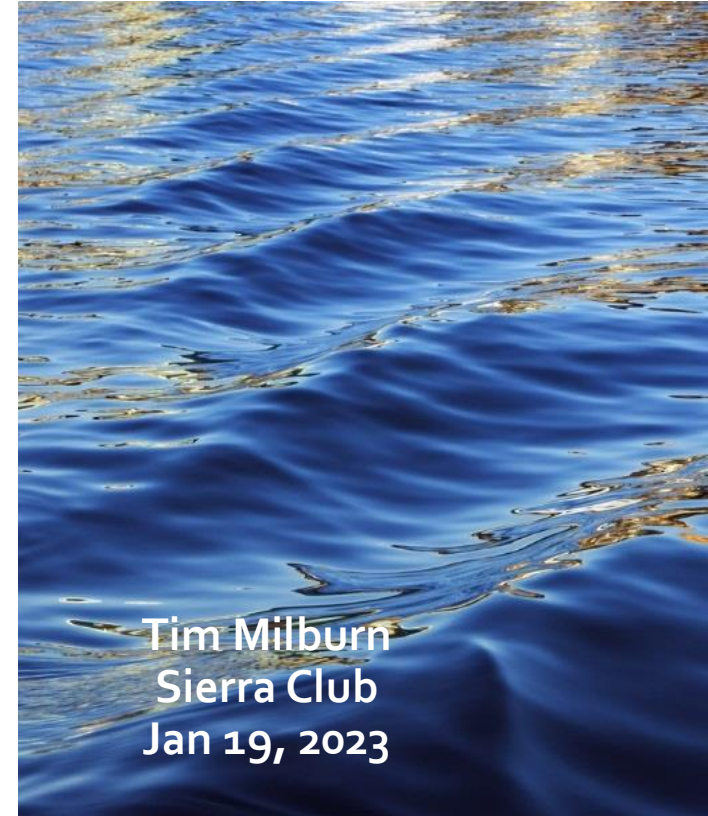


# Ideas for Local Climate Actions

NW Cook County Sierra Club

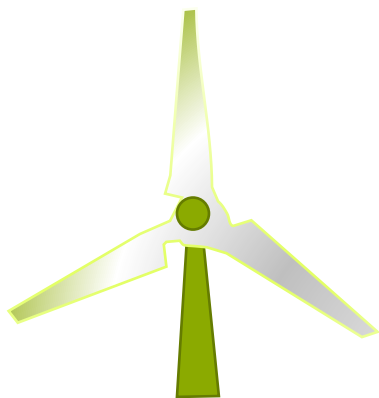


Tim Milburn  
Sierra Club  
Jan 19, 2023

# Local Climate Actions Agenda

1. General Climate Change Actions
2. Local actions
3. Current Programs
  - State of Illinois
  - Federal : IIJA, IRA
4. What to do?

# Climate Change Opportunities for Action



## Fairness

- Environmental Justice
- Inclusion
- Transition from fossil fuels
- Accountability

## Environmental

- Clean Energy
- Clean Transportation
- Clean Air
- Clean Water
- Flood Management
- Severe weather
- Etc.

## Economic

- Training Programs
- Jobs Placement
- Economic Growth

## Community

- Leadership engagement
- Citizen engagement
- Business Engagement
- Education

# Climate Action Processes

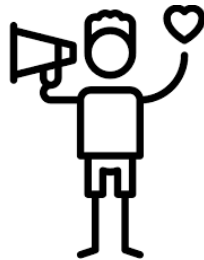
# Citizen/Constituent Action Goals w/ Municipal Leadership



