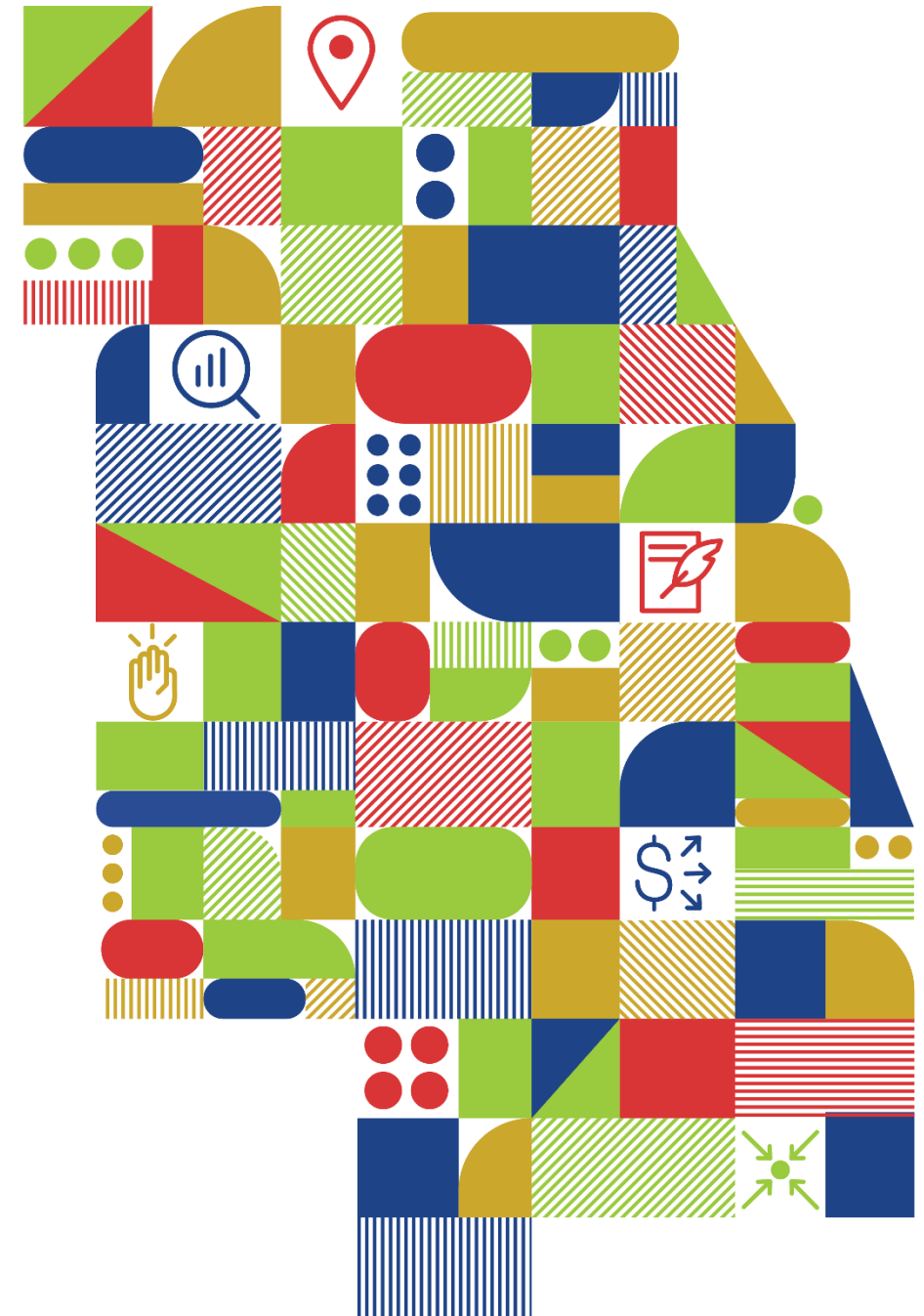




EV's and Climate Smart Transportation: How Electric Vehicles Will Change Our Lives and Landscape

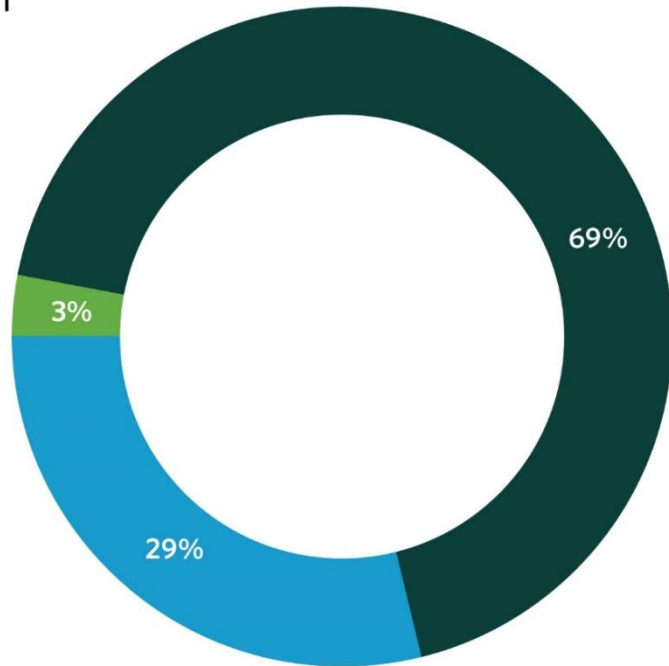
Fox Valley Sustainability Network
2.22.2022



