CLIMATE POLLUTION REDUCTION GRANTS

U.S. Environmental Protection Agency

Metropolitan Mayors Council Environmental Committee Meeting

September 24, 2024

Behind the Scenes….

- CPRG was placed in the Office of Air
- How do we achieve the most significant amount of GHG reductions?
- Commitment
  - Technical Assistance Forums
  - Provide Support
  - Achieve Meaningful Reductions
  - Plans as Gateway to Success

Two Phase Program

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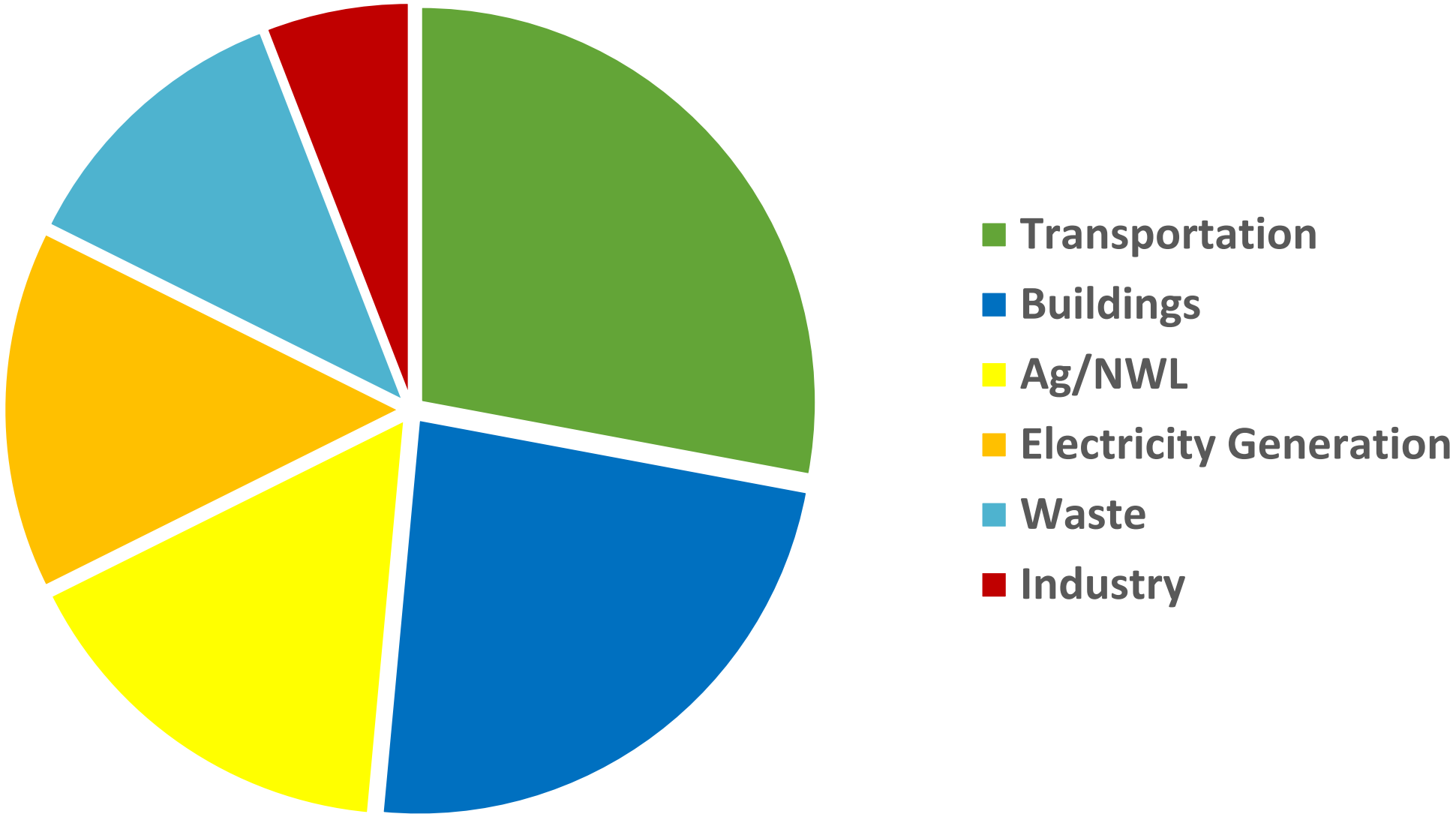
Priority Climate Action Plans

