

Revere Consulting Information Technology & Electrical Solutions Company

Presented to the Chicago Southland Chamber of Commerce

September 8, 2022

Today's Agenda

- **Breakfast**
- **Introduction (5 min)**
Terry Winfree, Ph.D., President, Chicago Southland Chamber of Commerce
- **Overview of Revere Consulting Company (10 min)**
Richard C Powell, Ph.D., CPA, Vice President of Development, Revere Consulting Company
- **Planning Activities for Community of the Future (5 min)**
Bruce Montgomery, Acting Commissioner, Illinois Commission on Equity and Inclusion
- **Future Proofing for EV Transportation and Charging Infrastructure (20 min)**
William Davis, Co-founder, General Manager, JitneyEV, LLC and Executive Director, Bronzeville Community Development Partnership
- **Revere Consulting IC (25 min)**
Riley Young, Deputy Director, Government Policy and Incentives, Revere Consulting Company
- **Revere Consulting Company Opportunities (2 min)**
Richard C Powell, Ph.D., CPA, Vice President of Development, Revere Consulting Company
- **Closing (5 min)**
Bruce Montgomery, Acting Commissioner, Illinois Commission on Equity and Inclusion
- **Questions and Answers**
- **Networking**

Company Overview

Revere Consulting Company Inc. is a nineteen-year-old firm that offers telecommunications, network infrastructure, electrical services and advisory implementation services. Based in Richton Park, IL, we have regional offices in South Carolina, Tennessee, Texas, Indiana and Ohio providing services to universities, states and municipalities in the Illinois, Tennessee and other fortune 100 businesses. Revere Consulting is a certified Minority Business Enterprise in the City of Chicago, County of Cook, States of Illinois and 30 other states and municipalities. We also have 5,000 Technical Resources across North America.



Revere Consulting Company Inc.- Key Personnel

Jeff Revere, President

Richard Powell, Vice President of Development

Jennifer Pekny, Director Electrical Services

Riley Young, Deputy Director, Government Policy and Incentives

Evelyn Lopez, Sales Coordinator

Revere Consulting Company Capability Statement

Services:

- **Electrical Vehicle Chargers**
 - Installation of Chargers for over 5 years
 - L2 and DCFC focused installations
 - 44 in house licensed electrical engineers
 - Nationwide coverage, 5,000 tech's
 - 24/7 service support team, manage services
- **IT Network/Infrastructure**
 - Design and build networking
 - Managed Services
 - Project Management
 - Low Voltage Infrastructure MDF/IDF
 - Data Center
 - Call Centers
- **Professional Services**
 - Project management
 - IT Staffing
- **Locations:** Illinois, Indiana, Ohio, Carolina's, Tennessee and Texas
- **Certifications:** MBE in 30 States, DBE nationwide
- **Customers:**
 - Government, State and Local
 - Higher Education
 - Fortune 500
 - Construction
 - Aviation

Customers that Trust Us



Revere Consulting Company

Planning Activities for Community of the Future

Bruce Montgomery, Acting Commissioner, Illinois
Commission on Equity and Inclusion

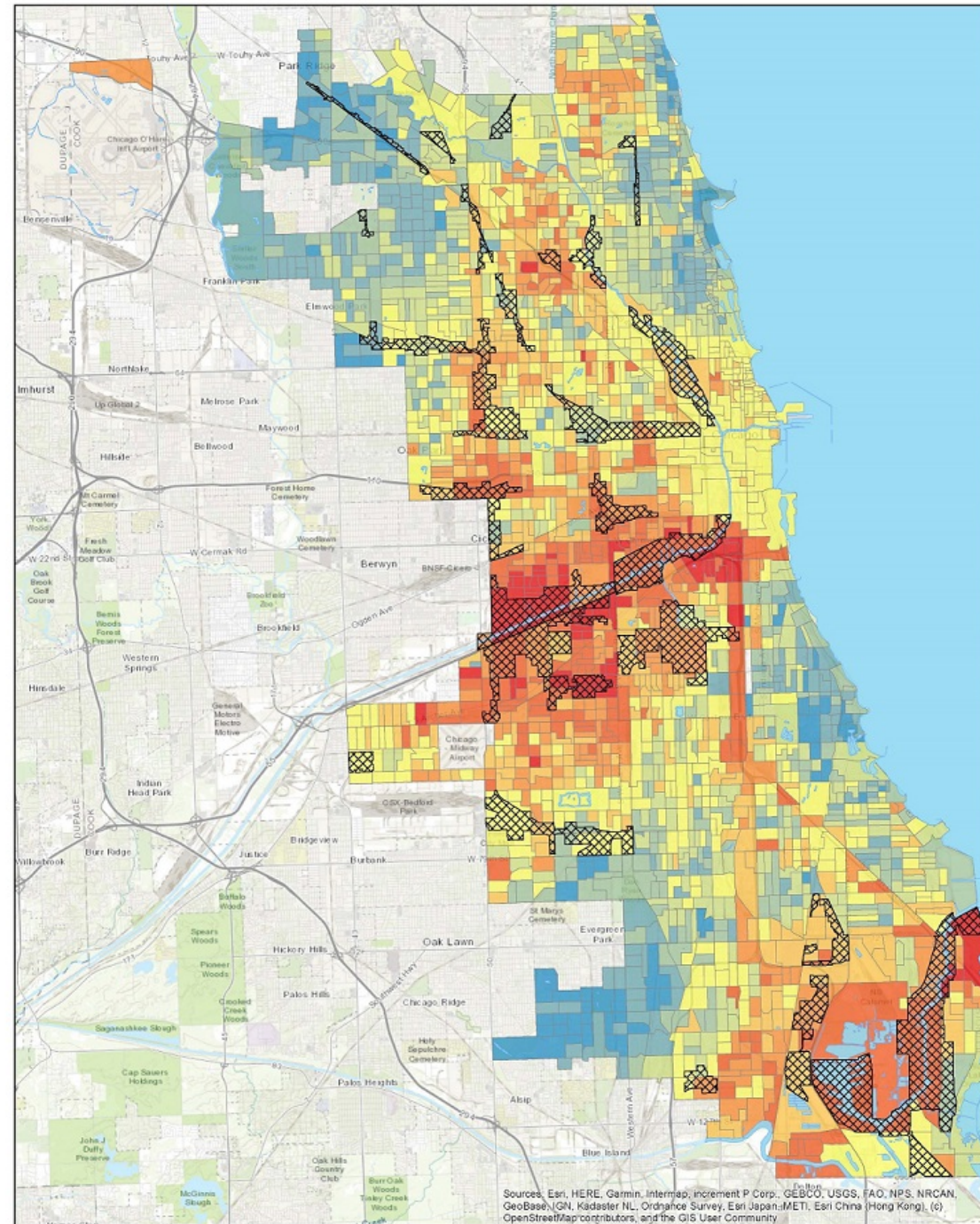
The background of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side and bottom of the slide, creating a modern, dynamic feel.

