



Regional Collaboration



Environment Committee
January 16, 2024



Agenda

- Overview of CPRG
 - Call for project ideas – results
 - Presentation of Project Ideas
 - Feedback
- Join at Menti.com
Use code 5372 4911
<https://www.menti.com/alwyntm7kggo>
- Discussion





Chicago Metropolitan
Agency for Planning

U.S. EPA Climate Pollution Reduction Grants (CPRG) program

Phase 1: Planning

Phase 2: Implementation



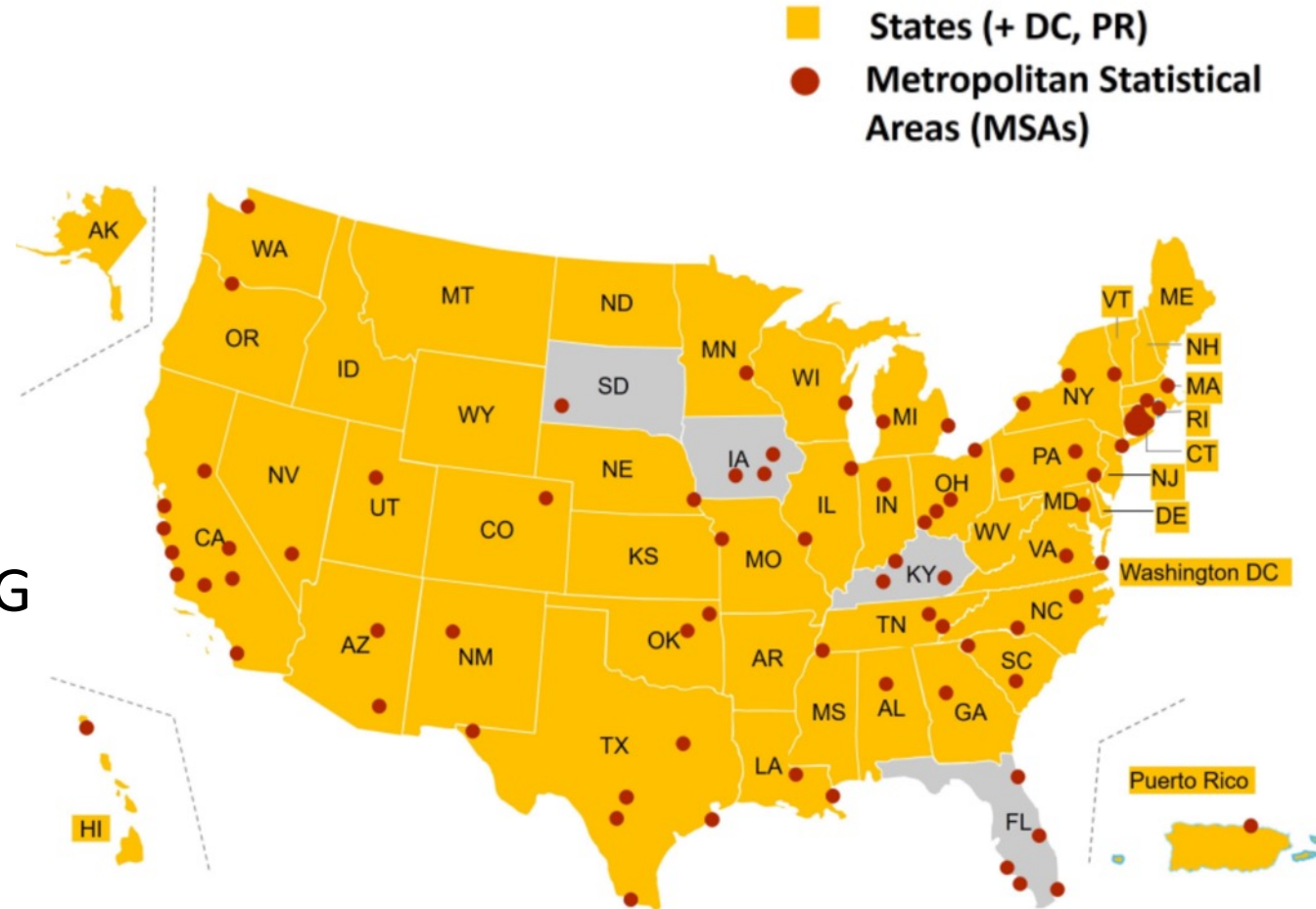
U.S. EPA CPRG objectives

- Develop ambitious plans to reduce greenhouse gas (GHG) emissions and other harmful air pollution
- Fund transformative, large-scale GHG reduction policies, programs, and capital projects
- Benefit low-income and disadvantaged communities



Phase 1: Planning

- **Formula grants** to all states and largest metropolitan statistical areas (MSAs)
- **Climate action plans** for reducing GHG emissions and other harmful air pollution
- **Required plan elements:** stakeholder engagement, GHG inventories and projections, target setting, and Justice 40 considerations, among others



Phase 1: Planning timeline



Priority Climate
Action Plan
March 1, 2024

Comprehensive
Climate Action Plan
Summer 2025

Status
report
Summer 2027

Developing the Chicago MSA PCAP

Goal

To enable Chicago MSA to effectively and collaboratively compete for CPRG phase 2 implementation funds.