(PCAPs)

Comprehensive Climate Action Plans

(CCAPs)

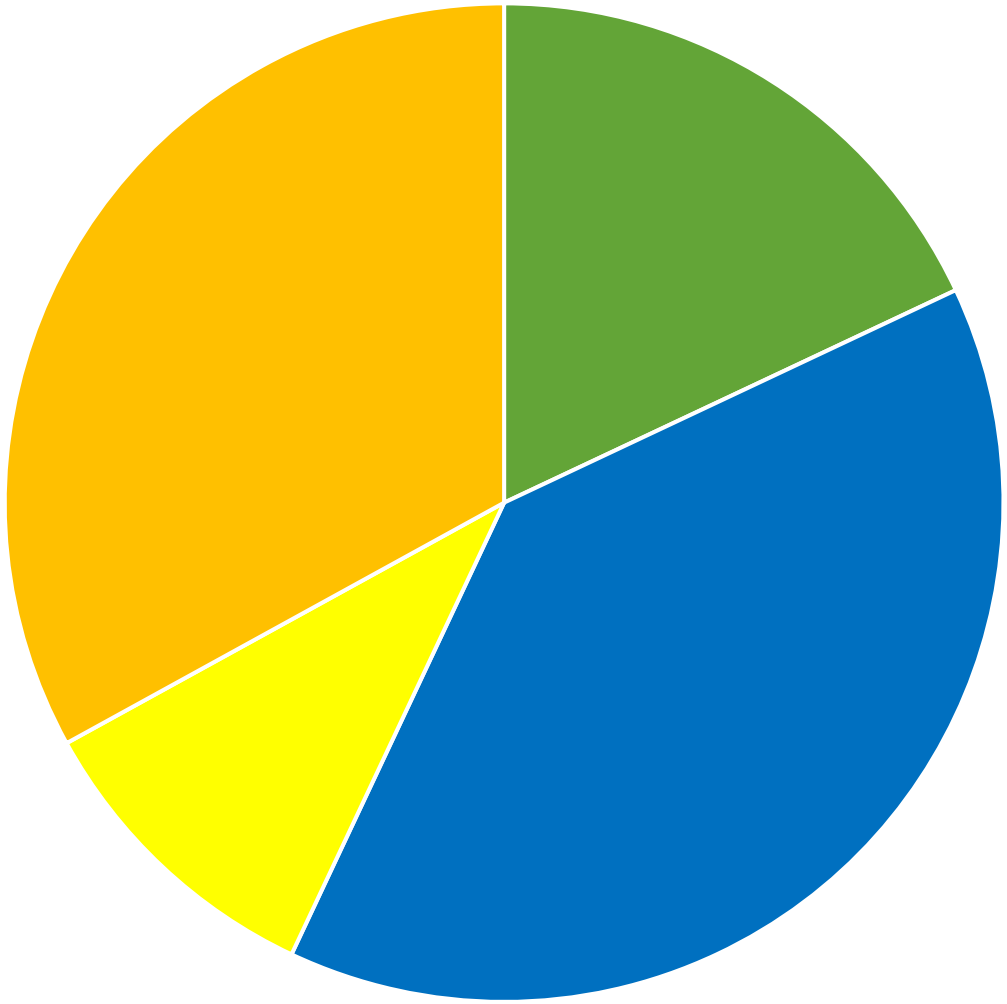
R5 State PCAPs



R5 MSA PCAPs

- Transportation
- Buildings
- Ag/NWL
- Electricity Generation
- Waste
- Industry

R5 Tribal PCAPs



- Transportation
- Buildings
- Ag/NWL
- Electricity Generation

Comprehensive Climate Action Plans

CCAP Preview – Target Setting

- The U.S. has pledged to achieve a 50-52 percent reduction below 2005 levels by 2030 and achieve net-zero emissions by 2050.
- Goals should “not be inconsistent with” the U.S. international commitment to reduce economy-wide emissions 50-52 percent below 2005 levels by 2030 and achieve net-zero emissions by 2050
- “not inconsistent with” does not mean “identical to.” Grantees are not required to adopt the U.S. target.

CCAP Preview – Target Setting

- Grantees should focus their target setting analysis considering the following factors:
  - Emissions sources
  - Mitigation work to date
  - Jurisdiction
  - Science
  - Technical and economic feasibility
  - Your mitigation priorities

- Grantees may use existing GHG targets but are encouraged to update, modify, or expand those targets as appropriate (can use top down, bottom up, or a mixture of goals).

