECTRIFICATION



# TRANSPORTATION ELECTRIFICATION



Solar and EV Charging



**This can be you!  
Power your  
EV with the Sun!**

**Incentives:  
Solar  
EVs  
EV Charging  
Energy Storage  
More coming**



# ELECTRIC VEHICLES & CHARGING

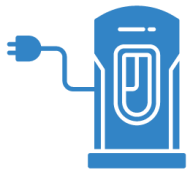


PLAN: 1 million electric vehicles on the road in Illinois by 2030

---



Authorizes the state to create a **\$4,000/vehicle** rebate for purchasing an electric vehicle.



Provides a rebate to cover *up to* **80% of the cost** of installing charging stations, w/ focus on equity investments in eligible communities.







*Beneficial Electrification* plans to support electrification, manage grid impacts of charging and integration with renewables/ storage.

**EV @  
IEPA**

Creates an EV Coordinator at IEPA to oversee EV investments and to plan and oversee EV rebates and charging station rebates.


# ELECTRIC VEHICLES: CEJA PROGRAMS



<a href="#"><u><b>EV Rebates</b></u></a>	\$4,000 per Battery EV Active 7/1/2022	
<a href="#"><u><b>EV Charging Rebates</b></u></a>	Up to 80% of make-ready infrastructure Active Soon	
<a href="#"><u><b>Beneficial Electrification</b></u></a>	Integrate EV charging with renewables, energy storage, Vehicle to "X". Grid load optimization and programs to reduce consumer costs. Considers equity. Plans to be announced Mar 2023	
<a href="#"><u><b>Reimagining Electric Vehicle Act</b></u></a>	Incentive program to encourage EV and Charging infrastructure supply chain to build in Illinois. Active program.	

# ELECTRIC VEHICLES: FEDERAL: BIL BIPARTISAN INFRASTRUCTURE LAW






<p><a href="#"><u>National Electric Vehicle Infrastructure ("NEVI")</u></a> <a href="#"><u>(\$5 BB total/ \$148 MM IL)</u></a></p>	<p>Fast Charging every 50 miles on interstates. 80% incentive/20% matching. Start 2023</p>	
<p><a href="#"><u>Private-Public Charging &amp; Refueling Program</u></a> <a href="#"><u>(\$2.5 BB total)</u></a></p>	<p>Broader grant programs and incentives for EV charging and CNG Refueling. Start 2023?</p>	

# ELECTRIC VEHICLES: FEDERAL : BIL

## Bipartisan Infrastructure Law



<a href="#"><u>Clean School Buses</u></a>	State and transit agency funding for buses and facilities	
<a href="#"><u>Clean Ferries and Ports</u></a>	Improve ferry service, including clean ferries, airports, locomotives: Vehicles and infrastructure	
<a href="#"><u>Bus Facilities</u></a>	Transit bus and bus facility modernization, include e-buses, charging	



## INFLATION REDUCTION ACT

### Tax Credits

- [Clean Vehicle Credit](#) -- Up to \$7,500 credit
  - Amount less if battery / vehicle not US made
  - Caps on income and EV price
  - 200,000 cap per manufacturer *removed* through 2032
- [Used EVs Credit](#) - 30% of sales price or \$4,000 credit, whichever is less
- Credit for [Residential EV charging stations](#)
- [IRS FAQs and links related to new, previously owned and qualified commercial clean vehicle credits](#)

***Refunds for tax-exempt entities – equivalencies now being established***



# ELECTRIC VEHICLES: RESOURCES



[CUB EV Buyer's Handbook](#)

[ComEd EV Smart Resources](#)

[EV Readiness Decision Guide for Local Governments](#)

[Alt Fuel Data Center Station Locator](#)

[Plugshare Station Locator](#)

[Incentives and Laws](#)

Help when shopping for EVs & EV Chargers

Help local governments make decisions related to managing the safety, codes, policies, technology selections, project plans, incentives and their own investments related to Electric Vehicles (EVs) and supporting infrastructure