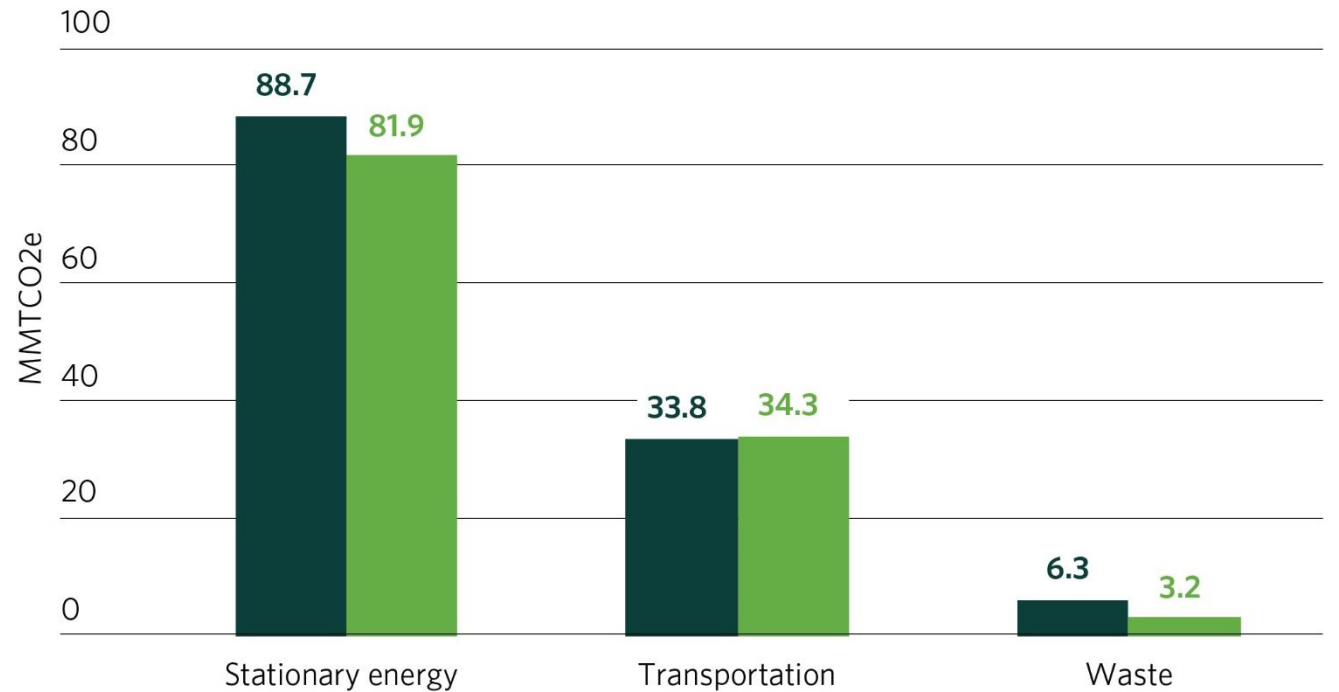
Chicago region greenhouse gas emissions by sector

2015

- Stationary energy