General Competition Program Goals

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Implement **ambitious** measures that will achieve **significant cumulative GHG reductions** by 2030 and beyond

Pursue measures that will **achieve substantial community benefits** (e.g., air pollution reduction), particularly in low-income and disadvantaged communities (LIDAC)

Complement other funding sources to maximize these GHG reductions and community benefits

Pursue **innovative policies and programs** that are replicable and can be "scaled up" across multiple jurisdictions

25 Applications - Investments in 30 States

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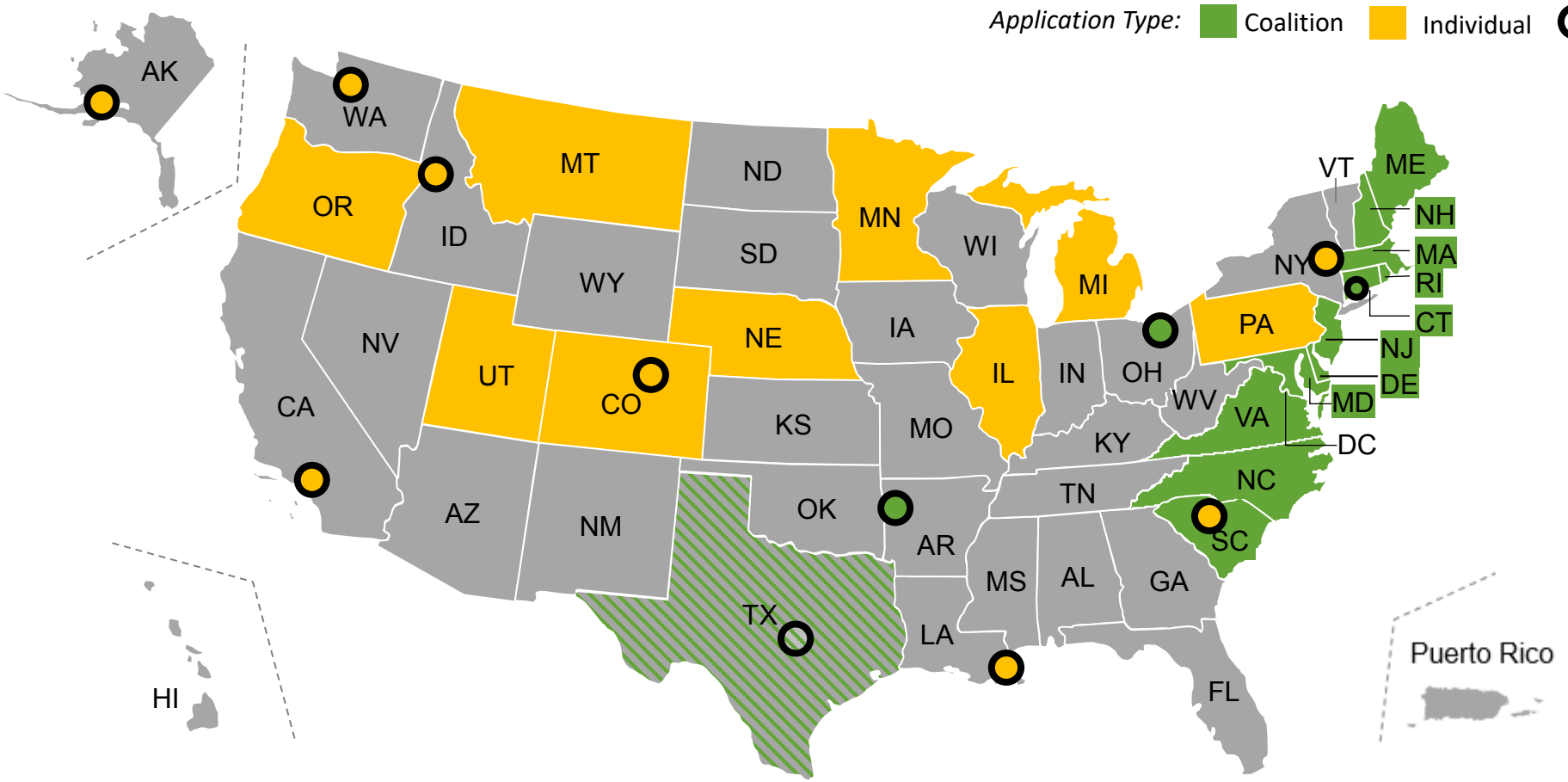

	Coalition	Individual
State	4	9
Local/ Tribal	4	8

Note: State count includes District of Columbia.

