



# Saint Paul Climate Action Work

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## SAINT PAUL CLIMATE ACTION & RESILIENCE PLAN

A FRAMEWORK FOR OUR COMMUNITY  
TO ADDRESS THE IMPACT OF CLIMATE CHANGE



DECEMBER 2019

City of Saint Paul Mayor  
Melvin Carter



# IPCC Dire Warnings

- 1.5 Degree Celsius Increase by early 2030's
- Significant impacts expected
- "Overshoot Period"
- 2.0 Degree Celsius Increase by 2060's



# IRA and IIJA are Game-Changing

THE WHITE HOUSE



[Administration](#)

[Priorities](#)

[The Record](#)

[Briefing Room](#)

[Español](#)

[MENU](#)



## INFLATION REDUCTION ACT GUIDEBOOK



[CLEAN ENERGY](#)

### [Download the Inflation Reduction Act Guidebook](#)

**O**n August 16, 2022, President Biden signed the Inflation Reduction Act into law, marking the most significant action Congress has taken on clean energy and climate change in the nation's history.

With the stroke of his pen, the President redefined American leadership in confronting the existential threat of the climate crisis and set forth a new era of American innovation and ingenuity to lower consumer costs and drive the global clean energy economy forward.

The Inflation Reduction Act is aimed squarely at building a better America

#### [CLEAN ENERGY FOR ALL](#)

[Clean Energy Updates](#)

[Inflation Reduction Act Guidebook](#)

[Clean Energy Tax Provisions in the Inflation Reduction Act](#)

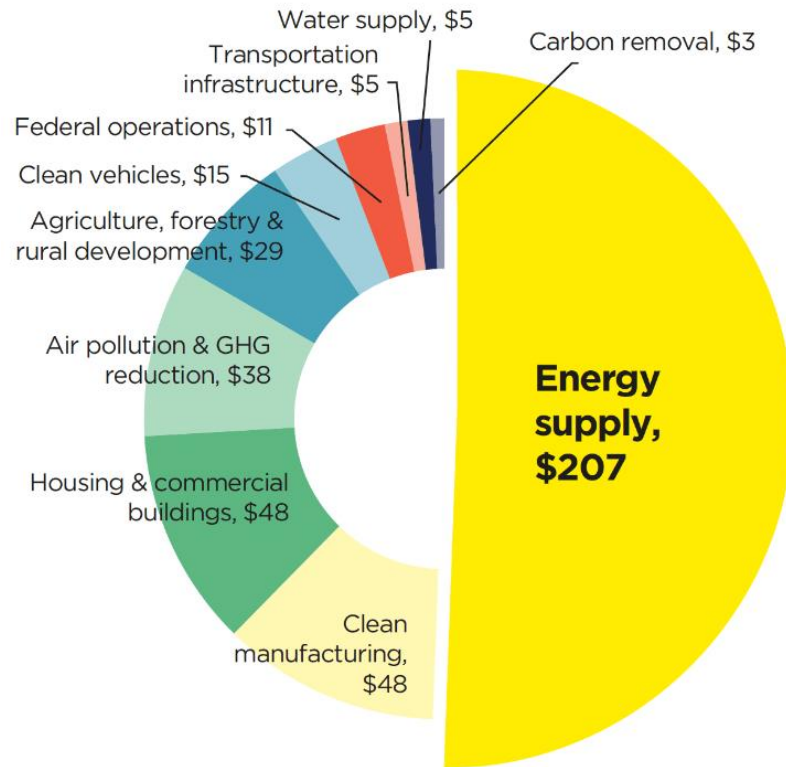
[EV Acceleration Challenge](#)

[Funding for Tribes in the Inflation Reduction Act](#)