- Transportation
- Waste

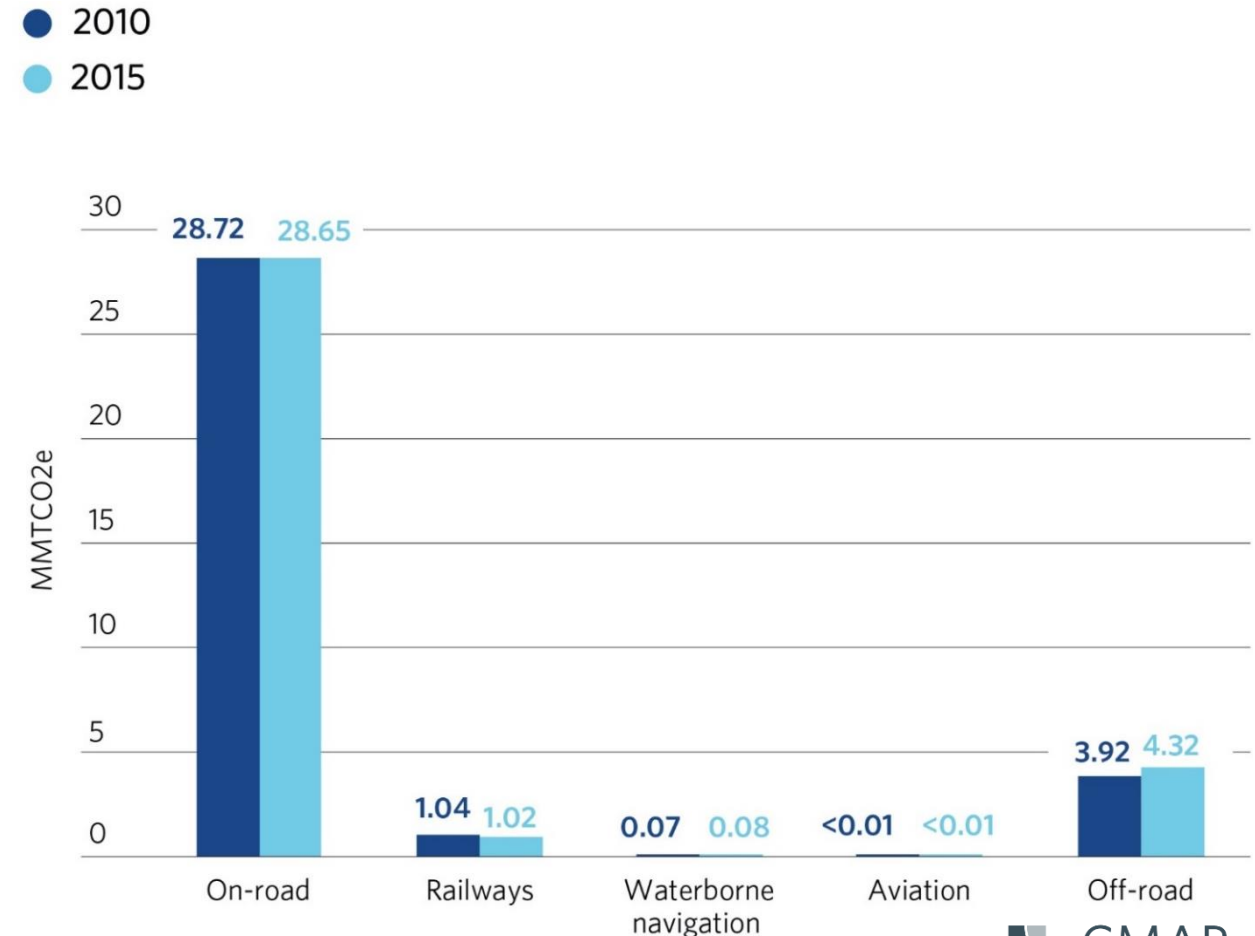
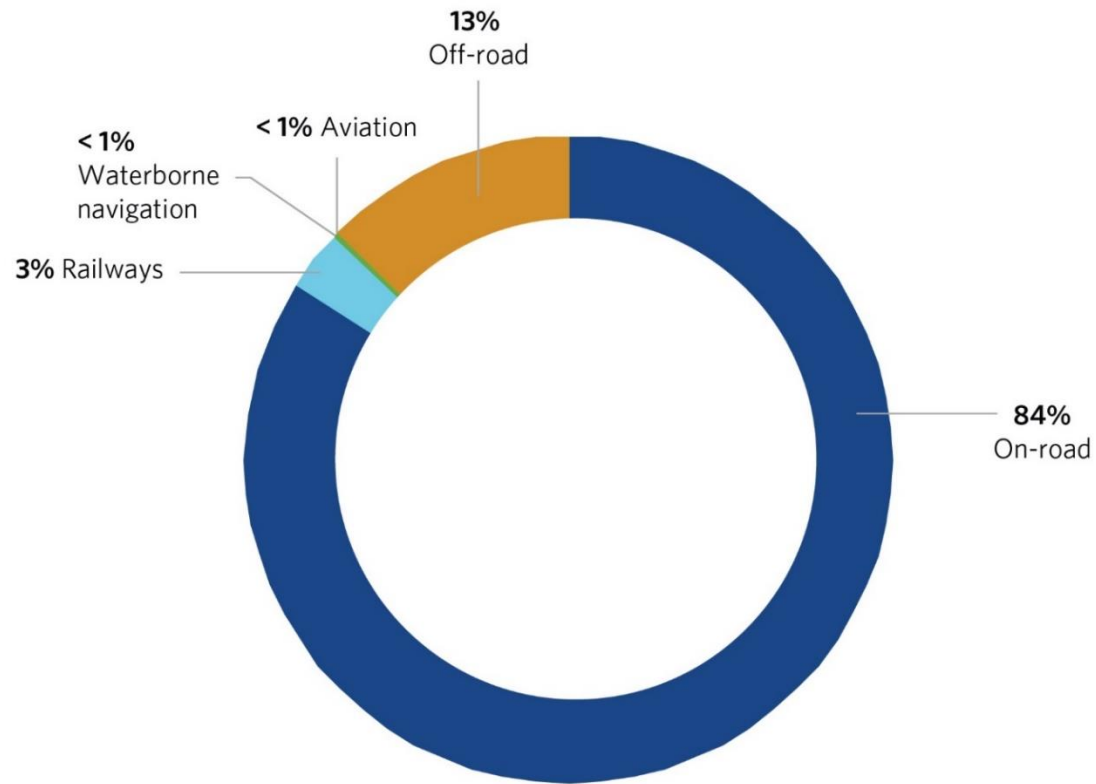