- Complete by March 1, 2024
- Draw heavily from NOAA/MMC's **Climate Action Plan for the Chicago Region**
- Include all effective reduction strategies
- Meet U.S. EPA requirements

Current regional mitigation objectives

1. Demonstrate leadership to reduce emissions
2. Decarbonize energy sources
3. Optimize building energy
4. Implement clean energy policies
5. Decarbonize transportation
6. Reduce vehicle miles traveled
7. Manage water and waste sustainably
8. Sustain ecosystems to sequester carbon



LEAD



ENCOURAGE

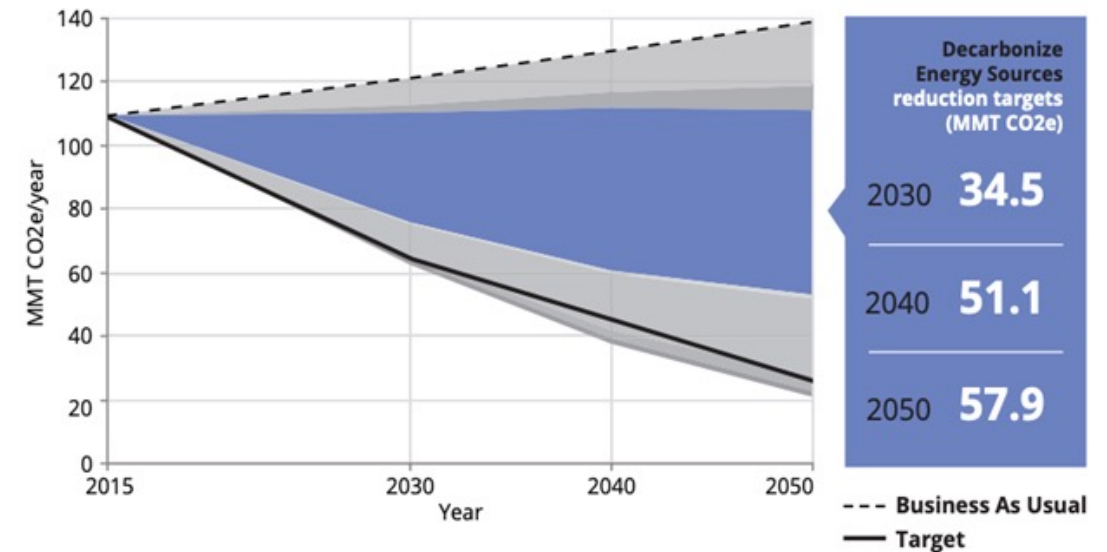


ENACT

Decarbonize energy sources

Sample strategies

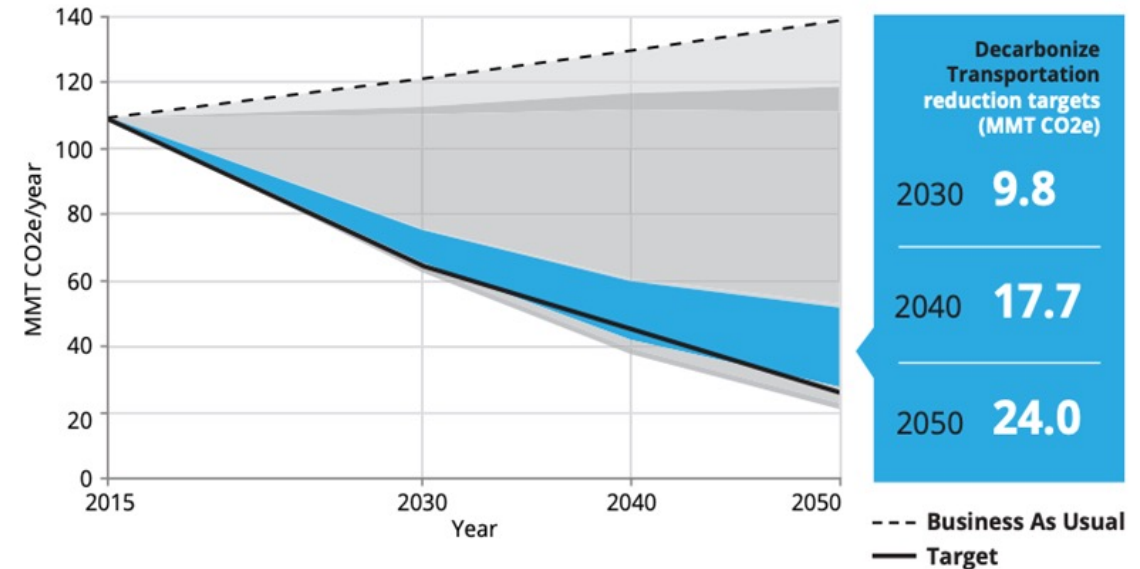
- Build renewable energy and energy storage capacity
- Enable stakeholders to choose clean energy
- Partner with utilities to complete grid decarbonization
- Create renewable energy districts



