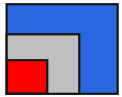


Climate Pollution Reduction Grant

Kane County Coalition Meeting

January 12, 2024

Kristina Murphy

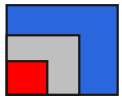


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Confluence Climate Consulting LLC (C³)

Agenda

- Updates
- Plan Ideas
- County / participant roles - grant application
- Budget examples
- County / participant roles - award implementation
- Staffing ideas
- Milestones for grant application
- Feedback



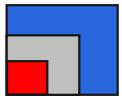
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Updates

Focus on reducing emissions from Energy, Buildings, and Transportation sectors

EPA Updates

- 12/12 NOFO revised
 - Notice of Intent rather than MOA, MOA deadline extended to July
 - Clarified eligible agencies (wastewater reclamation, forest preserves)
- 12/18: Guidance on how to compute emissions reductions
- www.epa.gov/inflation-reduction-act/about-cprg-implementation-grants



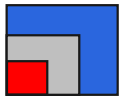
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Updates

Meeting with CMAP and MMC on 12/18 regarding the PCAP

The implementation plan and programs should be:

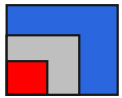
- Transformative
- Regional impact
- Scalable
- Repeatable
- How can this work continue after the grant ends (2030 – 2050)?



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Plan Ideas

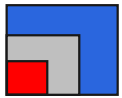
- **Group buys** (solar, battery storage, geothermal heat pumps, cold climate air source heat pumps, electric vehicle (EV) chargers for multi-family buildings)
- **Rebates** (electric landscape and snow removal equipment, personal EV chargers)
- **Conversion program** (replace gas motor with electric for commercial landscape equipment)
- **Education and outreach** (communitywide and targeted energy efficiency and benchmarking, electrification, renewable energy, financial incentives)
- **Your ideas?**



Roles - Grant Application

County lead role:

- Complete and submit the application
 - Workplan (measures, milestones, timeline)
 - Compile budget
 - Calculate emissions reductions, assumptions, and cost effectiveness
 - List metrics for reporting
 - Compile Environmental Justice data
 - Gather grant past performance
- Draft a Notice of Intent and/or Memo of Agreement for State's Attorney review
- Coordination with MMC/CMAP re: PCAP
- Request letters of support from local community

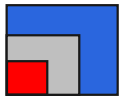


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Roles - Grant Application

Participant role:

- Provide detailed budget costs
- Provide measurable impacts
- Provide input on the workplan (programs, policies, staffing needs)
- Provide permitting data, if available
- Have Attorney review and Board/Council approve the Memo of Agreement
- Inform County if anything is confidential
- Request letters of support from local community



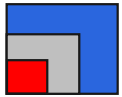
Budget Examples

Measurable impacts for municipal projects

Please provide by 2/2

- Renewable energy – how much electricity will be generated or stored annually (kilowatt-hours)
- Transportation – Vehicle Miles Traveled reduced (miles); petroleum fuels decrease (gallons); electricity source for EVs (grid vs renewable)
- Buildings – reduction in electricity and gas usage (kilowatt-hours avoided, therms of gas avoided)
- Document assumptions

www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

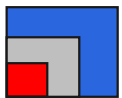


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Budget Examples

Measure: Renewable Energy		CPR Budget Request						
Item Name	Description	Subrecipient	FY25	FY26	FY27	FY28	FY29	Total for 5 years
ANY-01: Solar system on Judicial Center	Bid out the equipment and installation of 40 kW of solar panels on Judicial Center. Estimated annual electricity production: 55,800 kwh.	Any County	\$0	\$50,000	\$50,000	\$0	\$0	\$100,000

Need these numbers by 1/22



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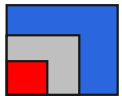
Federal FY is:
Oct 1 to Sept 30

Budget Examples

Project Total Cost	Other Incentives	Description of other incentives	Year put in-service	Emission Reduction Estimates					
				Estimated Carbon Reduction Annually (CO2e metric tons)	Estimated Carbon Reduction Lifetime (CO2e metric tons)	Years in Service (2025-2030)	Reporting Period: 2025-2030 CO2e metric tons	Years in Service (2025-2050)	Reporting Period: 2025-2050 CO2e metric tons
\$200,000	\$100,000	Federal direct pay: \$60,000 Illinois Shines program: \$40,000	2028	39.5	987.5 Assume 25-year life	3	118.5	23	908.5

← Community provided

These values were calculated from the system size and estimate of annual production.