Regional Distribution

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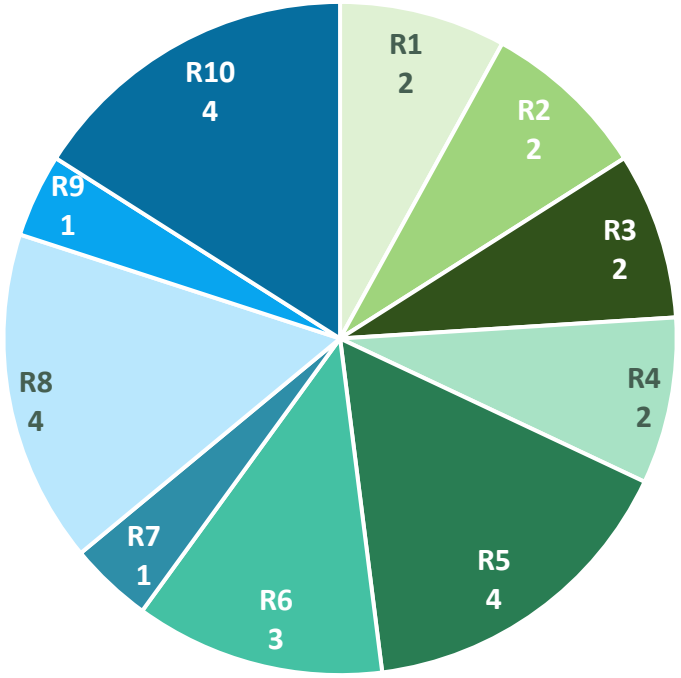
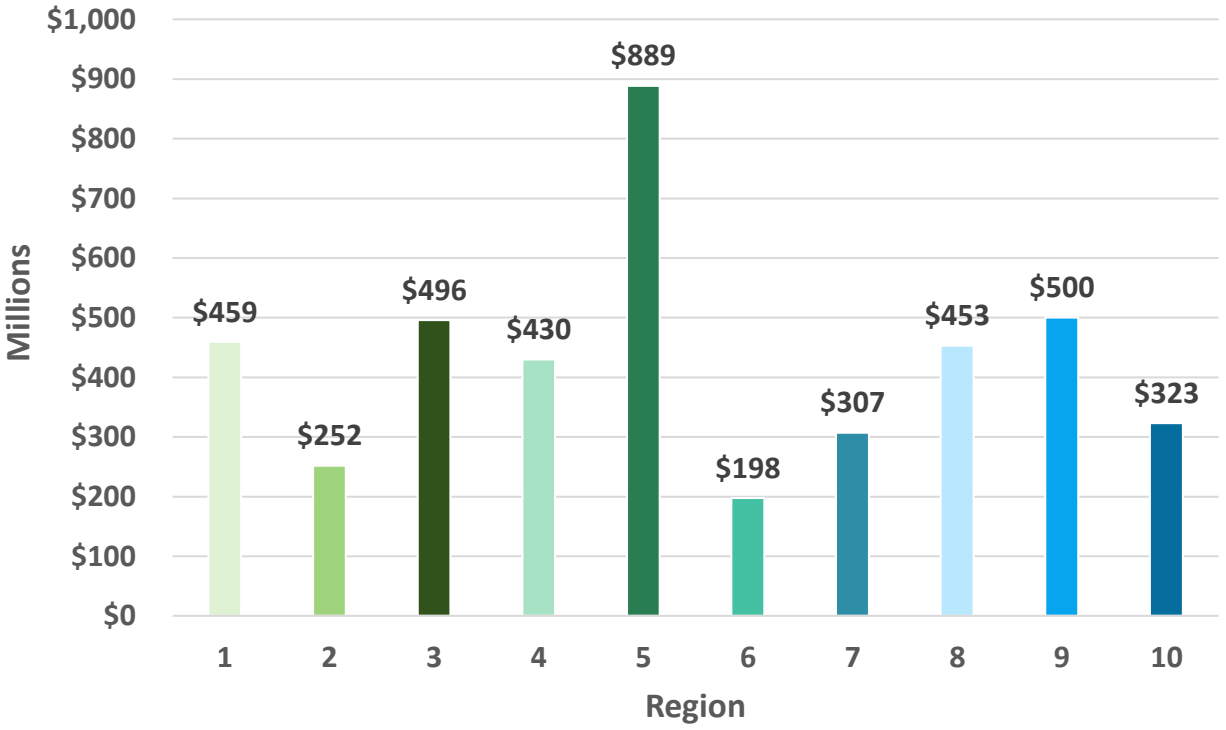
Number of Grants per EPA Regional Office