- 2010
- 2015



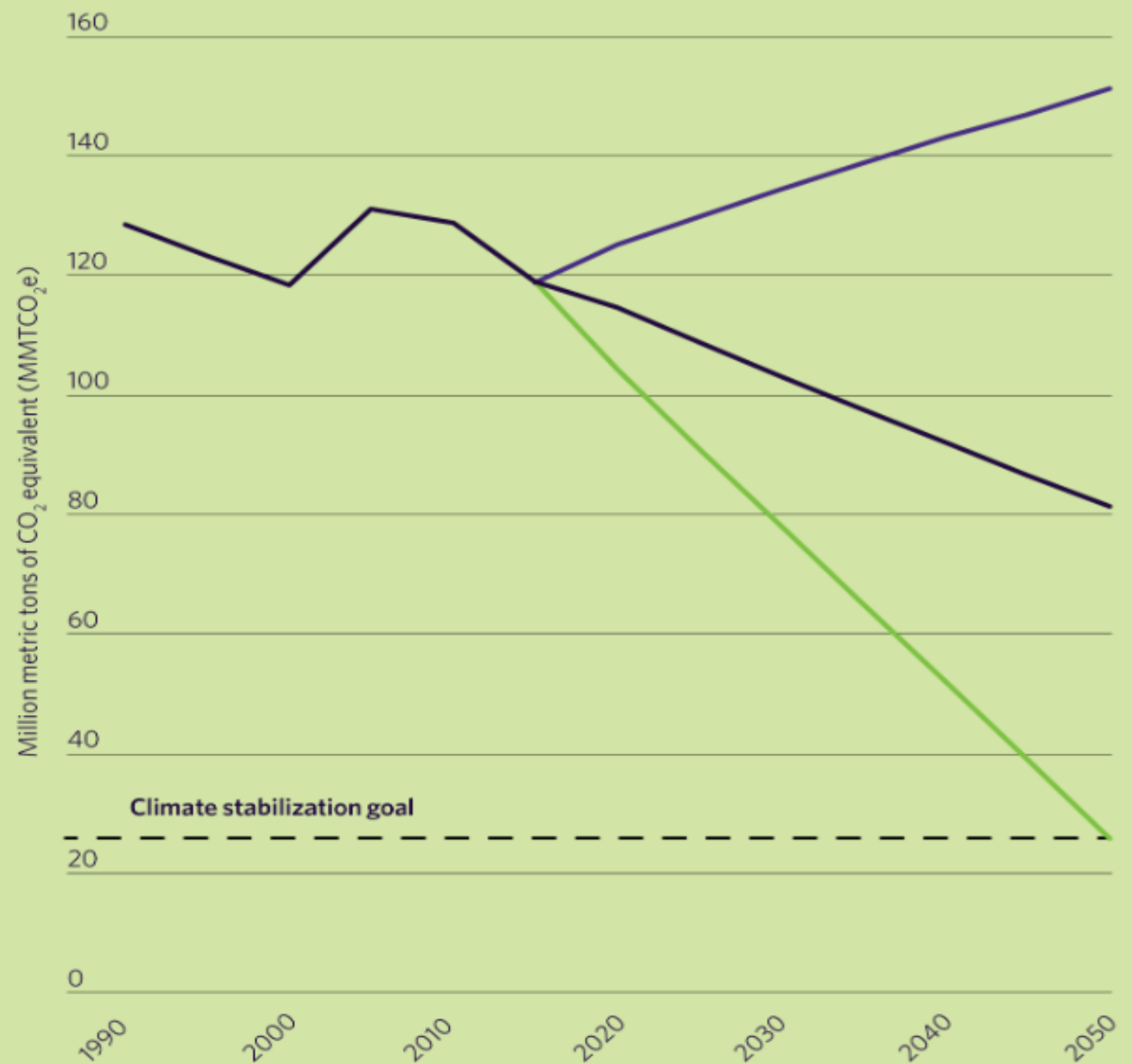
Chicago region transportation emissions

2015



Greenhouse gas emissions projections

- Business as usual
- Current trend
- Climate stabilization path



ON TO 2050 ENVIRONMENT GOAL

A region prepared for climate change

Intensify climate mitigation efforts

Plan for climate resilience

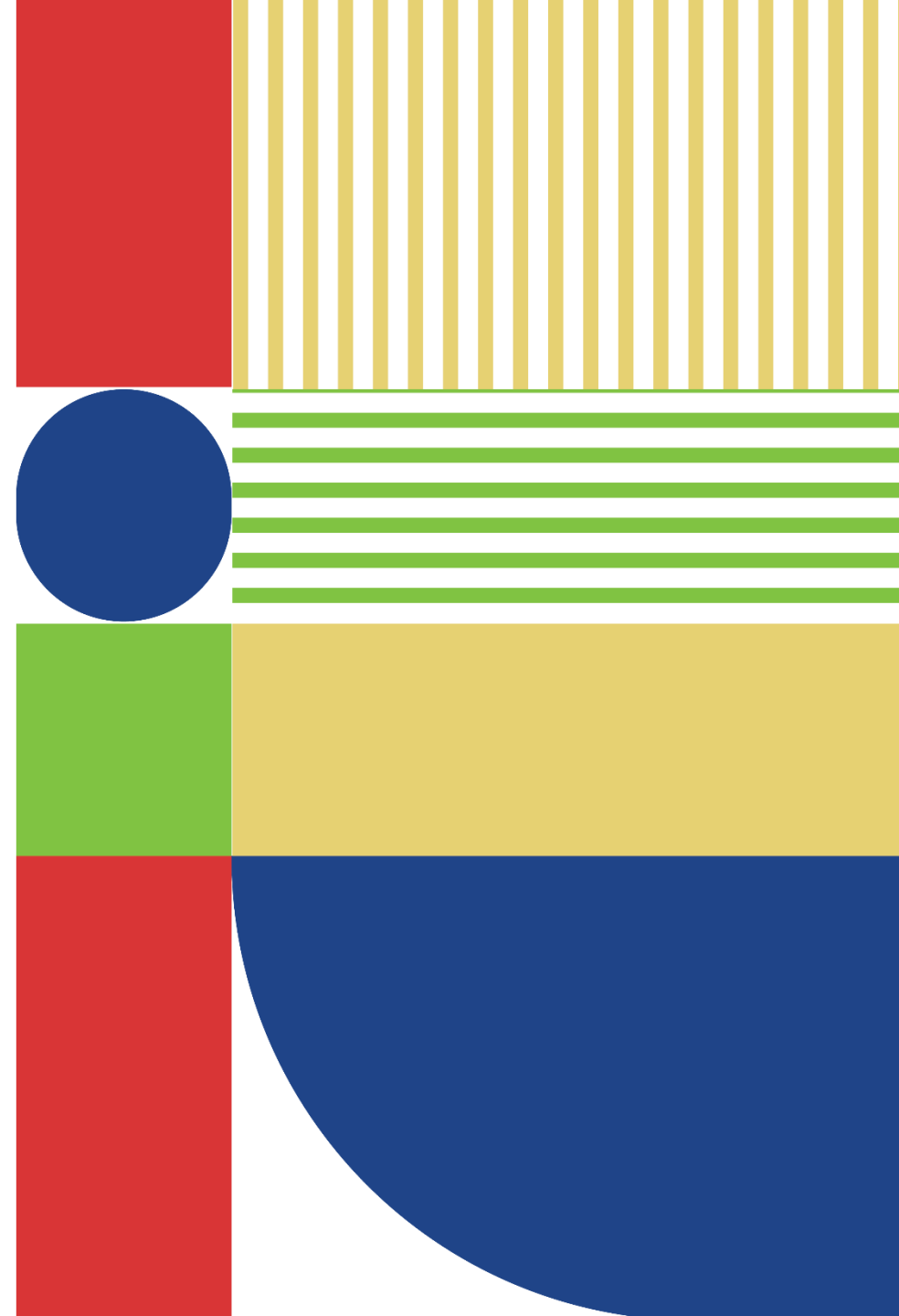
CMAP Climate Portfolio

- **Transportation emissions mitigation plan**
- **Electric Vehicle infrastructure strategy**
- **Greenhouse Gas Inventory**
- **Regional transportation vulnerability assessment**
- **Local climate action and capacity building**
- **Climate data and information**
- **GHG reporting and performance monitoring**
- **Water supply, water quality, stormwater and flooding**

CEJA

Climate & Equitable Jobs Act

1. Just Energy Transition / Equity
2. Energy Efficiency
3. Renewable Energy
4. **Electric Vehicles**
 - Incentives (rebates) for 1 million EVs in Illinois
 - EV charging station grants up to 80% of cost
 - Municipal fleet eligibility, publicly accessible charging stations, and support for private EVCI
 - Beneficial Electrification requirements
 - EV manufacturing incentives

