

# Who are we?



Respiratory Health Association has been a local public health leader since 1906. Today we address asthma, COPD, lung cancer, tobacco control and air quality with a comprehensive approach.

**Mission: to prevent lung disease, promote clean air and help people live better through education, research, and policy change.**



Steve, Karl & Their Building

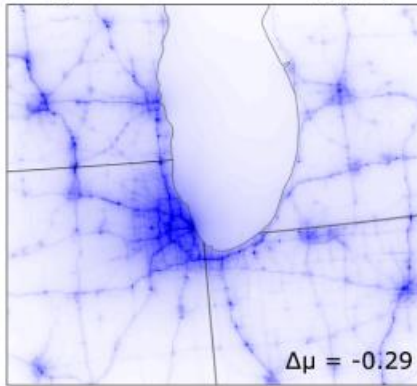


# Why Electrification Benefits Health

**Northwestern University study 2023:  
If 30% of vehicle's were zero-emission...  
It would annually save more than 1,000  
lives and over \$10 billion annually**

**Area that still fails to meet EPA 'smog'  
health standards and missed deadline twice  
since 2018.**

**Expected Spring 2024 same area will also  
be proposed as not meeting 'soot'  
standards**



# FEDERAL:

## National Electric Vehicle Infrastructure

idea: fast chargers every 50 miles along interstates nationally

**\$5 billion/5 years (2021 BIL)**



## ILLINOIS

- Gets \$148m in formula funding
- State got authority to spend 4/5 years of funding (\$117m)
- Trump admin paused, only \$25m in current signed contracts happening now
- Unclear future path. US DOT might issue 'updated guidance' in Spring/Summer?
- Must spend on highways first then can spend rest on community charging

# FEDERAL: Charging and Fueling Infrastructure Grant Program

**\$2.5 billion/5 years (BIL)**



## ILLINOIS

- ***\$100m IEPA for e-truck charging ?***
- ***\$14m Metro Mayors Caucus ?***
- ***\$15m City of Chicago ?***
- ***\$7m IDOT (update old chargers)***
- ***\$15m IL Finance Authority ?***
- ***Unclear if/when we will be able to use any of this under Trump Administration.***

# FEDERAL: Tax Credits For Purchasing EV

## 2023-32 (IRA)



## ILLINOIS

- **Up to \$7500 new/\$4000 used**
- **As of 1/1/24 tax credit can be point of sale rebates**
  - *Dealers buy tax credit.*
  - *Buyer reduces vehicle (and loan) costs*
- **Unclear if/when this will be changed/eliminated**

# FEDERAL: Home EV Charger Tax Credits

2023-32 (IRA)



[Resphealth.org](https://www.resphealth.org)

## ILLINOIS

- **30% federal tax credit up to \$1000 if you install EV charger at your residence**
- **Unclear if/when this will be changed/eliminated**

# ILLINOIS

## VW Settlement EV Funding

- **\$12.6m EV public chargers – all done**
- **Funding for public transit/electric transit buses/ electric school buses**
- **Recent \$58m to Pace and CTA for 57 more e-buses**
- **NEW 3/19/25 - \$20m for electric trucks**
- **Small amount for E-school buses too over several years**



# ILLINOIS

## 2021 Clean & Equitable Jobs Act

- **\$4000 EV Rebate, new/used**
  - Low income prioritized, first paid
  - \$14m in 2024-25 (\$46m since 2023)
  - Funding dependent on state appropriation
- **\$70m for public EV chargers**
  - \$60m spent, \$10m to be spent
- **Beneficial Electrification Plans**
  - E.g. ComEd \$231m 2023-25
  - Mostly for government/business
  - 2025 home EV charger rebate
  - BE2.0 plans 2026-28 to be approved 3/27