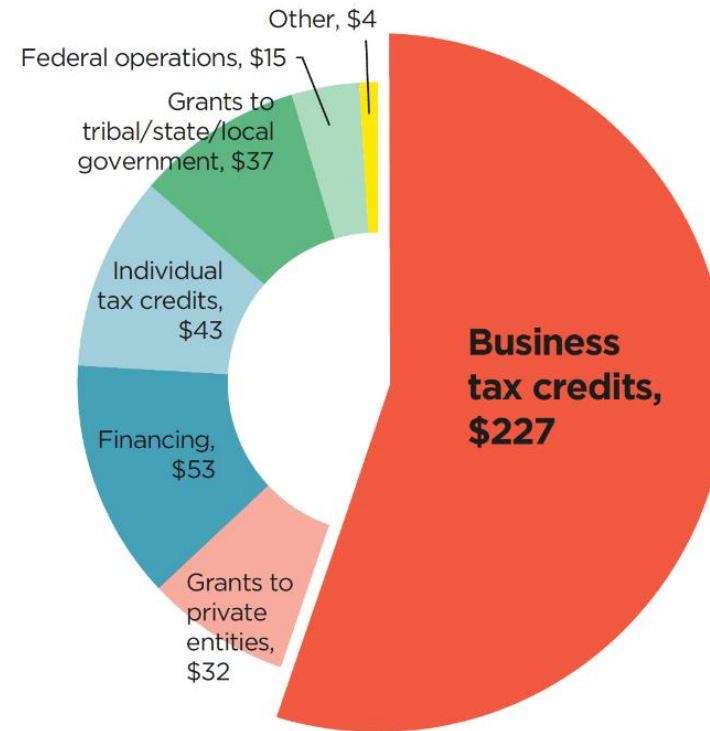


# Breakdown of IRA Funding (\$369 Billion)

**Figure 1. Energy supply receives about half of IRA resources, with significant investments in clean manufacturing and housing (billions of dollars)**



**Figure 2. The largest share of IRA funding will be available as tax credits to businesses (billions of dollars)**



Graphic Credit: Climate Action and the Inflation Reduction Act, A Guide for Local Government Leaders, C40 Cities, October 2022

# Allocation of Funds for Local Governments

| Environmental Protection Agency              |              |
|--|--------------|
| Program                                      | Funding      |
| Climate Pollution Reduction Grants           | \$5 billion  |
| GHG reduction fund (Green Bank)              | \$27 billion |
| Low Emissions Electricity Outreach Program   | \$87 million |
| Environmental Justice Block Grants           | \$3 billion  |
| Clean Heavy-Duty Vehicles Grants and Rebates | \$1 billion  |

| Department of Energy   |                 |
|--|-----------------|
| Program  | Funding         |
| EECBG  | \$317,800 (STP) |
| Buildings Up!  | \$150 million   |
| Housing and Urban Development  |                 |
| Program  | Funding         |
| Improving Energy Efficiency, Water Efficiency, or Resilience of Affordable Housing | \$880 million   |

# Allocation of Funds for Local Governments

| Department of Transportation   |             |
|--------------------------------|-------------|
| Program                        | Funding     |
| Neighborhood Access and Equity | \$3 billion |

| USDA/USFS                                       |               |
|---|---------------|
| Program   | Funding       |
| Urban and Community Forestry Assistance Program | \$1.5 billion |

## Tax Incentives:

- Investment tax credit for clean electricity (uncapped)
- Production tax Incentive for clean electricity (uncapped)
- High efficiency electric home rebate program (\$4.5 billion)
- Residential energy efficiency tax credit (uncapped)
- Home Owner Managing Energy Savings (HOMES) Program (\$4.3 billion)
- Residential clean energy tax credit (uncapped)



# Federal Applications Awarded/Submitted

## Awarded

- \$1.44 million USDOE for EV Spot/Event expansion
- \$2 million for Urban and Community Forestry (Great River Greening another \$10 million to work in Saint Paul and 3 other communities)
- Reconnect Rondo/City \$2 million Reconnecting Communities

## Pending

- \$2.5 million Charging and Fueling Infrastructure
- \$400k Buildings Up Challenge Grant
- \$16 Million Safe Streets for All East Side project
- Reconnect Rondo/Rondo Land Trust RC/NAE -- \$100 million