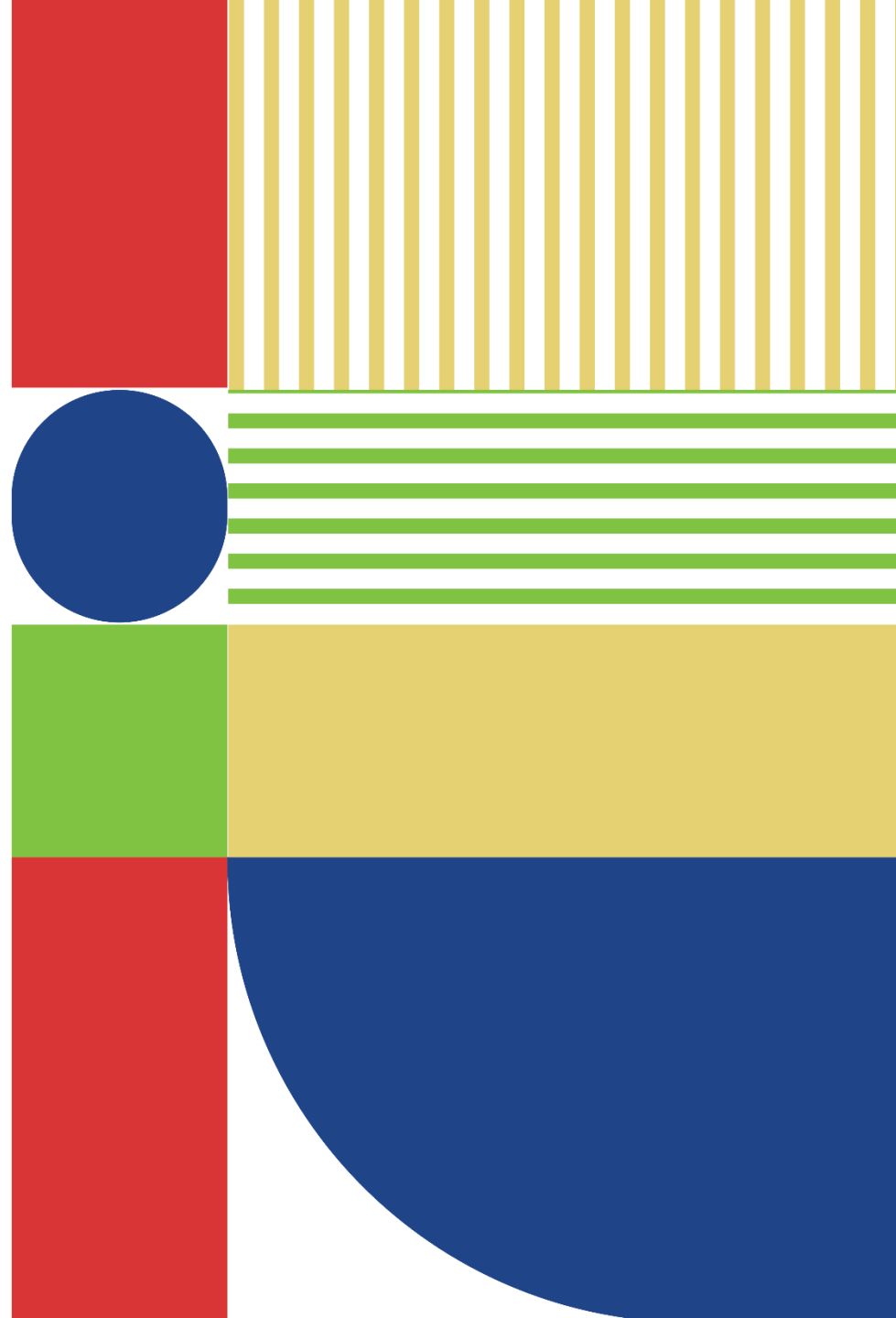


CEJA

Community preparation

- Update codes and ordinances
- Streamline permitting process
- Consider electrifying fleets and school buses
- Plan for publicly-accessible EVCI
- Educate and assist residents, businesses, etc.

CMAP does not currently have an explicit and direct role in CEJA as we do with IIJA.

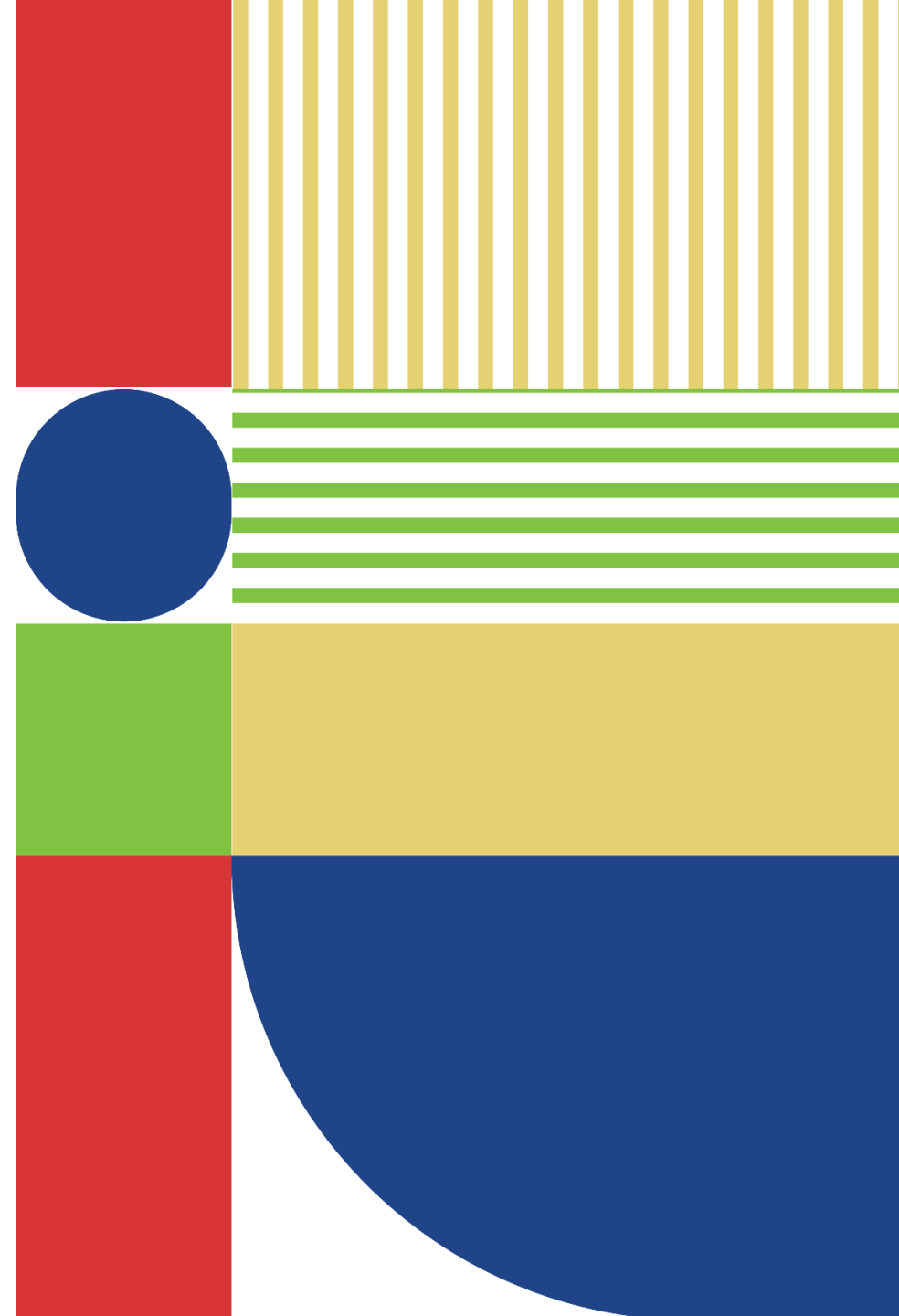


IIJA

Infrastructure Investment & Jobs Act

(aka Bipartisan Infrastructure Law or BIL)