GPS Maps and Information to find EV Chargers

Listing of Federal and State Incentive and Laws





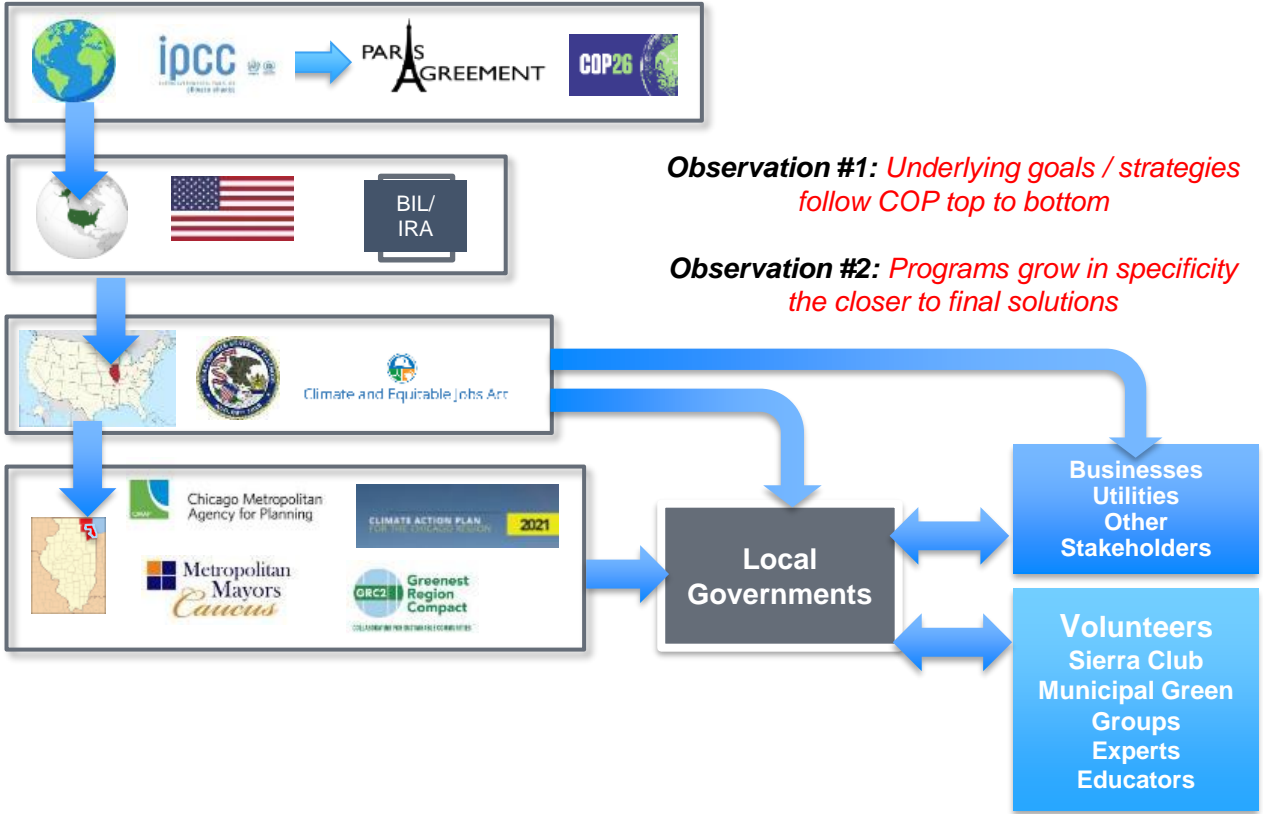
## Metropolitan Mayors Caucus



- [Greenest Region Compact \(GRC\)](#) - Sustainability
- [Climate Action Plan - Chicagoland](#)
- [SolSmart](#)
- [EV Readiness](#)
- [VW Trust Fund – \\$15B total, \\$108 MM to Illinois](#)