Revere Consulting Company

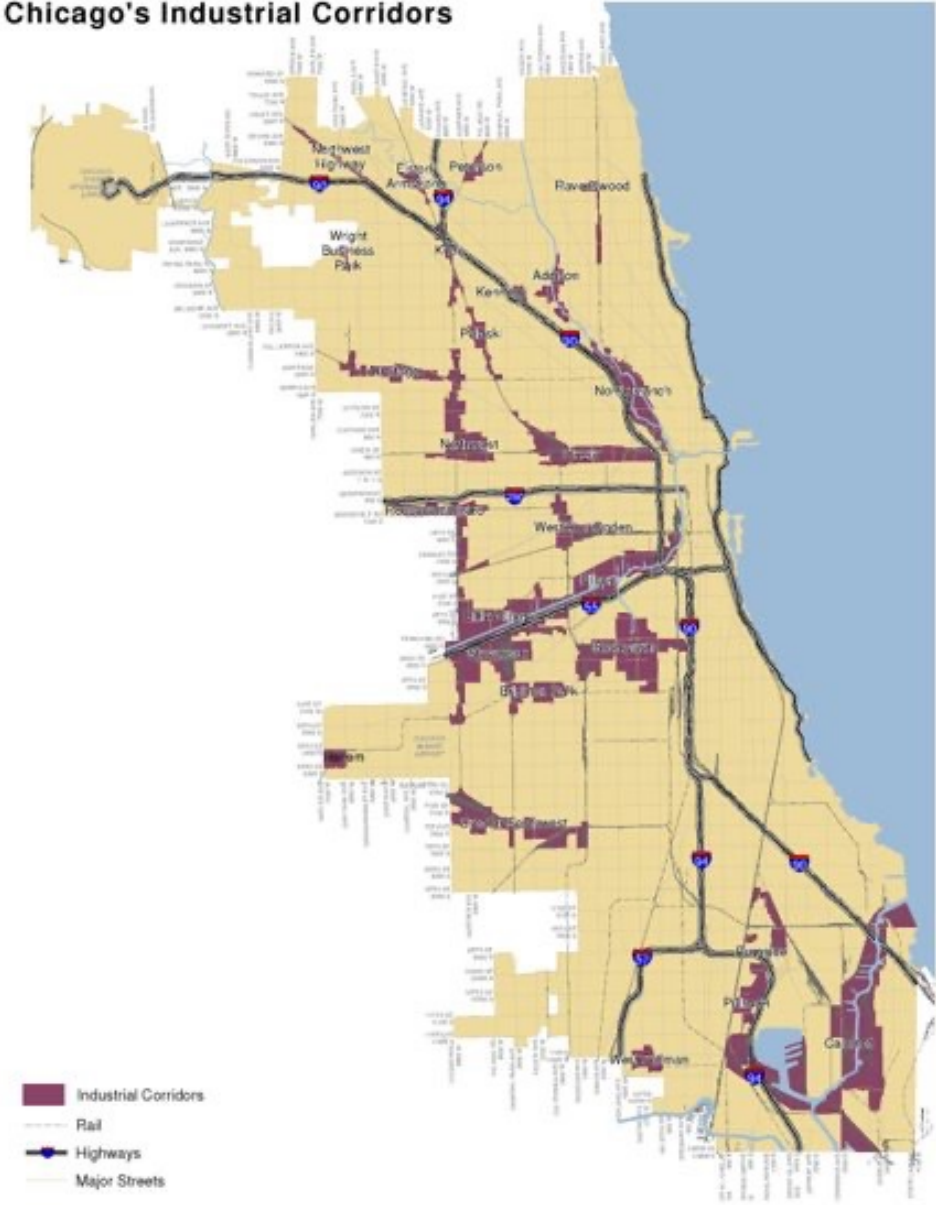
Future Proofing for EV Transportation and Charging Infrastructure

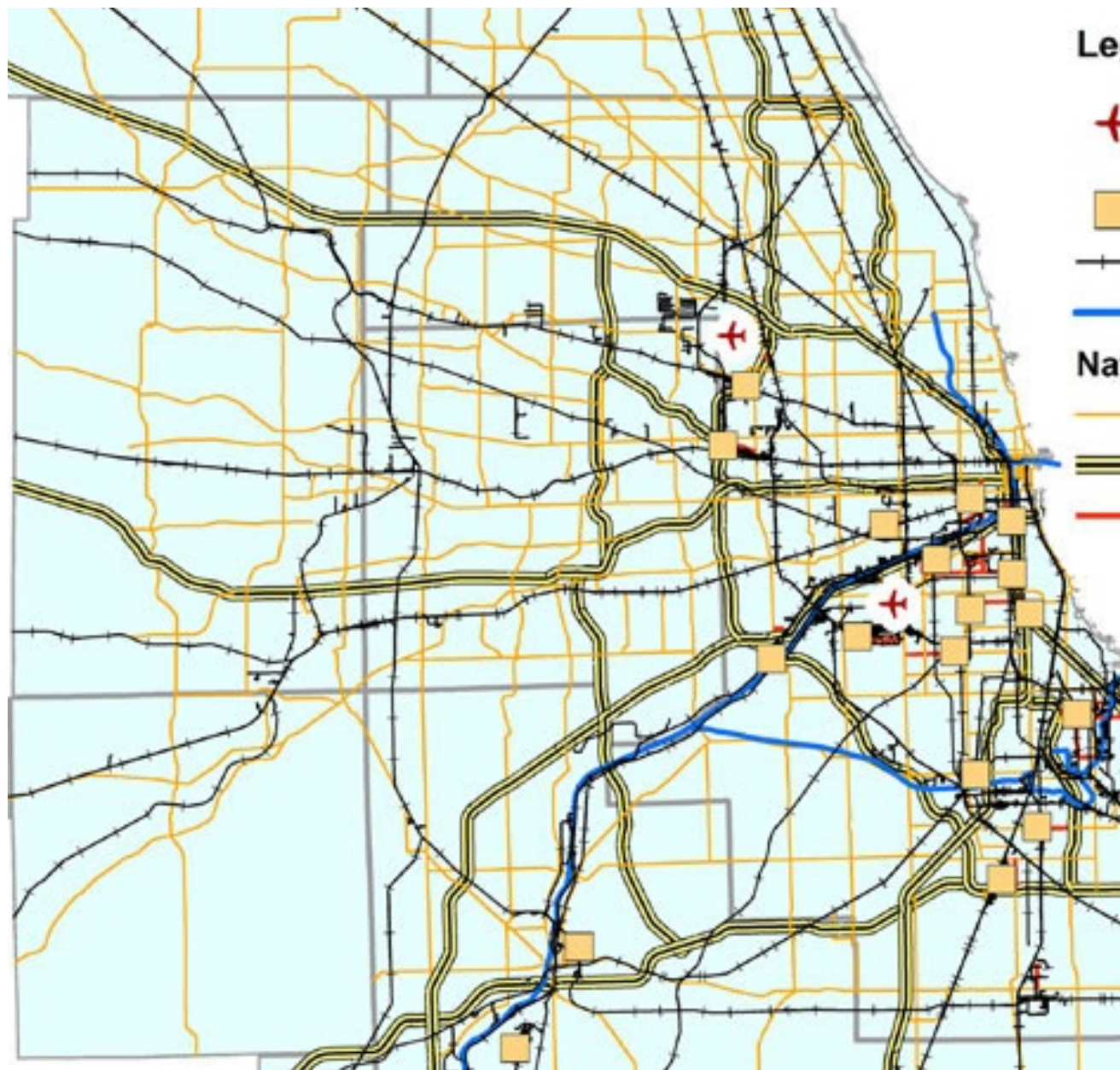
William Davis, Co-founder, General Manager, JitneyEV, LLC and
Executive Director, Bronzeville Community Development Partnership

City of Chicago: Cumulative Environmental & Socio-Demographic Burden



Chicago's Industrial Corridors





Legend



Airports



Rail-Truck Intermodal Terminal



Railroads



Navigable Waterways

National Highway System (Part)