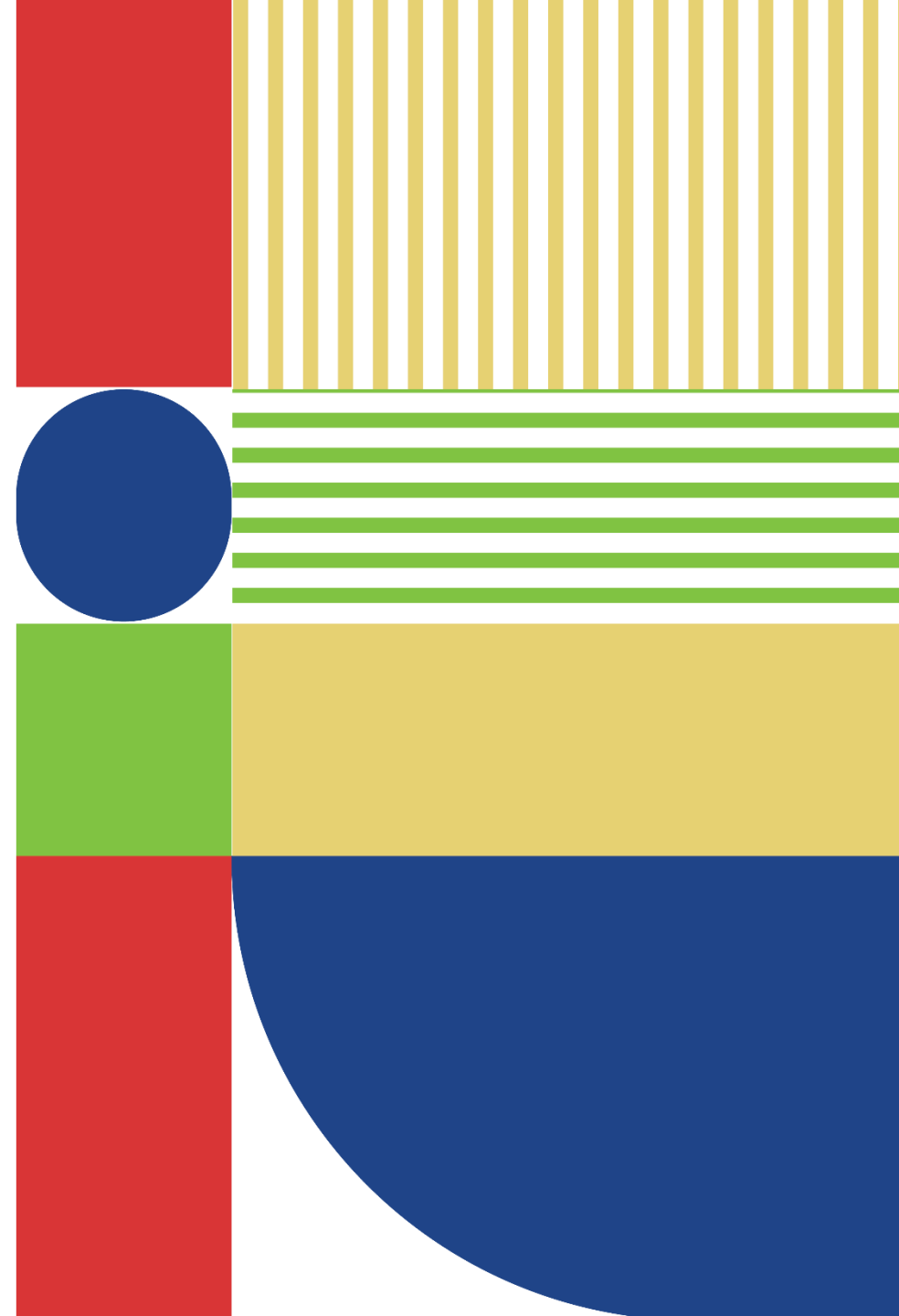
- Transportation (\$284B)
- Power/Energy (\$73B)
- Broadband (\$65B)
- Water (\$55B)
- Resilience (\$46B)



IIJA

Transportation related

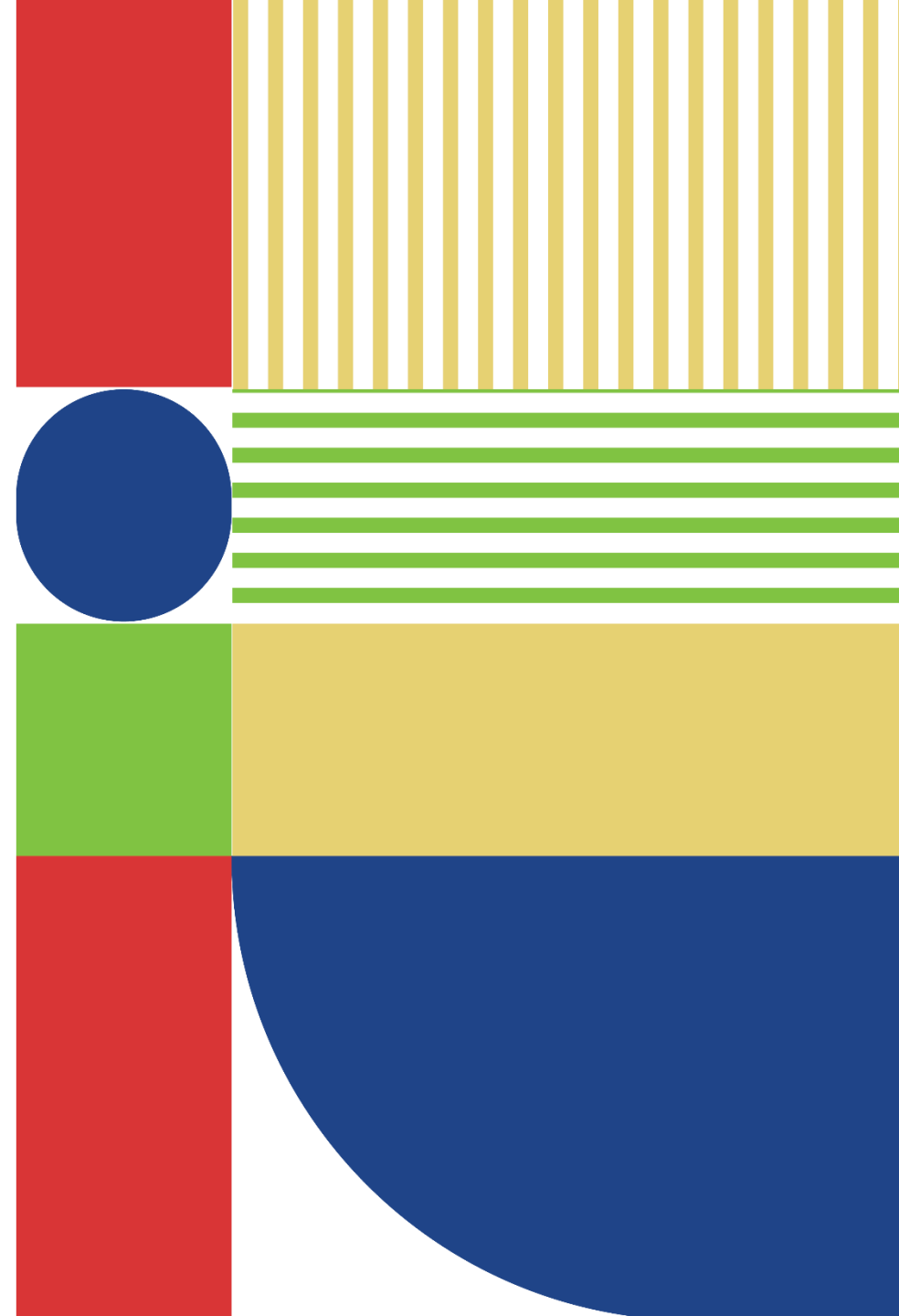
- Highways, roads, bridges
- Climate and carbon reduction
- Rail and public transit
- Resilience