Estimated Total Funding to be Awarded per Region



Final Selection Fast Facts

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- Grants between $3M-500M

25 applications selected
- 8 coalition applications
- 17 individual applications

- Funding in 30 states (at the state or local level) and 1 Tribe

ELECTRIC POWER | TRANSPORTATION | INDUSTRY | RESIDENTIAL & COMMERCIAL BUILDINGS | WASTE AND MATERIALS MANAGEMENT | AGRICULTURE/ NATURAL & WORKING LANDS

- Selected applications include measures in all sectors

Estimated GHG reductions
- By 2030: up to 144 million MT*
- By 2050: up to 971 million MT*

- Benefits to LIDAC anticipated to meet or exceed J40 goals

*Cumulative GHG reductions. Estimates reflect values submitted in selected applications and do not reflect potential changes due to partial funding.

Transportation

$1.18 billion in CPRG funds

- Charging infrastructure for zero-emission freight trucks along hundreds of miles on some of the nation's busiest freight traffic corridors
- Incentives to deploy 6,200 light-duty electric vehicles; 1,750 electric trucks; 4,270 electric chargers; 18 electric locomotives; and 28,000 bicycles including bikeshares and electric bikes
- Measures that would reduce up to 3 billion vehicle-miles-traveled (VMT)

Buildings

$1.06 billion in CPRG funds

- Incentives for energy efficiency measures in nearly 700,000 residences, including to deploy an estimated 580,000 heat pumps
- Efficiency measures in approximately 50 million square feet of commercial buildings
- Energy efficiency improvements in 250 public buildings

Agriculture and Natural and Working Lands

$931 million in CPRG funds

- Up to 250,000 acres of coastal and forest lands reforested, restored or protected
- Grants and incentives to support precision agriculture and climate-smart agricultural practices on more than 2 million acres
- Reductions in nitrous oxide emissions equivalent to 15 million tons CO_2

Industry

$636 million in CPRG funds

- Approximately $500 million for state-level grants to fund hundreds of projects that reduce GHGs from industrial facilities
- Measures to reduce methane emissions from coal mines and oil and gas production equivalent to 3.7 million metric tons of CO_2 by 2030

Electric Power

$372 million in CPRG funds

- Incentives to support deployment of up to 19,000 megawatts of solar and wind generation by 2030
- Re-development of brownfields and landfills to support renewable energy

Waste and Materials Management

$121 million in CPRG funds

- As many as 100 projects to capture methane from landfills and reduce emissions equivalent to approximately 4 million metric tons CO_2 through 2030
- Millions of tons of food and organic waste diverted from landfills

Anticipated Award Amount	$199,999,999	
Applicant	Minnesota Pollution Control Agency	
Application Title	Minnesota Climate-Smart Food Systems	
Sectors	Agriculture and Natural and Working Lands Buildings Industry Transportation Waste and Materials Management	
Estimated GHG Reductions [1]	**Cumulative 2025-2030:** **3.5** million metric tons CO_2 equivalent	**Cumulative 2025-2050:** **19** million metric tons CO_2 equivalent

Anticipated Award Amount	$129,104,391	
Applicant	Michigan Department of Environment, Great Lakes, and Energy/Office of Climate and Energy	
Application Title	Accelerating Siting, Zoning, and Permitting of 60% Renewable Energy in Michigan	
Sector	Electric Power	
Estimated GHG Reductions [1]	**Cumulative 2025-2030:** **77.0** million metric tons CO_2 equivalent	**Cumulative 2025-2050:** **456.0** million metric tons CO_2 equivalent

Anticipated Award Amount	$129,396,997	
Coalition	Lead Applicant: Cuyahoga County (Ohio) Coalition Members: City of Cleveland and City of Painesville	
Application Title	Municipal Empowerment for Clean Energy and Conservation (MECEC)	
Sectors	Agriculture and Natural and Working Lands Electric Power	
Estimated GHG Reductions [1]	**Cumulative 2025-2030:** **0.14** million metric tons CO_2 equivalent	**Cumulative 2025-2050:** **0.66** million metric tons CO_2 equivalent