Remainder of National Highway System



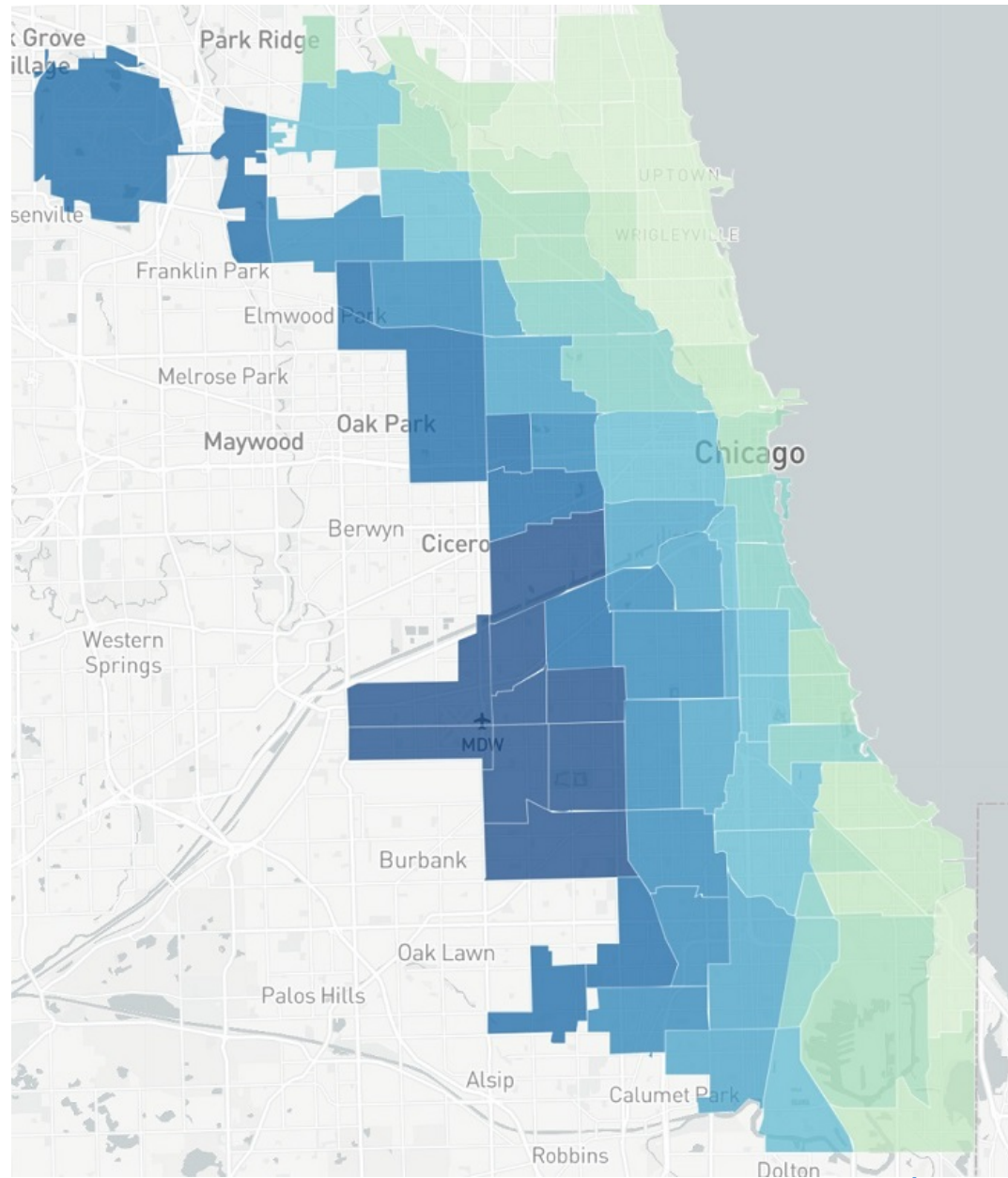
Interstate System

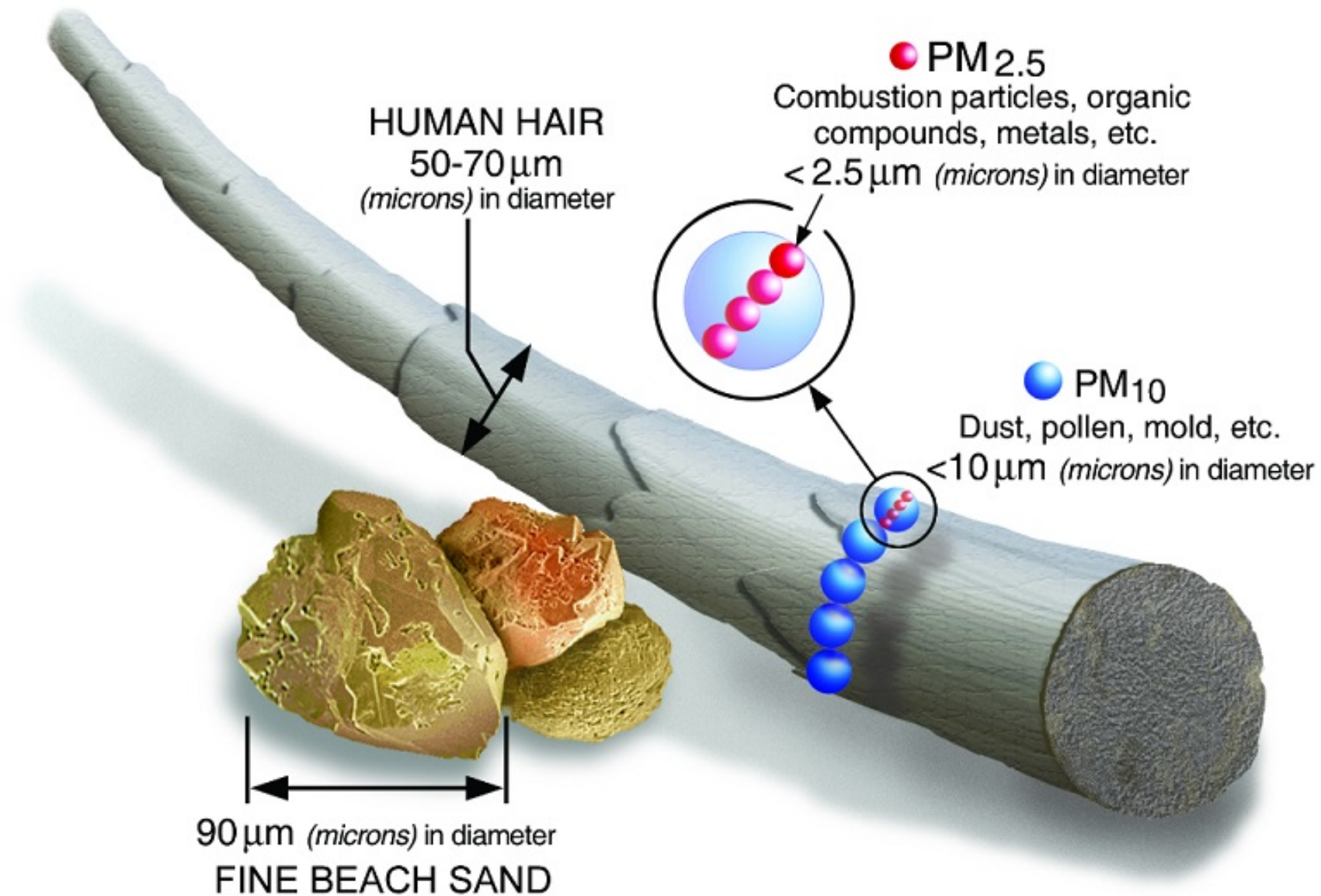


NHS Intermodal Freight Connectors



Trucks pass along 31st Street in Little Village earlier this month. Diesel-fueled trucks are expected to lead to more than 400 premature deaths in Illinois next year. | Brian Rich/Sun-Times





Why Drive Electric?