IIJA

Funding and Programs

- Formula Funds / Core Programs
- Competitive / Discretionary Funds
- Existing Programs
- New Programs



IIJA

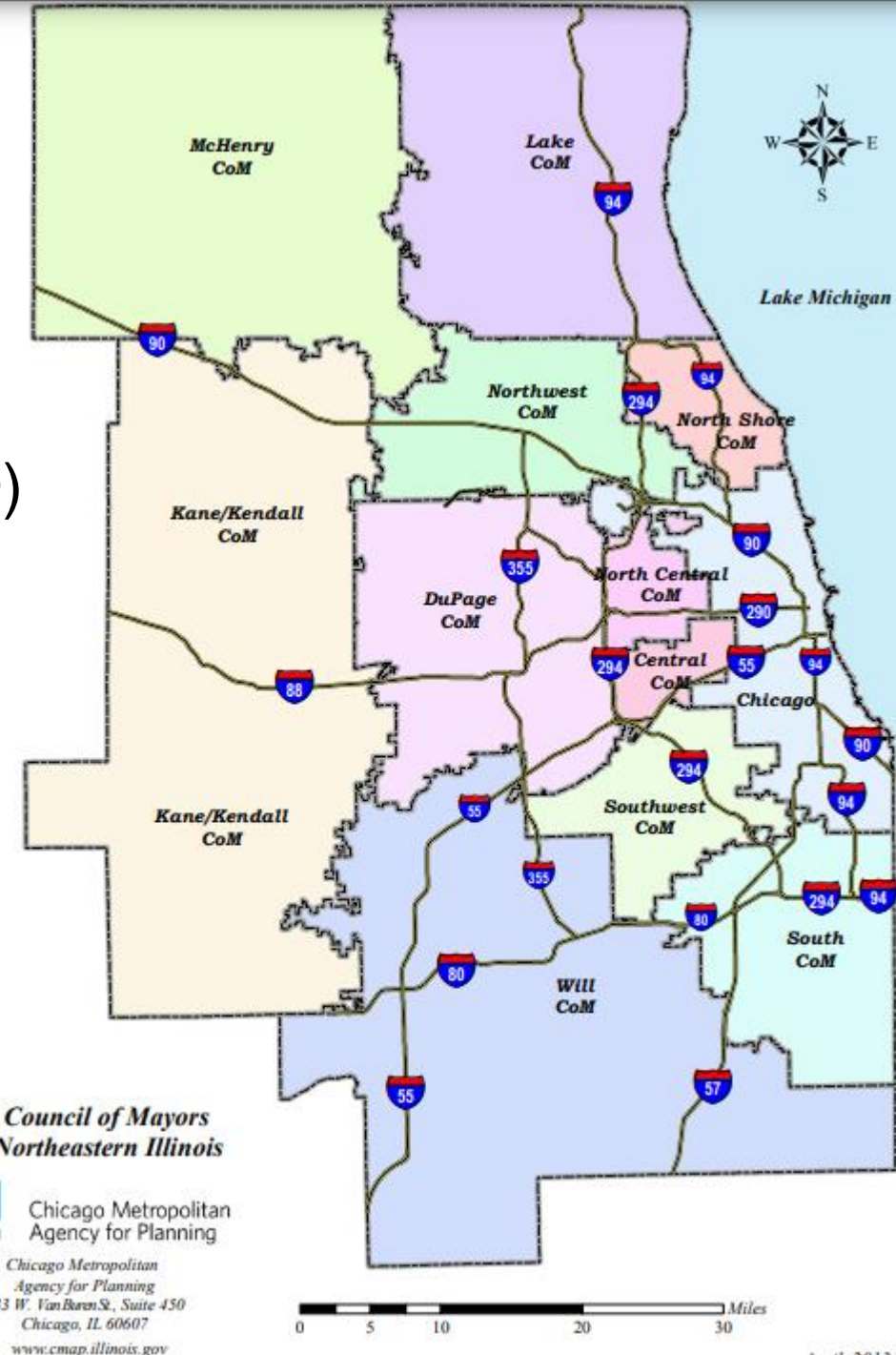
Chicago region funding and programs

Formula Funds (set percentages to state and MPO)

- \$\$ flows from fed agencies to state and CMAP Core Programs (STP, TAP, CMAQ)
- \$\$ distributed by CMAP to transport. agencies and local govts via Councils of Governments

Discretionary Funds

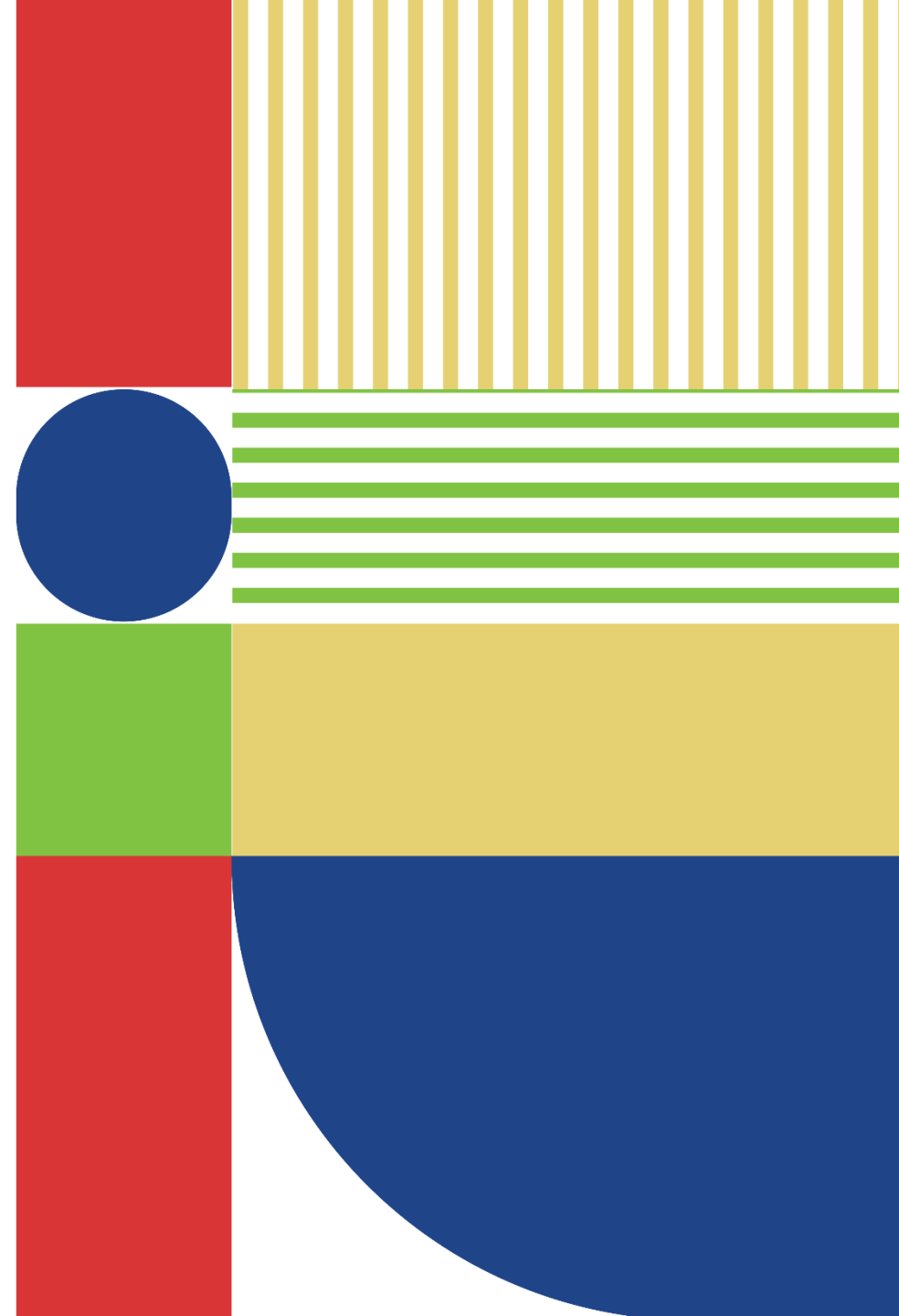
- \$\$ distributed by fed, state to eligible applicants via competitive grants and other mechanisms