# GLOBAL TO LOCAL OUTLOOK: CLIMATE





# Now that the legislation is active- what to do?

**SOLAR: Illinois Solar for All:** <https://www.illinoissfa.com/>

- **Rooftop: contact installer** <https://illinoissolar.org/residential-installers>

- **SRECs**

<https://www.comed.com/SmartEnergy/MyGreenPowerConnection/Pages/SolarIncentivesCredits.aspx>

- **Group Buy: CUB:** <https://www.growsolar.org/chicagoland/>

- **Community Solar : CUB:** <https://www.citizensutilityboard.org/solar-in-the-community/>

- **Community Driven Community Solar: stay tuned**

**SOLAR: Federal**

- **Investment Tax Credits** <https://www.energy.gov/eere/solar/homeowners-guide-federal-tax-credit-solar-photovoltaics>



Illinois  
Clean Jobs  
Coalition

# Now that the legislation is active- what to do?

## ENERGY EFFICIENCY:

- **Local: Contact ComEd** [Home Energy Savings](#)
- **Federal Tax Credit:** [IRS Energy Efficiency Tax credits](#)

## TRANSPORTATION ELECTRIFICATION

- **EV Rebates** [IEPA EV Rebate Program](#)
- **EV charger rebates – TBD**



**Thank You**  
**Questions?**



Illinois  
**Clean Jobs**  
Coalition

Extras

# Now that the legislation is active- what to do?

## GAIN COMMITMENTS FROM YOUR MUNICIPALITIES:

- Greenest Region Compact and Climate Action Plan

## GROW AWARENESS - LEARN AND BE READY:

- Study and plan to leverage range of incentives & programs to present to municipality and citizens

## PLAN:

- Identify opportunities and act when available

## ACT:





- When programs available, take advantage.
  - Leverage Available Programs
    - EV Readiness
    - SolSmart
  - Leverage Incentives
  - Update policies
  - Consider regional partnerships

## EDUCATE:

- Support local training programs for clean energy jobs
- Help communicate programs and incentives to staff, elected officials, residents, businesses, other organizations







# CEJA (Illinois) EV Incentives

MEASURE	RESPONSIBLE ENTITIES	DESCRIPTION	TIMING	ELIGIBLE APPLICANTS	QR Code
<b>Climate and Equitable Jobs Act (CEJA)</b>					
<a href="#">Climate and Equitable Jobs Act (CEJA)</a>	Various	CEJA Full Legislative Text.	2022 and beyond	All	
<a href="#">EV Rebates: Illinois EPA Program</a>	IL EPA	CEJA Program IEPA Program: \$4,000 per Battery EV as defined in link. \$2,000 after 2026, \$1500 after 2028 In CEJA: refer to pp 192, Sec. 45 (a)(1) Active 7/1/2022	Active 7/1/2020	Passenger Battery EV Purchasers	
<a href="#">EV Charging Rebates: Illinois EPA Program</a>	IL EPA	CEJA Program "Up to" 80% of make ready infrastructure Active 2023. IEPA site to provide details once announced at link.	Likely Q12023	Likely to focus on Public Charging. L2 & DCFC	
<a href="#">Beneficial Electrification</a>	CEJA/ICC/ Utilities	CEJA Program Integrate EV charging with renewables, energy storage, Vehicle to "X". Grid load optimization and programs to reduce consumer costs. Considers equity. Active 2023. May integrate utility paying for EVCI and recovering investment over time through special EV tariffs, combined with time of use rates. Ref. pp 192, 20 ILCS 627/45, Sec. 45.	2023 launch	Private & Public organizations, MFDs likely included. May be tied to rate class. L2 & DCFC	