FACTS, BENEFITS, AND MYTHS

TYPES OF EVS

Hybrid (HEV)

- Hybrid electric vehicles have an internal combustion engine (ICE) and an electric motor that makes the gas engine more efficient
- Can never run completely on electricity
- More gas-efficient but only slightly improve air quality
- Reduce, but don't break reliance on fossil fuels

Plug-In Hybrid (PHEV)

- Plug-in hybrid electric vehicles, like HEVs, have an ICE, electric motor, and battery
- Their battery is bigger and can be charged directly (plug-in)
- Can run almost entirely on electricity
- Reverts to gas after battery runs out

Battery electric (BEV or "Full EV")

- Battery electric vehicles run entirely on electricity
- No tailpipe = no tailpipe emissions
- Can run entirely on renewable energy, and eliminate the need for fossil fuels

TOP SELLING EVS



INCENTIVES

- The federal government offers a tax credit for a purchase of a new plug-in vehicle starting at \$2,500 and up to \$7,500 based on battery capacity
- Tesla and GM have already hit their cap, tax credits are now phasing out (unless extended by pending legislation)

DON'T FORGET USED & PHEV



Chevrolet Volt (PHEV), 53 electric miles,
42 gas mpg, can be found under \$20k



Toyota Prius Prime (PHEV), 25 electric miles,
54 mpg, \$27,600 new



Nissan Leaf, 84 or 107 miles, can be
found under \$10-15k

CHARGING

KNOW YOUR EV CHARGING STATIONS

AC Level One



VOLTAGE

120v 1-Phase AC

AMPS

12–16 Amps

CHARGING LOADS

1.4 to 1.9 kW

CHARGE TIME FOR VEHICLE

3–5 Miles of Range Per Hour

AC Level Two



VOLTAGE

208V or 240V 1-Phase AC

AMPS

12–80 Amps (Typ. 32 Amps)

CHARGING LOADS

2.5 to 19.2 kW (Typ. 7 kW)

CHARGE TIME FOR VEHICLE

10–20 Miles of Range Per Hour

DC Fast Charge



VOLTAGE

208V or 480V 3-Phase AC

AMPS

<125 Amps (Typ. 60 Amps)

CHARGING LOADS






<90 kW (Typ. 50 kW)

CHARGE TIME FOR VEHICLE

80% Charge in 20–30 Minutes

BENEFITS OF DRIVING ELECTRIC

COST TO GO 25 MILES

Tesla Model 3 – 133 MPGe	Honda Clarity – 110 MPGe (electric) 42 MPG (gas)	Toyota Prius – 52 MPG	Toyota Camry – 34 MPG	Ford Explorer – 20 MPG
				
\$0.76	\$0.93 (electric) \$1.96 (gas)	\$1.59	\$2.43	\$4.12

Source: EPA's FuelEconomy.gov, using average gas price (\$3.30) in Cook County, and national average electricity price (12.49¢/kWh).

- More fun to drive with instant torque & regenerative braking

BENEFITS OF DRIVING ELECTRIC

- Environmental
 - electric motors are much more efficient than ICE
 - average new car MPG = 27 MPG
 - average car on the road MPG = 22 MPG
 - Most EVs get over 100 MPG-equivalent
 - EVs convert about 59%–62% of the electrical energy from the grid to power at the wheels. Conventional gasoline vehicles only convert about 17%–21% of the energy stored in gasoline to power at the wheels.

BENEFITS OF DRIVING ELECTRIC

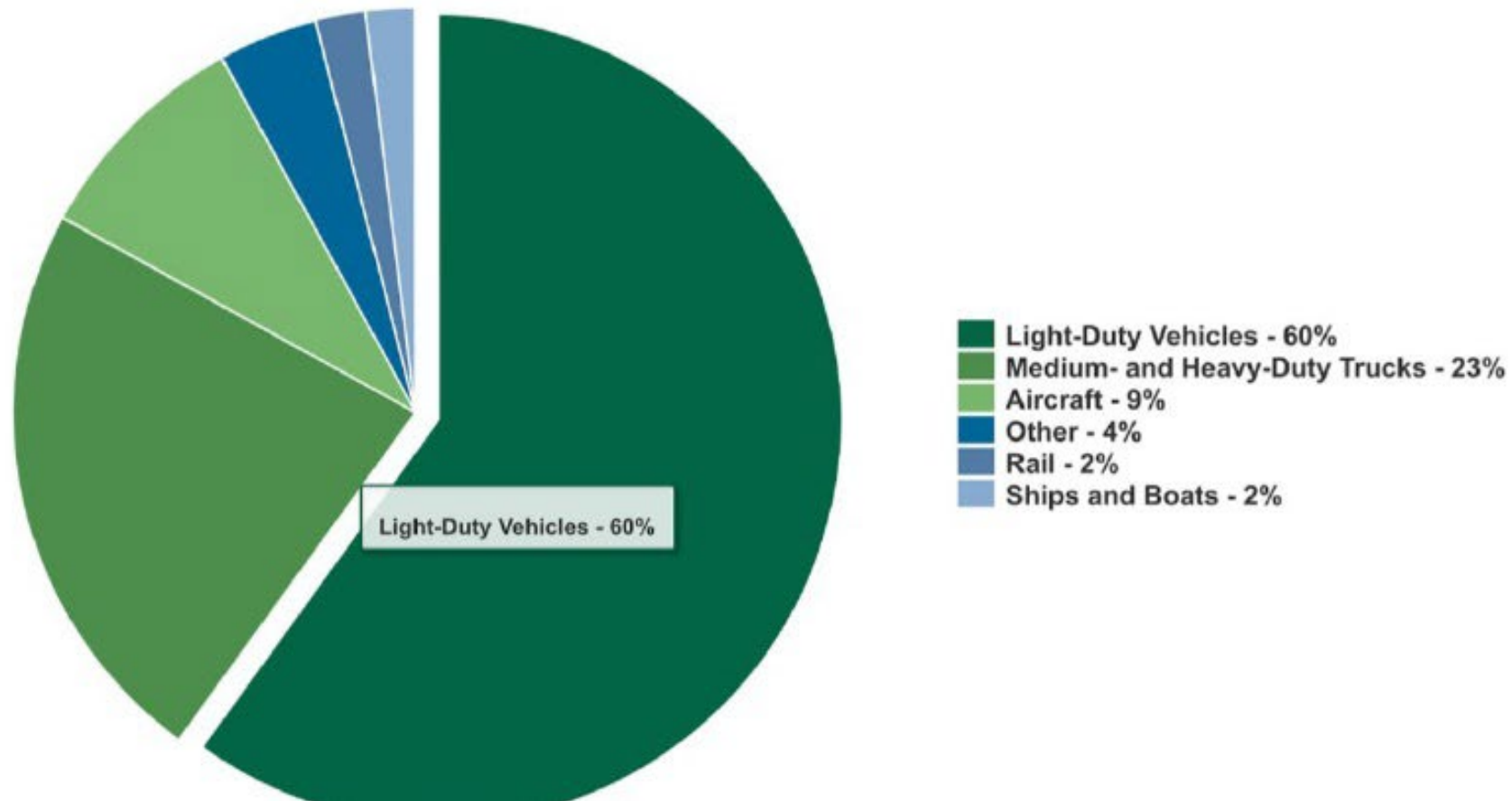
- Environmental
 - Even in areas with the dirtiest coal-fired plants, electric cars still have lower CO₂ emissions overall
 - EVs “produce less than half the [emissions] of gasoline-powered vehicles, even when the [emissions] associated with BEV manufacturing are taken into consideration.”

<http://www.sciencefocus.com/article/cars/how-environmentally-friendly-are-electric-cars>

<https://www.ucsusa.org/sites/default/files/attach/2015/11/Cleaner-Cars-from-Cradle-to-Grave-full-report.pdf>

BENEFITS OF DRIVING ELECTRIC

2016 U.S. Transportation Sector GHG Emissions by Source



Incentives and Rebates

Act



Forbes

ENERGY

Inflation Reduction Act Benefits: Electric Vehicle Tax Incentives For Consumers And U.S. Automakers

Energy Innovation: Policy and Technology Contributor

We are a nonpartisan climate policy think tank helping policymakers make energy policy choices and accelerate clean energy by supporting the policies effectively reduce greenhouse gas emissions.

Sara Baldwin Contributor

I am the director of electrification policy at Energy Innovation.