Budget Examples

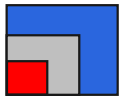
Measure:		CPR Budget Request										
Buildings												
Item Name	Description	Subrecipient	FY 25	FY 26	FY27	FY28	FY 29	Total for 5 years	Project Total Cost	Other Incentives	Description of other incentives	
ANY-10: Weatherization and Efficiency Improvements on Judicial Center	Bid out the equipment and installation of energy efficiency improvements to the Judicial Center building.	Any County										
	Emission reductions: Estimated annual electricity savings: 800 kwh. Estimated annual methane gas savings: 200 therms.											
	Total project costs:		\$0	\$0	\$110,000	\$56,000	\$0	\$166,000	\$230,000	\$64,000		
	Insulation: \$50,000 - \$20,000 = \$30,000				X						DOE Rebate: \$20,000	
	Windows: \$100,000 - \$20,000 = \$80,000				X						DOE Rebate: \$20,000	
Geothermal heat pump system: \$80,000 - \$24,000 = \$56,000						X					Federal direct pay: \$24,000	

Budget Examples

Incentives

- Federal
 - Direct pay for renewable energy, geothermal, vehicles, EV chargers
 - NEVI and CFI grants
- State of Illinois
 - EV charger grants, rebates
 - Illinois Solar Renewable Energy Credits (SRECs)
 - Illinois Solar for All – Community-Driven Community Solar

Do you have these references?



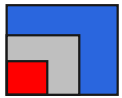
Roles - Implementation of Award

County role:

- Contract out technical managers, community managers (as requested), and education/outreach, incentive programs
- Contract out semi-annual and final reporting
- Provide subawards for third-party projects; contract out financial management and audits

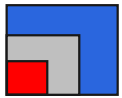
Participant role:

- Subrecipients accept subawards and follow through on projects
- Provide a workspace for community manager on-site, meeting space
- Share news and actively promote programs via your website and social media
- Participate in training and community events
- Provide metrics and upcoming schedule for semi-annual reporting to third-party



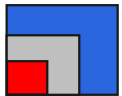
Staffing Ideas

- Decarbonization Program Lead
- Renewable Energy Manager
- Transportation Decarbonization Manager
- Residential Buildings Decarbonization Manager
- Non-residential Decarbonization Buildings Manager
- Decarbonization Data Manager
- Decarbonization Education and Outreach Manager
- Community Decarbonization Managers (located at local government offices)
- Summer interns (matched with Community Managers)
- Website Analyst (PT)
- Decarbonization Financial Manager
- Financial Auditor



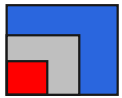
Staffing Ideas

- **Do you need a Community Manager (full-time or part-time)?**
 - Manages your subaward projects
 - Gathers metrics for reporting
 - Assists in organizing, promoting, and participating in education and outreach
 - Works with Communications to share information on website and social media
 - Serves as a point of contact for staff, elected officials, residents, and businesses



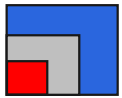
Application Milestones

- List of projects to County – ~~Mid-December~~
- Draft Memo of Agreement (MOA) – in-progress
- Finalize list of communities participating – 1/25/24
- Send Notice of Intent to EPA - <2/1/24
- Draft workplan – Mid-January
- Draft budget – Late January
- Final Memo of Agreement (MOA) – Mid-February
- Final workplan – Mid-March
- Final budget - Early March
- Draft/Final technical appendices – Early March

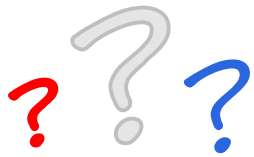


Feedback

- Provide us feedback on:
 - Programs (rebates, group buys, etc.)
 - Policies/ordinances
 - Metrics
 - Staffing needs
 - Equipment needs
 - Municipal projects costs and impacts
 - Memo of Agreement / Notice of Intent
- Think about how this work can continue after the grant ends (2030 – 2050)



Question & Answer

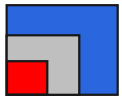


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