IIJA

Chicago region funding and programs

- Existing programs: Increased funding and eligibility (STP, TAP, CMAQ)
- New Core (formula) Programs
 - Bridge Investment (\$1.4B to IL over 5y)
 - National Electric Vehicle Program (\$149M to IL over 5y)
 - PROTECT (\$256M to IL over 5y + competitive funds)
 - Carbon reduction (\$225M to IL over 5y)

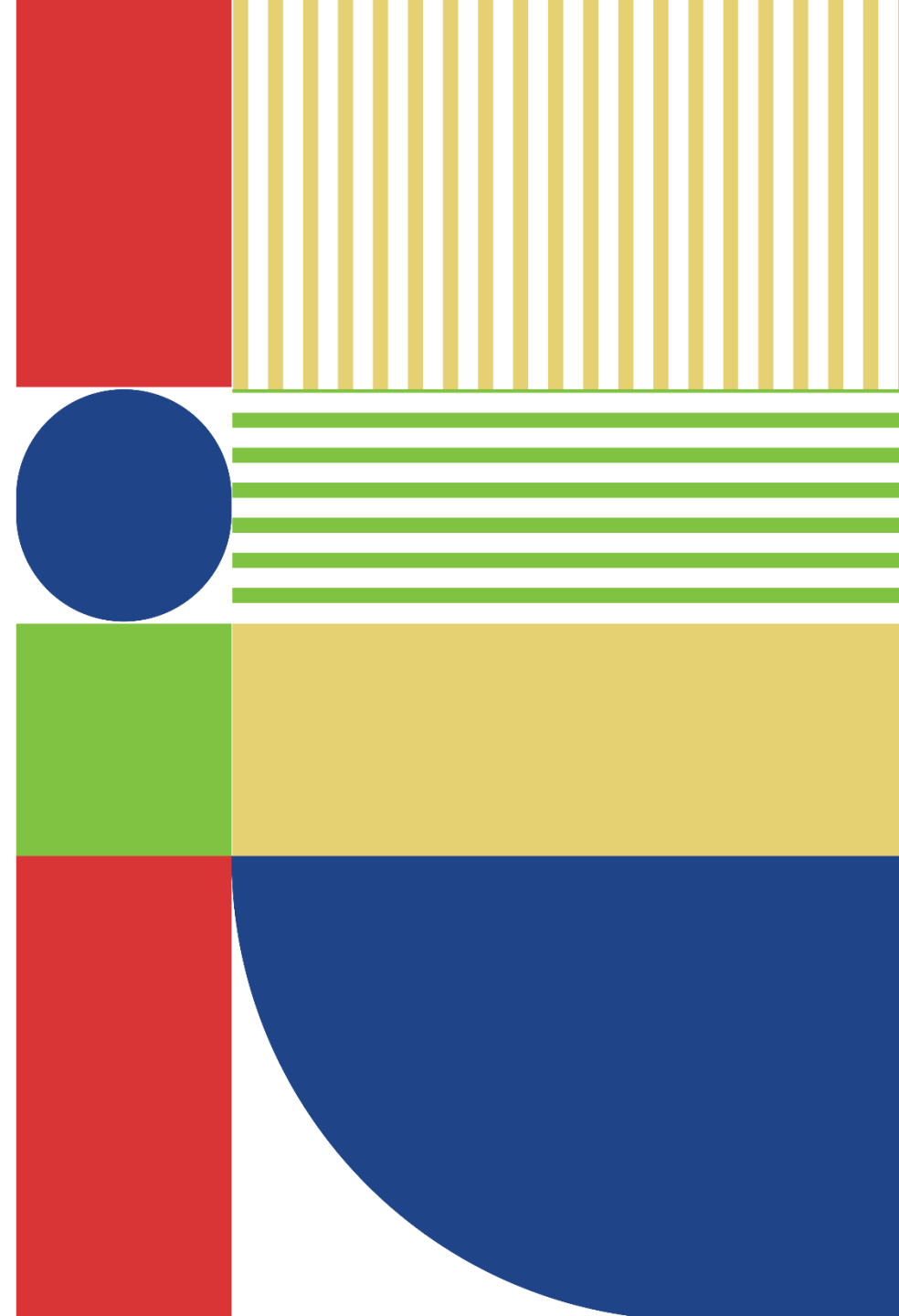


IIJA

Chicago region funding and programs

New Competitive Programs

- Alternative Fuels Corridor Program
- Charging and Fueling Infrastructure for Corridors and Communities
- Electric Buses Vehicle and Infrastructure
- Clean School Vehicle Program
- Medium & Heavy-Duty EV Charging



IIJA

Community preparation

- Dust off your grant writing skills
- Identify partners to work with at multiple levels of government – strength in numbers, avoid intra-regional competition, funders like collabs
- Get to know your Councils of Government, Metropolitan Mayors Caucus, and CMAP
- CMAP will have an explicit and direct role in IIJA. Keep an eye on our website and weekly newsletters.