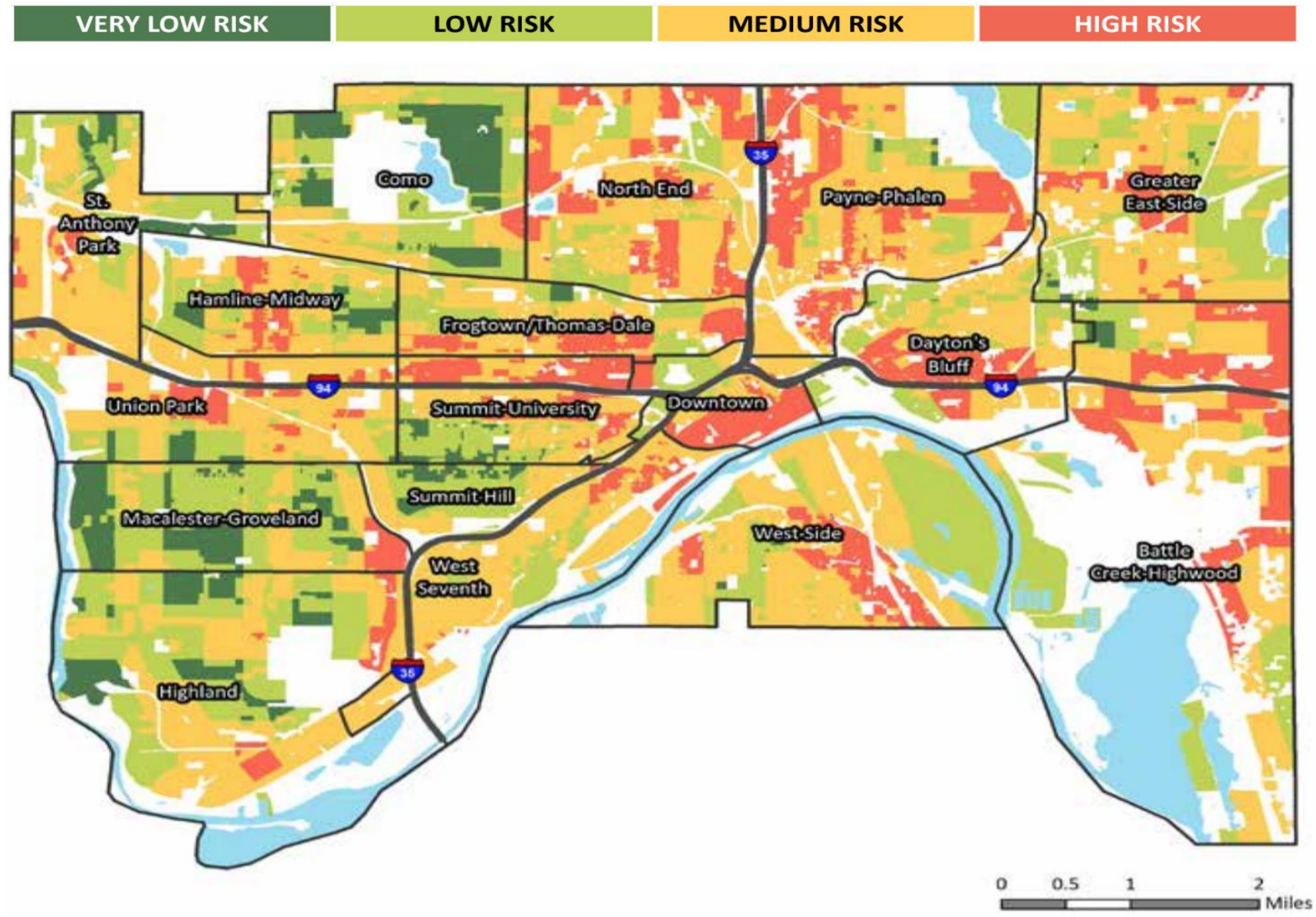
## Federal Prospects

- Climate Pollution Reduction Grants (planning and implementation), \$2million-\$500 million per grant, EPA
- Solar for All (MN Dept of Commerce Energy Office applying for \$100 million), EPA





# Composite Vulnerability: socio-economic, urban heat, flooding, tree canopy, air pollution





# Climate Justice Advisory Board (CJAB)

- Began meeting February 2021
- Advise Mayor, Council, staff on ways to ensure equitable implementation of the City's climate action work
- Planning a public-facing City climate "stock-take" for November, in advance of COP-28



# Energy Burden

*The proportion of household income used to cover energy costs*

- Electric Heat Affordable Rental Pilot (EHARP)
- Healthy Homes Saint Paul
- Xcel ESAG process – possible discount for low-income households being explored
- Buildings UP partnership
- Solar for All Opportunity



# City Energy Use

*Goal: Achieve carbon neutrality in municipal operations by 2030.*

## 2022 Accomplishments:

- Completed 19 energy efficiency projects
  - *Will save the city 590,000 kWh of electricity & 3100 therms of natural gas annually*
  - *Earned \$124,000 in Xcel Energy rebates*
- Tracking energy & water data for 100+ city-owned & operated buildings, totaling 2.3 million square feet