CNBC

MARKETS BUSINESS INVESTING TECH POLITICS CNBC TV

INVESTOR

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INVESTOR TOOLKIT

You may qualify for over \$10,000 in climate incentives from the Inflation Reduction Act. Here's when you can claim them

PUBLISHED SAT, SEP 3, 2022, 8:00 AM EDT | UPDATED THU, SEP 6, 2022, 9:40 AM EDT

The New York Times

SQUARE FEET

Climate Law a 'Game Changer' for Highways and Bridges

Through a combination of tax credits and direct funding, the Inflation Reduction Act aims to increase the manufacturing of sustainable materials used in infrastructure projects.

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Home Tax breaks

TAX BREAKS

Save More on Green Home Improvements Under the Inflation Reduction Act

Tax credits for energy-efficient home improvements are extended and expanded by the Inflation Reduction Act.

by Rocky Mergle • August 19, 2022



Getty Images

If you're planning a few home improvements that will boost the energy efficiency of your house, you may save some money on your projects now that the Inflation Reduction Act has been signed into law. One of the bill's



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Clean Energy EVs Te

CLEAN POWER

Inflation Reduction Act T Give U.S. Solar Energy Industry A Much Neede

- 1.** What is NEVI and how did we get here? (Federal)
- 2.** State of Electric Vehicles (EV) and EV Infrastructure in Illinois (State)
- 3.** Status of the Illinois Electric Vehicle Infrastructure Plan
- 4.** Status of the Illinois NEVI plan and next steps on stakeholder engagement and implementation

National Electric Vehicle Infrastructure Program

- On November 15, 2021, President Biden signed the \$1 trillion bipartisan infrastructure bill Infrastructure Investment and Jobs Act or IIJA.
- IIJA includes \$7.5 billion in dedicated funding to help make EV charging accessible to all Americans for local and long-distance trips.
- That \$7.5 billion is comprised of a \$5 billion formula program and a \$2.5 billion discretionary grant program



NEVI Formula Program

- Provides dedicated funding to states to strategically deploy **public EV charging infrastructure** and establishes an interconnected network to facilitate data collection, access, and reliability.
- Illinois will receive **\$148 million** from this federal program between 2022-2026.
- Initially, funding under this program is **directed to designated Alternative Fuel Corridors** for electric vehicles including **stations every 50 miles** and **no more than 1 mile off the designated corridor**.
- When the national network is fully built out, funding may be used on any public road or in other publicly accessible locations.

What do we mean by Public EV Charging?

- **Public Charging**= stations available to the public **24 hours a day, 7 days a week**
- Public charging **does not** mean free charging. Charging stations can charge a fee, which will be subject to regulations
- **Fast Charging**= at minimum, 4 combined charging system (CCS) plugs capable of each charging at 150 kilowatts per hour (kWh)
- This means, at minimum, **4 vehicles can charge at the same time**, at a charging speed that will **fully charge an average EV in under a half hour**

NEVI State EV Infrastructure Deployment Plan

- States must submit EV Infrastructure Deployment Plan to the federal government **on or before August 1, 2022**
- Outlines how a state plans to begin implementing the NEVI program
- Does not identify specific sites for charging stations, or how procurement process will work, but **sets a framework** for accomplishing those things **with additional stakeholder input**

Detailed Specifications Still Under Development by Federal Government

- On June 22, 2022, the Federal government released a Notice of Proposed Rulemaking for the NEVI program. This draft guidance is subject to public comment through mid-August and will not be final until the fall. It includes:
 - Specifications on contracting and service requirements
 - Installation, operation, and maintenance standards
 - Americans with Disability Act (ADA) requirements and other accessibility considerations
 - Justice 40 and Environmental Justice considerations
 - Stakeholder and outreach suggestions
 - Data and uptime reliability minimums

\$2.5 Billion Discretionary Grant Program

- The **Federal Highway Administration** will be running separate competitive grant programs to support EV charger deployment.
- **Corridor Charging Grant Program.** This program will strategically deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure along designated Alternative Fuel Corridors.
- **Community Charging Grant Program.** This program will strategically deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure in communities.

State goal: 1 million EVs by 2030

- **June 2019** - Rebuild Illinois
- **April 2021** - Ex. Order 2021-08
- **September 2021** – Climate and Equitable Jobs Act
- **November 2021** – Reimagining Electric Vehicles in Illinois Act



“Here in Illinois, we enacted a nation-leading climate action plan. That includes putting 1 million electric vehicles on the roads by 2030 & providing \$4,000 electric vehicle rebates.” -Gov. Pritzker

Illinois EPA Vehicle Rebates/Grants

- Existing : Illinois residents that purchase a new or used all-electric vehicle after July 1,2022 will be eligible for a rebate. Low-income customers are prioritized
 - \$4,000 rebate for the purchase of an all-electric vehicle that is not an electric motorcycle
 - A \$1,500 rebate for the purchase of an all-electric motorcycle
- Future: IEPA will also develop grants/rebates for vehicles with funds from the VW settlement
 - \$27 million for all-electric public transit buses and public passenger/commuter locomotives
 - \$27 million for all-electric school buses
 - \$16 million for all-electric Class 4-8 local freight trucks (including municipal trucks, refuse trucks, dump trucks, concrete mixer trucks, delivery vehicles, and Class 8 port

Illinois Charging Rebates/Grants

CEJA grants

- \$70 m towards supporting 80% of installed cost of charging infrastructure
 - Rules being developed at IEPA

VW settlement

- \$12.6 m towards light duty charging
 - To issue Notice of funding opportunity by Q4, 2022

Illinois Alternative Fuel Corridors

Electric Vehicle Signage Ready

- I-39 from Rockford IL to Sun Prairie WI
- I-55 from Chicago IL to Bolingbrook, IL
- I-74 from IL/IA border to IL/IN border
- I-80 from IL/IN border to Joliet IL
- I-90 from IL/IN border to Sun Prairie WI; and, from La Crosse WI to Sparta WI
- I-94 from Sun Prairie WI to IL/IN border

Electric Vehicle Signage Pending

- I-39 from Normal IL to Rockford IL
- I-55 from Joliet IL to St. Louis
- I-80 from Joliet IL to IL/IA border
- I-70 from St. Louis to Indiana boarder
- I-57 from Chicago to Missouri border
- I-64 from St. Louis to Indiana boarder

Legend

- IL NEVI Compliant Stations
- Neighbors States NEVI Compliant Chargers
- Alternative Fuel Ready EV Corridors
- Alternative Fuel Pending EV Corridors
- Undesignated Corridors
- Illinois Counties



Illinois Alternative Fuel Corridor Award

In 2019 IDOT and 8 other states were awarded funds to study I-80 from Nebraska to New Jersey