# IRA EV Incentives

## Inflation Reduction Act

MEASURE	DESCRIPTION	ELIGIBLE APPLICANTS	TECHNOLOGY	QR Code
<b>EVSE and EVCI Incentives</b>				
<a href="#">IRA: Personal: Alternative Fuel Vehicle Refueling Property Tax Credit</a>	<b>Tax credit</b> for residential, multifamily <b>Level 2 EV charging</b> . 30% TIC up to \$1,000 tax credit 1/1/2023 to 12/31/2032	Residential , Multi-Family Dwelling, Income qualified Residential: Level 2 EVCI	Level 2	
<a href="#">IRA: Corporate: Alternative Fuel Vehicle Refueling Property Tax Credit</a>	<b>Tax Credits</b> for Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government <b>Level 2 &amp; DCFC EV charging</b> . \$100,000 tax credit 1/1/2023 to 12/31/2032	Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government,	L2, DCFC	
<b>EV Incentives</b>				
<a href="#">IRA: Previously Owned Clean Vehicle Tax Credits</a>	UP to \$4,000 for purchase o BEV or FHEV. Purchase price <\$25,000. Gross annual income constraints	Residential, Multifamily Residential, Low Income Residential	Passenger BEVs	
<a href="#">IRA: Clean Vehicle Credit ("30D" Credit)</a>	Up to \$7500, Buy America requirements 1/1/2023 to 12/31/2032	Commercial, Industrial, Residential, Agricultural	Passenger Plug in EVs	

# BIL EV Incentives

## Bipartisan Infrastructure Law (BIL) aka Infrastructure Investment and Jobs Act (IIJA)

MEASURE	DESCRIPTION	ELIGIBLE APPLICANTS	TECHNOLOGIES	
<a href="#">National Electric Vehicle Infrastructure ("NEVI")</a> <a href="#">(\$5 BB total/ \$148 MM IL)</a>	<b>Fast Charging, Four 150 kW DCFC every 50 miles on interstates. 80% Total Installed Cost incentive/20% matching. Start 2023</b>	Corridor refueling investors and developers, community groups	Sets of four 150 kW EVSEs plus supporting EV charging Infrastructure	
<a href="#">Private-Public Charging &amp; Refueling Program</a> <a href="#">(\$2.5 BB total)</a>	<b>Broader grant programs and incentives for EV charging and CNG Refueling. Focus on communities and rural area and larger EVs. Start 2023?</b>	Communities, including rural areas	EV Charging Infrastructure, TBD	
<a href="#">Clean Bus Grants (\$250 MM)</a>	<b>Low or No Emission Transit Vehicles &amp; Facilities</b>	Buses, ports, rail agencies	E-buses and EV charging infrastructure	
<a href="#">Clean School Buses (\$4 BB over 5 years)</a>	<b>State and transit agency funding for buses and facilities</b>	<b>State and transit agency funding for buses and facilities</b>	E-buses and EV charging infrastructure	
<a href="#">Clean Ferries and Ports</a>	<b>State and transit agency funding for buses and facilities</b>	Operation for marine ports, railyards, container ports, ferries	E-trucks and EV charging infrastructure	
<a href="#">Bus and Bus Facilities Grants Program</a>	Bus and bus facility modernization, include e-buses	Fixed-route bus operators, States (including territories and Washington D.C.) or local governmental entities that operate fixed route bus service, and Indian tribes.	Federal resources available to states and direct recipients to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities, including technological changes or innovations to modify low or no emission vehicles or facilities. Funding is provided through formula allocations and competitive grants.	





## Greenest Region Compact (GRC)

- Sustainability strategies and action focused for municipalities
- Starts with **Resolution**
- Provides **framework** for planning and managing sustainability programs – over 1000 ideas to choose from in 10 areas
  - 49 high-level goals
  - 1100 Actions - “shopping list” for sustainability planning
- Aligns with regional, state, nation, global goals
- Leverage incentives
- Provide resources
- Educates municipalities on sustainability opportunities

		OBJECTIVE			
		> STRATEGY			
		+ ADVANCED STRATEGY			
		GOAL			
1	Local Programs				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