Anticipated Award Amount	$430,251,378
Applicant	Illinois Environmental Protection Agency
Application Title	State of Illinois: Climate Pollution Reduction Grant Implementation Grant
Sectors	Agriculture and Natural and Working Lands Buildings Electric Power Industry Transportation
Estimated GHG Reductions [1]	**Cumulative 2025-2030:** **8.5** million metric tons CO_2 equivalent **Cumulative 2025-2050:** **57.4** million metric tons CO_2 equivalent

Implementation Grants:
59 Total Applications Across the Country

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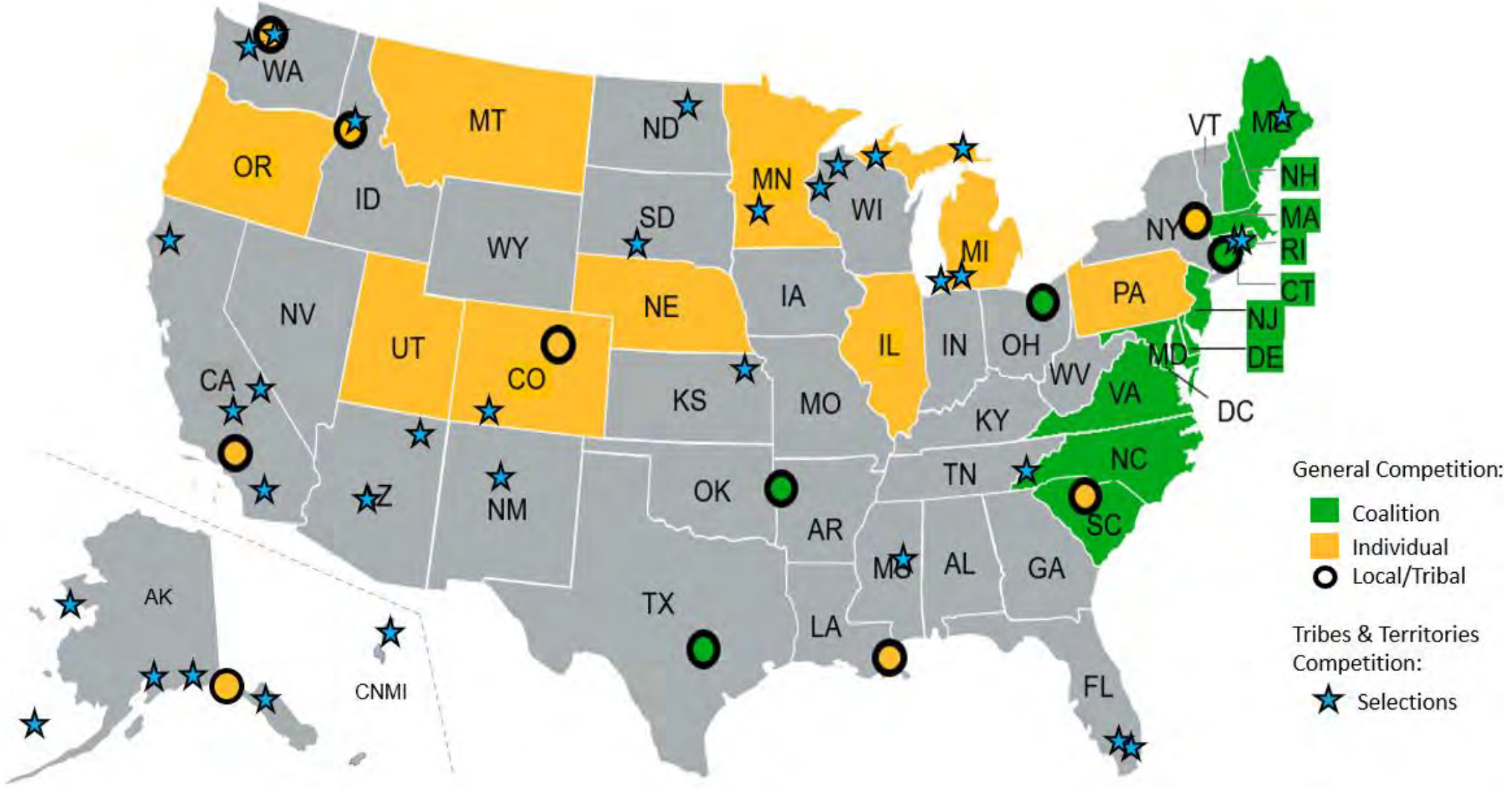