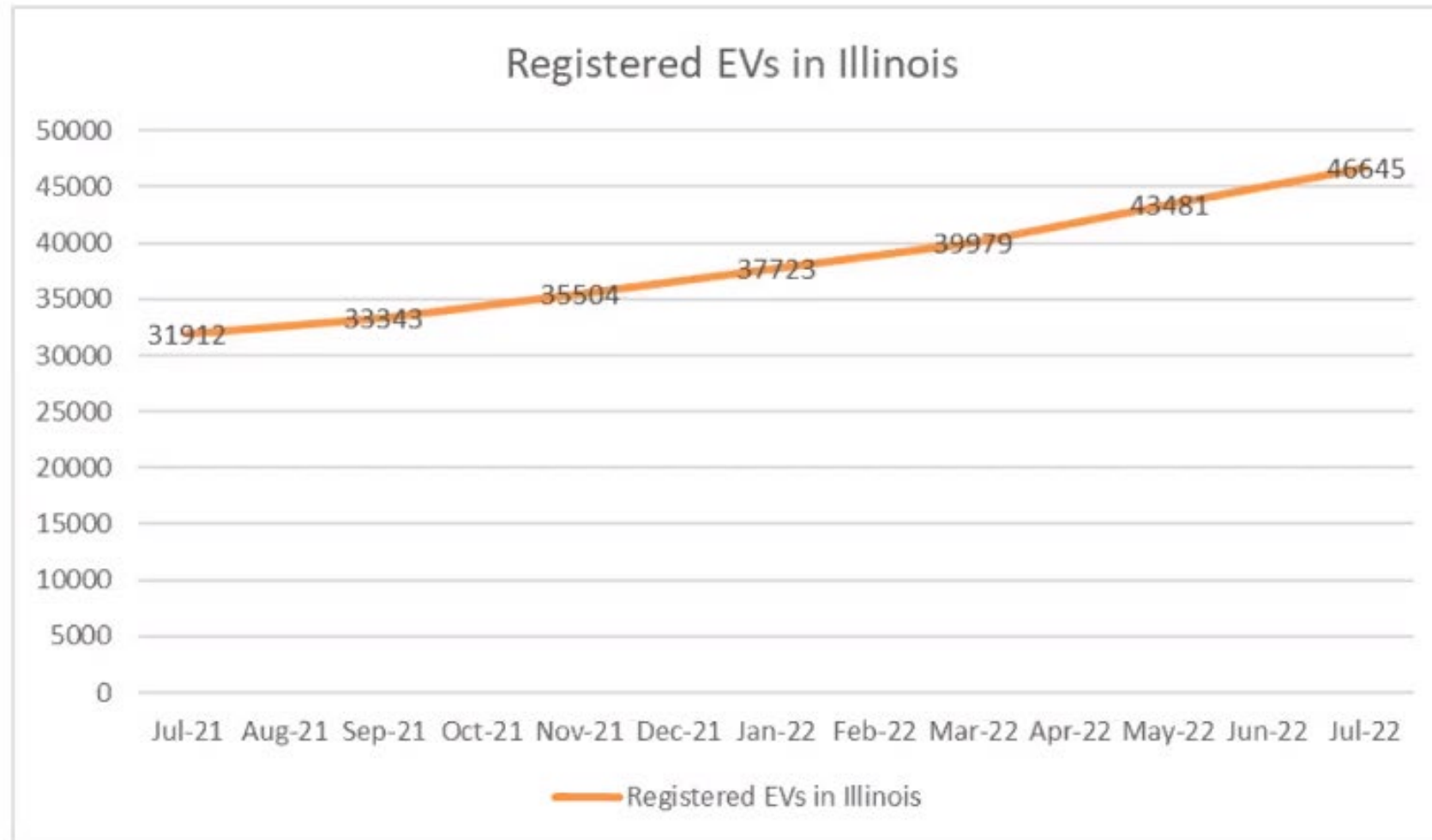
This was a multistate effort including: Iowa, Illinois, Indiana, Ohio, Pennsylvania, and New Jersey.

Other partners include Argonne National Laboratory and Trillium



I-80 MID-AMERICA
**CLEAN FUELS
CORRIDOR**
A greener way across the USA

Number of Electric Vehicles Registered In Illinois



Electric Vehicle Coordination in Illinois

- In 2021 the state of Illinois formed the Interagency Working Group on Electric Vehicles. Meeting monthly these state agencies coordinate efforts to increase EV adoption and develop policies to entice EV manufacturers to the state. This group includes:
 - Illinois Department of Transportation (IDOT)
 - Illinois Commerce Commission (ICC)
 - Illinois Environmental Protection Agency (IEPA)
 - 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)

Next Steps in NEVI Program Implementation

- **August 1, 2022:** Deadline to submit state NEVI plans
- **August 22, 2022:** Comment period closes on Notice of Proposed Rulemaking for NEVI minimum standards and requirements
- **September 30, 2022:** Deadline for Federal Highway Administration to approve state plans or notify State DOTs that changes are needed
- **Fall 2022:** NEVI Funds available for states to begin investing in public charging



Illinois Electric Vehicle Infrastructure Deployment Plan

Draft plan- Submitted to Joint Office of Energy and Transportation and
pending review and approval from Federal Highway Administration

August 1, 2022

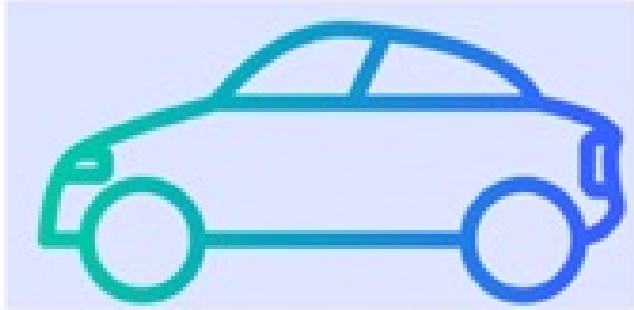


On July 1, ComEd filed a plan with state regulators outlining programs and policies to help advance the goals of the Climate and Equitable Jobs Act (CEJA) – including the goal of putting 1 million electric vehicles (EVs) on the road by 2030.

Pending approval by the Illinois Commerce Commission, ComEd's Beneficial Electrification (BE) Plan would commit \$100 million annually over three years to provide programs that will reduce barriers to:

- The adoption of EVs and other beneficial electrification technologies
- Catalyze investment in critical charging infrastructure
- Promote an equitable allocation of resources to support communities in the greatest need

Residential Program : \$15 million per year



To reduce the upfront costs of purchasing and installing EVs, in-home charging stations and non-transportation electrification equipment (like electric cooktops), ComEd is proposing:

- \$6 million to support passenger vehicle purchase rebates of \$3,000 to \$6,000 each
- \$5 million to support charging infrastructure rebates, up to \$3,750 per home
- \$3 million to support home appliance rebates of \$25 to \$3,000 per appliance
- \$1 million to support home appliance infrastructure rebates, up to \$750 for single-family homes and up to \$5,000 for multi-unit buildings

EV Charging Delivery Classes



In conjunction with the BE Plan, ComEd has proposed to create two new electric vehicle charging delivery rate classes for C&I customers. These rate classes will make the adoption of charging infrastructure more attractive by helping customers avoid high upfront costs for charger installation and providing an alternative to the default demand-based rate structure.

C&I and Public Sector Program: \$63 million per year

To reduce the financial barriers associated with electrifying vehicle fleets, installing charging stations, and adopting other beneficial electrification technologies, ComEd is proposing:

- \$47 million to support vehicle purchase rebates, including rebates of \$5,000 to \$75,000 for fleet vehicles, \$120,000 to \$180,000 for school buses, and \$80,000 to \$120,000 for transit buses
- \$10 million to support charging infrastructure rebates for public sector and public charging providers in or serving environmental justice or R3 communities
- \$2 million to support C&I rebates for electric building and industrial process technologies and \$4 million to support infrastructure readiness for building and forklift electrification



Customer Education and Awareness Program: \$9 million per year



To build on existing efforts to support customers, the Plan includes investments to expand knowledge of EVs and the incentives available through ComEd's Beneficial Electrification Plan to a wide range of customers, and to provide support for customers and fleets considering beneficial electrification measures. This will include targeted outreach to engage low-income customers and environmental justice communities.

BE Pilot Program: \$5 million per year

The Plan includes investments to study the benefits of various beneficial electrification technologies, including air quality mapping, school bus vehicle to grid capabilities, residential optimized charging and backup power capabilities.