# City Energy Use

## Plans for 2023-2024:

- City building decarbonization planning using DOE grant
- Energy efficiency/decarbonization at Como Zoo campus
  - *Federal \$ for geothermal & heat pumps at Primates Building*
  - *Energy conservation measures (lighting, insulation, window film, etc.) recommended for 20 buildings*
- Installing geothermal at NECC, Wakan Tipi, & possibly the Heights
- LED lighting projects at 10 buildings
- HVAC equipment/controls upgrades at Police HQ & Central Library
- Finalizing Xcel agreement for fleet charging, will greatly enhance ability to pursue fleet EVs



# Energy Benchmarking Ordinance

- Over 600 Buildings Benchmarked in 2022
- 91% compliance! (best among cities in MN)
- Energy used in these buildings represents 23% of all citywide GHG
- DSI/PED collaboration on education and enforcement



# Transportation Actions and Planning

- EV Spot Network/Envie Carshare launched, became the nation's largest electric carshare program
- Secured funding to expand Envie further into the East Side
- Bike Plan Update -- Wabasha Capitol City Bikeway, Minnesota and Kellogg under construction, completion of Grand Rounds on Wheelock Pkwy, Summit Ave. Plan.
- Construction underway Gold Line and B Line, G and H lines funded by State, plans progressing on Riverview and Purple Lines.
- Rethinking I-94
- Transportation Safety Action Plan
- Bikeshare 3.0?



# EV Spot Network/Evie Carshare

- Public charging network powered by Xcel's WindSource Program
  - 30 sites installed to date (St. Paul)
  - 8 more sites by summer 2024
- 1st 100% renewably powered and publicly owned EV carshare in North America
  - 173 vehicles
  - East Side Expansion funded and work beginning

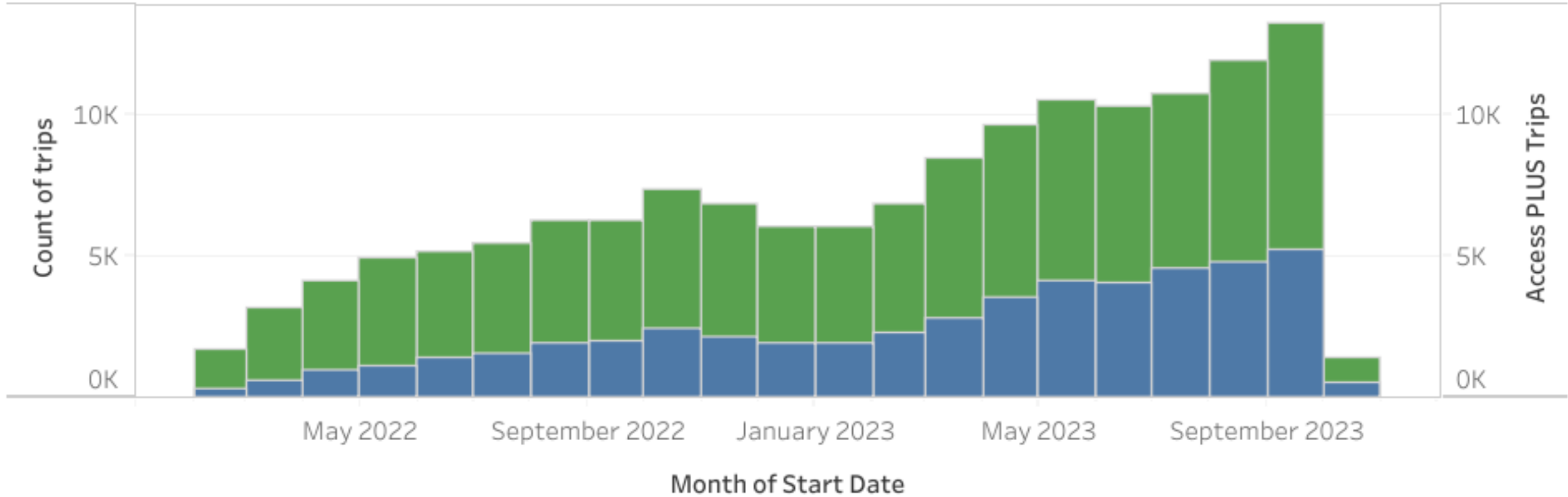






# Evie Carshare Usage To Date

Trips





# Workforce and Green Careers

- County/City Earn and Learn, 2 construction/ green careers programs have launched
- Continuing to build an "ecosystem" of green career pathways via Construction / Green Careers Committee of WIB
- Exploring additional partnership with Saint Paul College