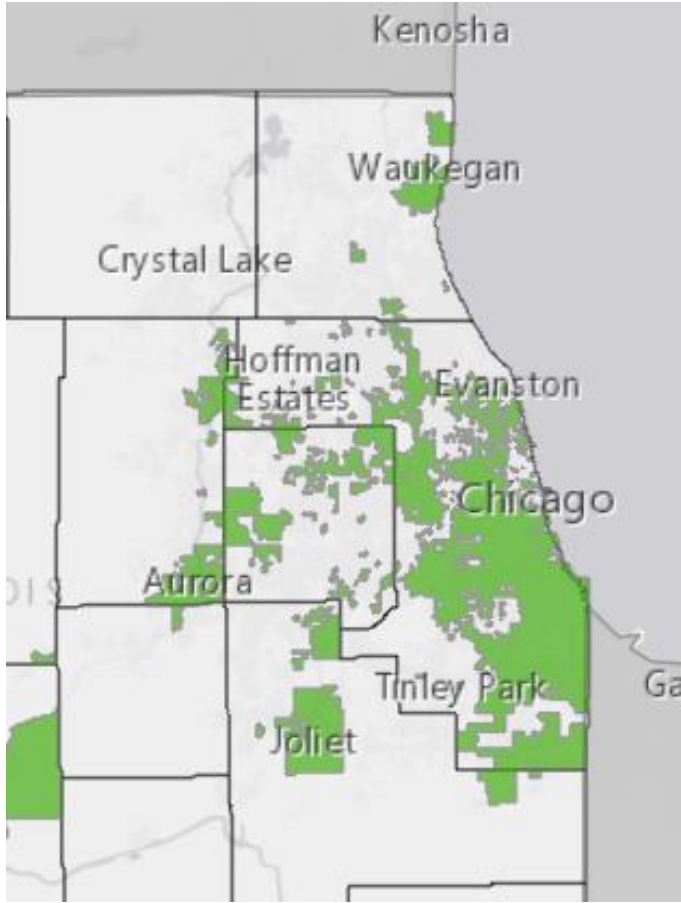
# ILLINOIS

## Clean & Equitable Jobs Act

- **ComEd BE Plan 2025 has \$9m for home EV rebates**
  - \$3750 Low-income/ EIEC
  - \$1000 Non-low income/EIEC
  - 50% of funding for LI/EIEC

### Also

Business/government rebates for vehicles LD/MD/HD and charging infrastructure 50% higher in LI/EIEC areas



# ILLINOIS

## Publicly-funded EV charging projects

- DC 'fast charge' and level 2
- Funded by CEJA/VW/NEVI
  - Green – in operation
  - Red – under contract or under construction



# OTHER EVs (not cars)

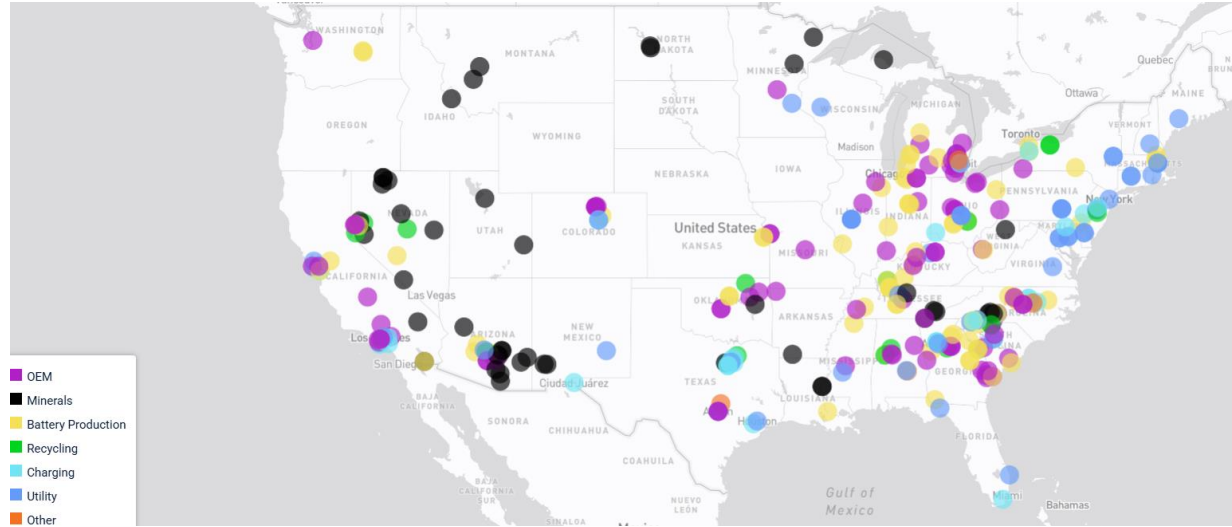
## Many other EV projects in IL

- **USEPA Clean Ports \$95m (1/2 Port of Chicago electrification work)**
- **USEPA Carbon Pollution Reduction Grant – Clean Trucks \$115m**
- **EPA Clean School Bus grant \$20m CPS for 50 E-school buses + contractors also getting \$.**
  - IL: 580 e-buses/65 school districts



# What now with EV industry?

- \$223 billion has already been allocated to specific U.S. EV manufacturing facilities and initiatives
- EV sales in 2024 (1,301,411). +7.3% over 2023
- 8.1% of total sales. About 68 models
- Illinois 7.5% of new vehicles are EVs. 132,596 EVs registered in Illinois



# EV Industry going forward? What now?

## Status

- **Percent of new cars sold that were plug in vehicles in 2024.**
  - China 48%
  - EU >21%
- **Battery costs & Price-parity?**
- **Trump Policies/Elon Musk?**

## ... BATTERIES

**Jan 2023: Electric Vehicle Battery Pack Costs in 2022 Are Nearly 90% Lower than in 2008**

**Oct 2024 Goldman Sachs: Average EV battery prices could fall 50% between 2023 and 2026**

# What might Trump Administration bring?

## Challenges.

- Tariffs?
- Congress repeal tax credits for industry and/or car buyers?
- Courts and Congress decide IRA/BIL funding -> state investments
- Efforts to roll back health-based air quality standards add pollution?
- Efforts to roll back EPA tailpipe standards that encourage EV sales?
- Preventing states from enacting programs to require more EV sales?

## Friend or foe?



# THANK YOU!

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