Electric Vehicles Assembled in North America		
Model Year	Vehicle	Note
2022	Audi Q5	
2022	BMW 330e	
2022	BMW X5	
2022	Chevrolet Bolt EUV	Manufacturer sales cap met
2022	Chevrolet Bolt EV	Manufacturer sales cap met
2022	Chrysler Pacifica PHEV	
2022	Ford Escape PHEV	
2022	Ford F Series	
2022	Ford Mustang MACH E	
2022	Ford Transit Van	
2022	GMC Hummer Pickup	Manufacturer sales cap met
2022	GMC Hummer SUV	Manufacturer sales cap met
2022	Jeep Grand Cherokee PHEV	
2022	Jeep Wrangler PHEV	
2022	Lincoln Aviator PHEV	
2022	Lincoln Corsair Plug-in	
2022	Lucid Air	
2022	Nissan Leaf	
2022	Rivian EDV	
2022	Rivian R1S	
2022	Rivian R1T	

Electric Vehicles Assembled in North America		
Model Year	Vehicle	Note
2023	BMW 330e	
2023	Bolt EV	Manufacturer sales cap met
2023	Cadillac Lyriq	Manufacturer sales cap met
2023	Mercedes EQS SUV	
2023	Nissan Leaf	

Summary of 30D Provisions

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
200,000 per man. cap	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
MSRP cap	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Income cap	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tax credit as rebate	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Final Assembly in North America	✓ ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓
Critical mineral % of value requirement ² (\$3,750 tax credit)	40%	50%	60%	70%	80%	80%	80%	80%	80%	80%
Critical minerals foreign entities of concern rule	—	—	✓	✓	✓	✓	✓	✓	✓	✓
Battery component % of value requirement ³ (\$3,750 tax credit)	50%	60%	60%	70%	80%	90%	100%	100%	100%	100%
Battery component foreign entities of concern rule	—	✓	✓	✓	✓	✓	✓	✓	✓	✓
Maximum tax credit	\$7500	\$7500	\$7500	\$7500	\$7500	\$7500	\$7500	\$7500	\$7500	\$7500

1. Immediately following the date of enactment (i.e., 2022 and 2023)

2. Percentage of value of critical minerals mined or processed in the U.S. or FTA countries, or recycled in North America

3. Percentage of value of battery components manufactured or assembled in North America

LIGHT-DUTY EV TAX CREDIT

The light-duty electric vehicle (EV) tax credit of up to \$7,500 per vehicle has been extended through 2032, which will allow millions more consumers to utilize this credit and more easily switch to an EV. The previous credit, with a cap of 200,000 vehicles per automaker, had already ended for Tesla and General Motors and would have soon ended for a few other automakers. However, other modifications, including an MSRP cap, income cap, assembly/sourcing requirements, and options to transfer the credit to a dealer at the point of sale, have been added. Some of these requirements will be phased in over the next few years.



USED EV TAX CREDIT

For the first time, used EVs will be eligible for federal tax credits of up to \$4,000 or 30% of the sales price, whichever is lower. The sales price must be less than \$25,000 and the vehicle must be at least two years old. Income caps also apply.



COMMERCIAL EV TAX CREDIT

Commercial EVs will also be eligible for federal tax credits for the first time ever, up to 30% of the sales price.

JitneyEV

We'd love to tell you about...

Mobility as a Service (MaaS)

WPDavis@JitneyEV.com

[773-909-9900](tel:773-909-9900)

Revere Consulting IC

The Benefits of Electric Vehicle Charging for your Business

Riley Young
Deputy Director, Government Policy and Incentives
Revere Consulting IC

September 8, 2022

Revere Consulting and InCharge Energy

Revere Consulting offers telecommunications, network infrastructure, electrical services and advisory implementation services. Revere Consulting is a certified Minority Business Enterprise and has installed more than five thousand EV charging stations across North America

InCharge Energy is an electric vehicle charging infrastructure firm majority owned by ABB. Together, the firms have unparalleled reach with sales of more than 680,000 chargers in 88 markets and over 100 years of combined electric vehicle and charging experience and innovation. ABB E-mobility is the global leader in EV charging technology.

Charger Types and Rates



Level 1 AC Charging

- Primarily residential charging
- Slowest, adds about 3-5 miles of range per hour
- Cheapest, typically can be plugged into a 120v outlet
- AC Power only
- Approx. 1.4-1.9kW power output
- Uses J1772 connector



Level 2 AC Charging

- Primarily public “slow” charging, also workplace, residential and fleet charging
- Adds 10-20 miles of range per hour
- Requires additional hardware, but typically not infrastructure/power upgrades
- AC Power only
- Approx. 2.5-19.2kW power output
- Uses J1772 connector



DC Fast Charging

- Sometimes incorrectly called “Level 3”
- Fleet and public charging
- Adds up to 80% charge in 30 min
- Most expensive, requires power upgrades
- DC power
- 24kW - 350kW power output (typically 50kW-150kW)
- Uses CCS1 and CHAdeMO connectors

How can EV Charging Benefit Your Business?

Public Charging

- Charge EV drivers to use your charging stations, become charging destination

Workplace Charging

- Give employees free charging as a perk OR make money from employee charging at work
- Allow the public to charge at your business, make money from charging, and become a charging destination

Fleet Charging

- Reduce your maintenance and fuel costs by a significant amount
- Create a charging hub and pool resources with other fleets to lower initial costs

Electric Vehicle Types and Uses



Passenger/Light Duty

- Owned by consumers, the most common type of EV on the road
- Have the smallest battery, but typically drive short trips and routes
- Can charge overnight with L2 and under 2 hours with DC Fast Chargers
- Will utilize public and workplace charging (in front of the fence)



Van/Medium Duty

- Owned by fleet operators
- Similar daily routes (bus routes and delivery schedules), typically medium length
- Typical charging habits
- Can charge overnight with L2 and under 4 hours with DC Fast Chargers
- Will utilize fleet yard charging and some public charging if there are range issues



Heavy Duty/LHT

- LHT stands for “Long-Haul Truck”
- Owned by fleet operators
- Longer routes are common
- Somewhat typical charging patterns, but determined by route
- Requires high-powered chargers to charge quickly (150kW+)
- Interest in public charging networks for long routes (cross country) is expanding

EV Charger Use Cases



► Public Charging

- Users charge while out and about
- Common for light-duty EV, will become more common for MD/HD delivery vehicles and trucks as market develops
- Customer pays site owner for electricity per kWh used, sometimes also pays membership fees
- Customer: EV owners



► Workplace Charging

- Charging while at work
- Can create a destination - come to charge your EV, stay to shop, dine, etc.
- Can also be a benefit for employees and charge electric fleet vehicles at workplace
- Public pays for charging, can generate revenue for employer
- Customer: EV owners, employees, companies



► Fleet Charging

- Charge your vehicle fleet
- Behind-the-Fence: this charging is not accessible to general public
- EV fleet vehicles have much lower fuel and maintenance costs than diesel vehicles
- Fleet owner pays for electricity, if a multi-fleet site, other fleets can pay membership fees
- Customer: Fleet Owner

Tried and tested EV Charging Hardware

Level 2 AC



DC Wallbox



Standalone DCFC



Power Cabinet & Dispenser DCFC



- Level 2 is best for workplace, Standalone is best for public, and all work for Fleets
- We have large quantities of inventory in stock and ready to ship
- All chargers can be deployed with the industry-standard CCS-1, CHAdeMO and J1772 connectors
- DCFC and AC Charging Hardware with power levels from 32Amp L2 to 480kW DCFC
- All hardware is NRTL certified, installed by our certified professionals, and OCPP compliant

Our Charging Station Installation Process

- Site Walk/ Development of Preliminary Plan
- Review of Preliminary Plan with Client
- Development and Presentation of Final Plan / Estimates
- Conduct site engineering
- Identify Financial Solutions to Meet Client's Needs
- Complete Evaluation Process
- Gather permits from Authority Having Jurisdiction
- Ensure Hardware Arrival
- Begin Construction and Install Charger Hardware
- Check Hardware Network Connection
- Conduct Final Commissioning and Bolt Down



We create a plan and execute.