Decarbonize transportation

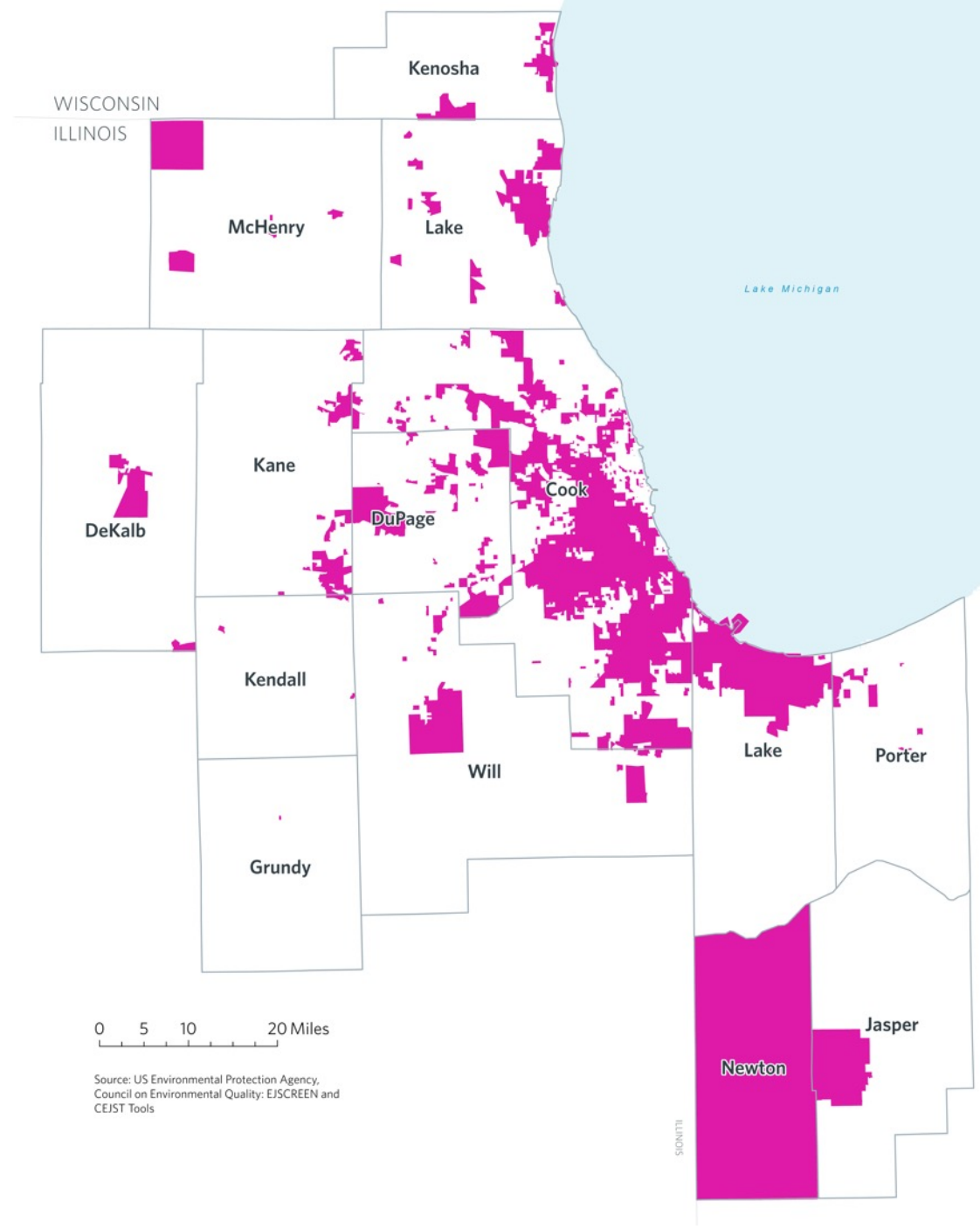
Sample strategies

- Create accessible and reliable networks of EV chargers
- Transition fleets to low- and zero-emission vehicles
- Encourage the switch to electric passenger vehicles
- Enact and enforce anti-idling policies