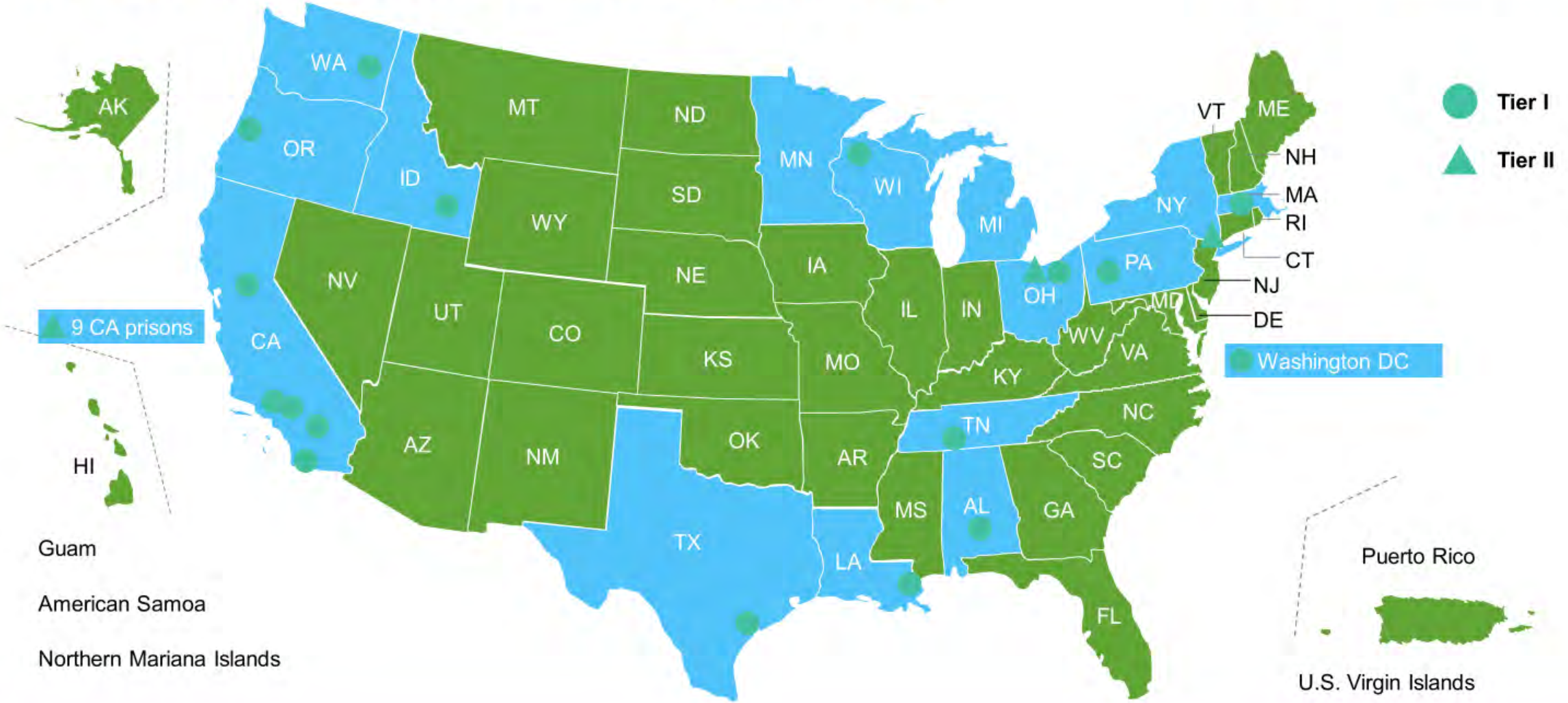


21 Selections to Benefit Communities in 16 States and Washington, D.C.

COMMUNITY CHANGE GRANTS
Environmental and Climate Justice
U.S. Environmental Protection Agency



Local Government Opportunities

- Short list of funding opportunities for local governments here.

- CPRG national meeting in at the beginning of September – see the slide deck from Day 3 on In-Person Workshop folder

- Stay involved with the Illinois CPRG projects as they unfold. The technical leads for the project are Erin Newman and Victor Schultz.