Coast-to-Coast Charger Service Support

Reliable and Responsive Service that offers National Resources with Local Relationships

We go beyond the system. Our priority is to provide the best possible service to our internal and external customers every hour of every day.

There is no job that is too large or too small. We are capable of scaling rapidly to meet the needs of our customers nationwide through the Revere Consulting IC's Nationwide Service footprint.

Our extensive service and maintenance capabilities are backed by smart features powered by In-Control.



In-Control Charger Management Software

The In-Control charger management platform is purpose built for maximum opportunity and maximum usability

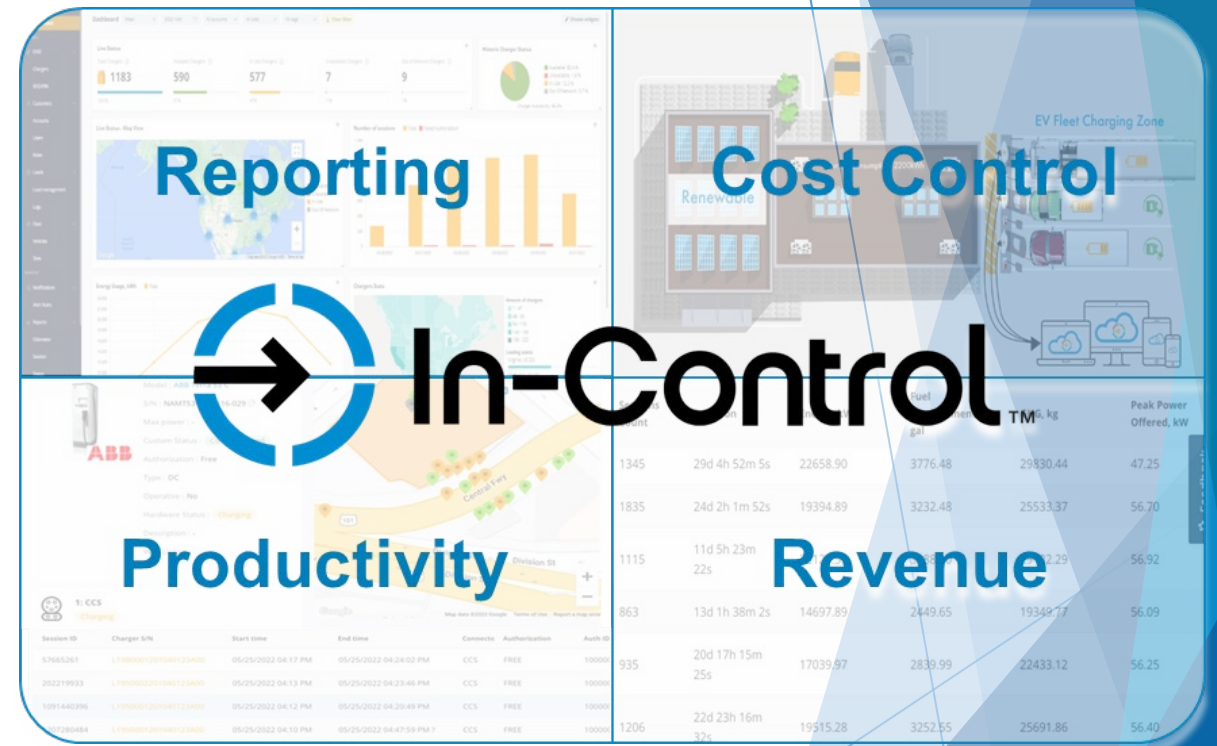
Remotely manage your chargers

Flexible, customizable reporting

Live charging & energy consumption data

Reduce operating costs and save time with remote service and over-the-air updates

Track service, warranty, & preventative maintenance

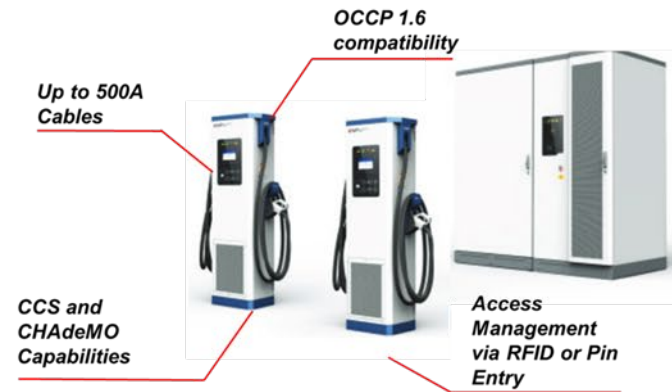


Solar, Battery Storage, and Microgrids



Renewable Energy Generation

Solar or other renewable energy generation sources allow for resilient and cost-effective energy generation, which reduces site energy cost, grid reliance, and the effect of outside grid outages



Battery Storage Systems

Energy storage gives this system the ability to output high power with low input, reducing peak electricity expenses and grid input requirements



Integrated Power Center

An Integrated Power Center, or “Grid on a Skid,” brings power to charging centers in a reduced timeline, offering an efficient alternative to power sourced exclusively from utilities

AT&T Advanced Mobility Solutions - Augmenting your environment with IoT

Platforms: SIM management platform with rate plans designed to bill you based on consumed data and enhanced situational awareness through a single Pane of Glass Platform



Emergency Response Technologies: prepare for coordinated response, situational awareness and streamlined communications during events and emergencies



Smart Waste: monitor dumpster fill levels to enable efficient scheduling and routing for collection and customer insight



Video Intelligence/Analytics: video compression technology enables reduced bandwidth utilization



Electric Vehicle (EV) Charging Stations: plan, install and launch smart electric vehicle charging solutions designed to meet your specific needs



Smart Traffic Management: near real time intersection monitoring and adaptive signal timing reduces traffic congestion, decreases emissions, and enables pedestrian safety

Smart Lighting: plug and play nodes allow for advanced lighting controls and integrated sensors



Environmental Sensors: advanced wildfire smoke and air quality real-time monitoring system to provide information to first responders



Energy and Building Management: generate operational insights to reduce energy consumption



Flood and Soil Sensors: enable remote valve controls and receive near real-time data and alerts of rising water and soil saturation levels.



AT&T Business

Multiple Payment Options for EV Projects

Turnkey Solutions

We will provide a single price of the entire project.

After the prototype sites are walked, a quote will be provided for each site.

These quotes will include all capital costs, and a prepaid period for operating expenses like software and warranty.

Project Finance

We will provide a monthly cost for the entire project, rolling capital expenses into operating expenses.

This monthly cost is not based on utilization, but an even split of all capital expenditure costs along the lifetime of the project.

Charging-as-a-Service

We will provide a monthly cost around kWh utilization as based on charger usage with a minimum guarantee, as a “pay-as-you-go” approach

This will cover all capital and operating expenditure and will last for the lifetime of the project.

Revere Consulting IC

Career Opportunities

Richard C Powell, Ph.D., CPA, Vice President of Development, Revere Consulting Company

September 8, 2022

Revere Consulting Company

Opportunities

1. Sales Consultants.....Salary plus commission
2. IT Field Technician ...Hourly
3. Electrical Engineer.... Hourly
4. Supervisor...Salary Based
5. Project Manager... Salary Based

Corporate Opportunities

1. Corporate Electrical Solutions Reseller
2. Electrical Engineering Contractor
3. Electrical Construction Contractor

Minority/Women Owned Businesses are
encouraged to contact us.

Revere Consulting Company

Opportunities

- Send resumes to: Anita Lee, alee@revereconsulting.net

Corporate Opportunities

- Contact Information: Phone: 708-753-7960; Fax: 708-753-7967; email: ceo@revereconsulting.net or rpowell@revereconsulting.net

Minority/Women Owned Businesses are encouraged to contact us.

Revere Consulting Company

Closing Remarks

Bruce Montgomery, Acting Commissioner, Illinois
Commission on Equity and Inclusion
September 8, 2022