144 municipalities  
 4 counties  
 10 COGS  
 6.2 million people



Mobility

Municipal Operations

Sustainable Communities

Water

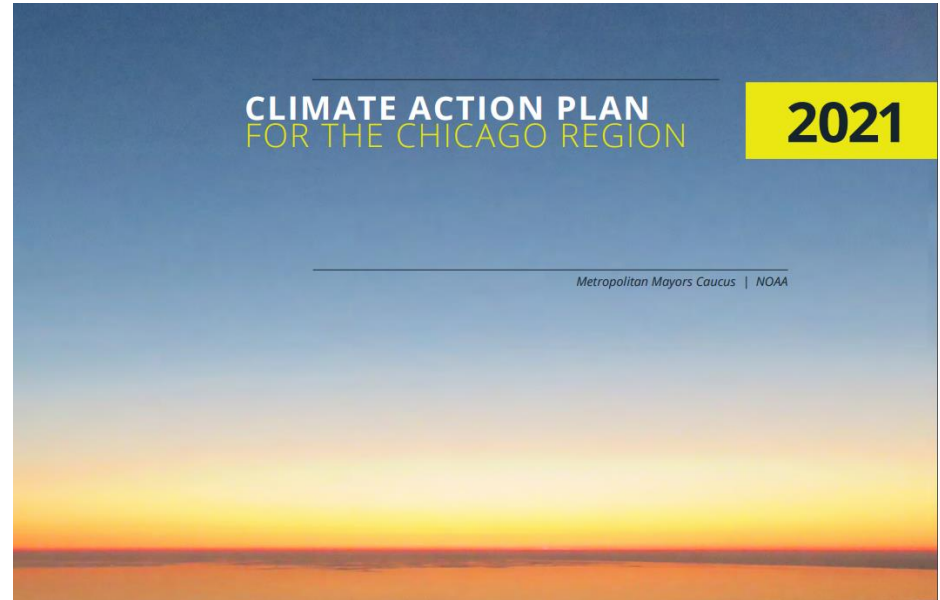
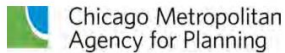
Waste & Recycling

The Greenest Region Compact has 10 sustainability categories.



# Chicago Region Climate Action Plan

- [Climate Action Plan \(Full\)](#)



# Volkswagen Consent Decree: “VW Fund”

- \$15 Billion US
  - Offset unmeasured emissions from VW’s
  - In priority areas
  - [Illinois \\$108 million](#)
    - Light Duty ZEV Supply Equipment Projects: Up to 15 percent
    - All-Electric School Bus Projects: Up to 32 percent
    - All-Electric Public Transportation Projects: Up to 32 percent
    - Class 4-8 local freight trucks: Up to 19 percent

*Illinois EPA VW Plan*

US EPA Fact Sheets: <https://www.epa.gov/enforcement/volkswagen-clean-air-act-civil-settlement>

# Other Regional Muni Programs: SolSmart

- Municipal program to assist communities in deploying rooftop solar
  - Streamline processes
  - Solar webpage for each community
  - Scoring system
  - Recognition system
  - 35 Chicago Communities are SolSmart

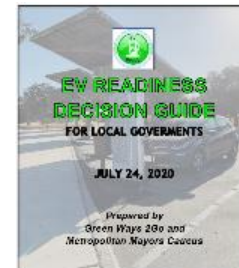


# Regional Muni Programs: EV Readiness



- Municipal program to assist communities as we electrify transportation
  - Streamline processes, leverage best practices, education for EVs, Charging and infrastructure
  - Program Launched Jan 2022
  - 16 communities in initial cohort

EV READINESS SUMMARY ACTIONS CHECKLIST
Commit to EV Readiness
Zoning and Planning
Permitting
Inspection and Safety
Parking and Access
New Construction
EV Owner Rights
Municipal Fleets
Utility Engagement
Community Engagement
Market Development and Finance



# Where What Happens Hierarchy