Low-income and disadvantaged communities map

- Any census tract included as disadvantaged in Climate and Economic Justice Screening Tool
- Any census block group at or above the 90th percentile for any of EJ Screen's Supplemental Indexes compared to the state



Phase 2: Implementation

- **Competitive grants** for strategies and jurisdictions covered by climate action plans
- Proposals due April 1, 2024
- Priority Climate Action Plan defines eligible objectives



Phase 2: Implementation timeline



Funding amounts

- 30-115 grants anticipated
- Anticipated limit of awards geographically
- Focus on diverse geographic coverage

Grant range (millions)	Expected number of grants
\$200 - \$500	4-10
\$100 - \$200	6-13
\$50 - \$100	6-12
\$10 - \$50	6-30
\$2 - \$10	10-50

Fostering Collaboration

Call for greenhouse gas reduction projects in the Chicago MSA

A new funding opportunity could help implement climate action in the Chicago region. The U.S. Environmental Protection Agency (US EPA) has issued a funding notice for Climate Pollution Reduction Grants. To receive funding, submitted projects must be represented in a Priority Climate Action Plan.

The Priority Climate Action Plan for the Chicago MSA is being developed by Metropolitan Mayor's Caucus (MMC) with assistance from the Chicago Metropolitan Agency for Planning and the Northwestern Indiana Regional Planning Commission (NIRPC). The Chicago MSA is composed of 14 counties: Cook, DeKalb, DuPage, Grundy, Kane, Kendall, Lake, McHenry, and Will counties in Illinois; Jasper, Lake, Newton, and Porter counties in Indiana; and Kenosha County, Wisconsin.

Survey still open.
Help us identify
opportunities for
collaboration

cmap.is/pcaprojects



CPRG Project Idea Roundtable



1. Zero-Emission Trainsets Program – **Metra**

- Dustin Clark, Division Manager, Program Development

2. Smart Logistics/ Clean Last Mile Freight – **Governor’s State & Chicago Southland Economic Development Corp**

- Reggie Greenwood, Executive Director at Supply Chain Innovation Center and Business Incubator

3. Biogas from Wastewater Treatment to RNG– **Wheaton Sanitary District & Illinois Association of Wastewater Agencies**

- Matt Larson, Executive Director, Wheaton Sanitary District

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CPRG Project Idea Roundtable



4. Collaborative Community Projects– **Kane County**

- Kristina Murphy, Confluence Climate Consulting
- Sarra Hinshaw & Mavis Bates, Kane County

5. Landscape Equipment Buy-Back Program– **Metropolitan Mayors Caucus**

- Edith Makra, Director of Environmental Initiatives

6. Projects under development:

- **Cook County**
 - Deborah Stone,
- **City of Chicago**
 - Jared Policicchio

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5. Landscape Equipment Buy-Back Program

Edith Makra, MMC

Small engines used in landscape are:

- Source of NO_x
- Source of many pollutants
- Largely unregulated
- Loud
- Comparatively inexpensive
- Ubiquitous
- Equipment operators suffer long-term exposure – often persons of color

5. Landscape Equipment Buy-Back Program

Edith Makra, MMC

Possible approaches:

1. Commercial landscape industry

- Equipment highly used
- Charging challenges
- Equipment performance challenges

2. Residential

- Cooperate with solid waste agencies for take back
- Infrequent equipment use

2. Public sector landscape maintenance

- Easy to implement
- Moderate equipment use

5. Landscape Equipment Buy-Back Program

Edith Makra, MMC

Voucher/ Buy back program – scaled to emissions/duty cycle

Destroy old landscape equipment

Leaf blower bans emerging creates pressure to adapt

Likely partners –

- Illinois Alliance for Clean Transportation
- IBEW
- Lake Michigan Air Directors Consortium
- IL Association of Landscape Contractors
- Solid Waste Agencies
- Municipalities
- *IL Parks & Rec Association*

Other Project Ideas Considered



7. Regionally Significant Active Transportation Projects

- Metropolitan Planning Council
- *Challenge – 5 year timeline too short*
- *Multiple existing funding sources*

8. Transit Investments

- *Challenge – \$500 million not nearly enough*
- *Multiple existing funding sources*

Other Project Ideas Considered



9. Low & Moderate Income Residential Building Decarbonization

- Elevate Energy, Center for Neighborhood Technology, City of Evanston
- *Challenge – Relatively high cost/low emissions reductions*
- *Multiple existing funding sources & programs*

10. Food Waste & Composting

- Illinois Environmental Council
- *Challenge – very small proportion of emissions*

CPRG Project Idea Roundtable



Discussion