**ENDORSE  
CANDIDATES**



**VOTE**



**RAISE AWARENESS**



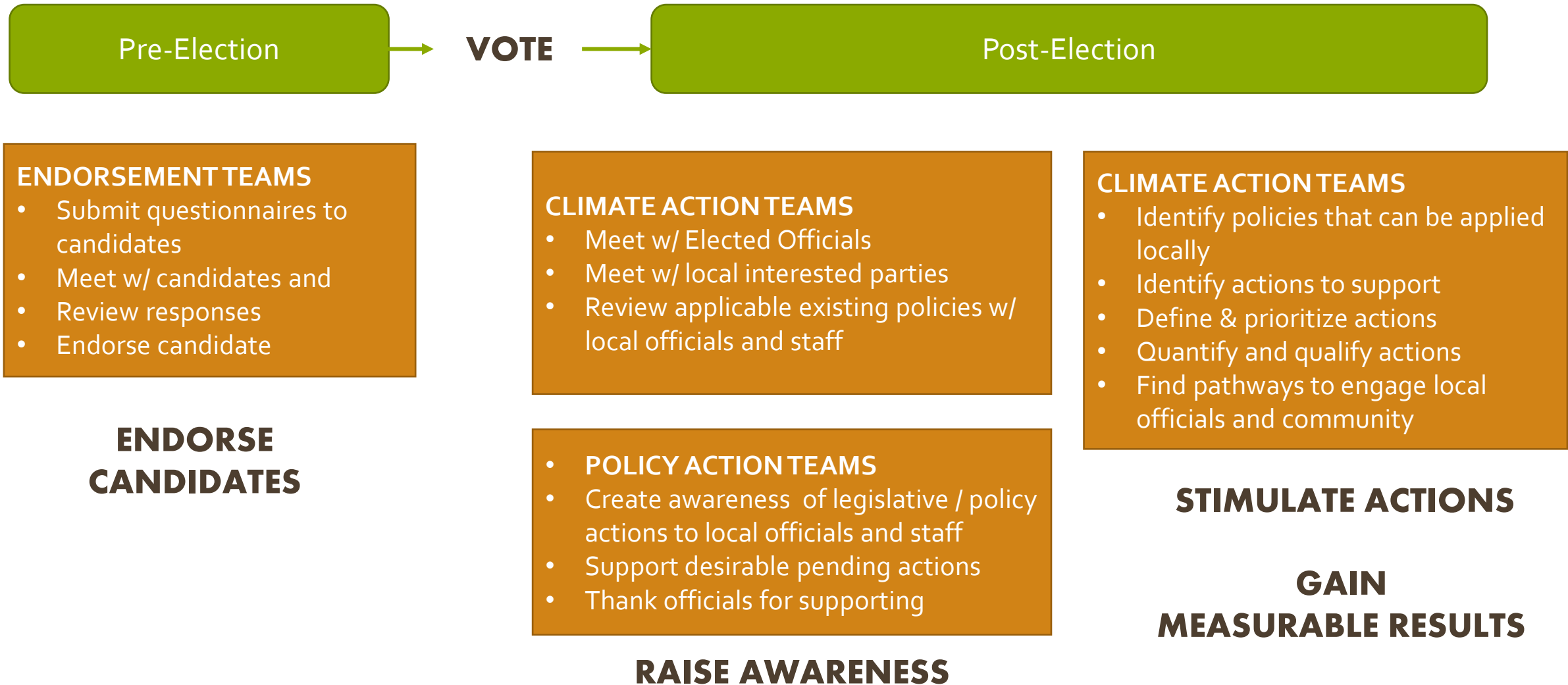
**STIMULATE  
ACTIONS**



**GAIN  
MEASURABLE  
RESULTS**



# Climate Action Teams



# Unique Authorities & Strengths of Municipal Government



**LEAD**



**ENCOURAGE**

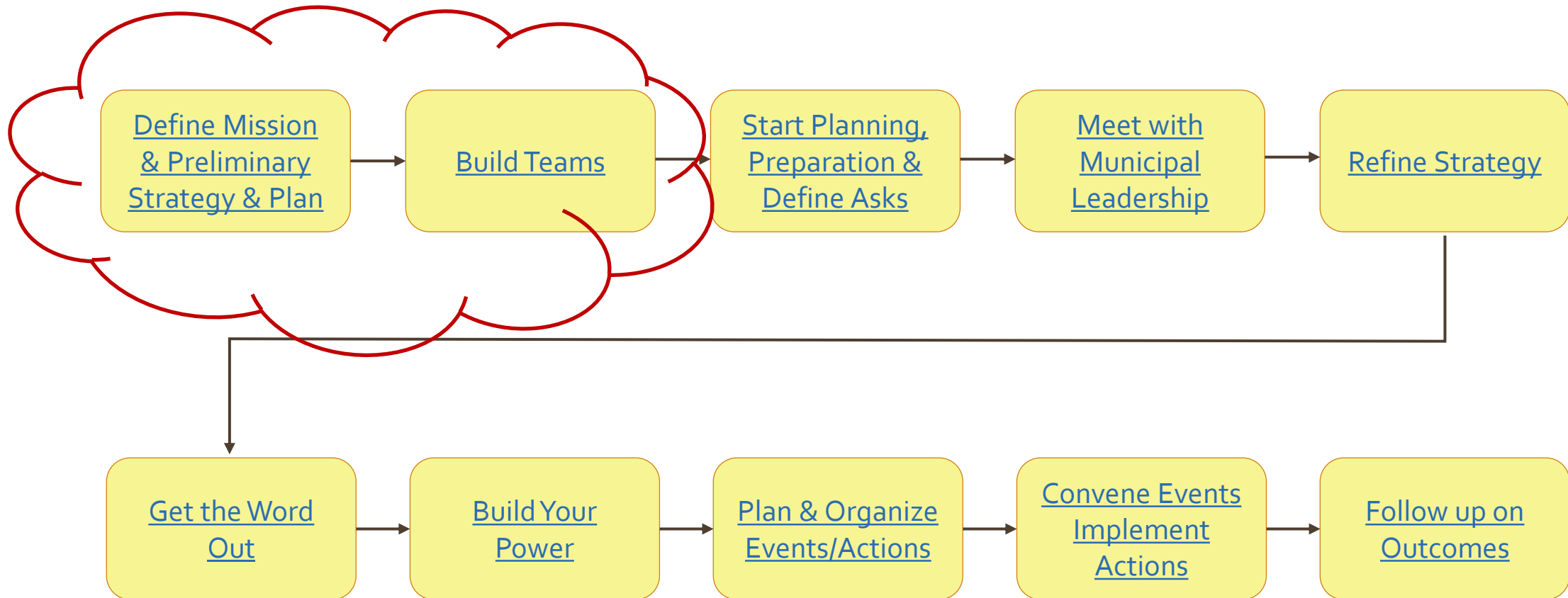


**ENACT**



**COMMUNICATE**

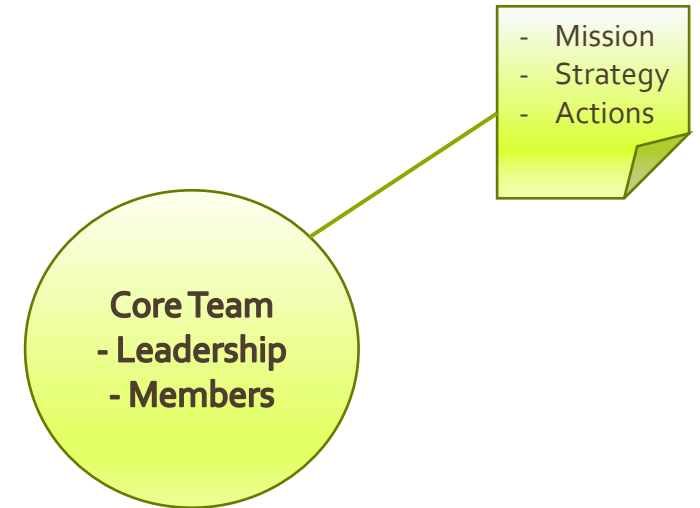
# Action Strategy Process Flow





# Step 1: Build Core Team

- Build a Core Team or leverage existing groups
- Define Mission, initial strategies and action ideas
- Plan for recruiting
  - Set clear concise message for prospective team members
  - Identify potential supporting groups/collaborators to support



# Define a Clean Energy Team Mission: Example

**Define and apply processes and supporting tools to commit, engage and guide communities in best practices to mitigate and adapt to Climate Change impacts.**

**Organize grassroots people within each community to drive actions towards tangible results that sustainability improve communities.**

## Step 2: Define Preliminary Strategy/Plan

- Learn about your community
  - History
  - Winnable issues
  - Players
  - Priorities & values
- Define initial strategy and supporting goals
  - Strategic plan description
  - Educate team on key policies, programs and incentives (team awareness)
  - Initial goals and achievable, measureable targets
  - Consider creating a logo or a meme
  - Define preliminary sequence of events
  - Set expectations for team (roles, actions)
  - Develop initial ideas for municipality, community and other stakeholders
- Start Community Mapping process

# Step 3: Grow Your Team

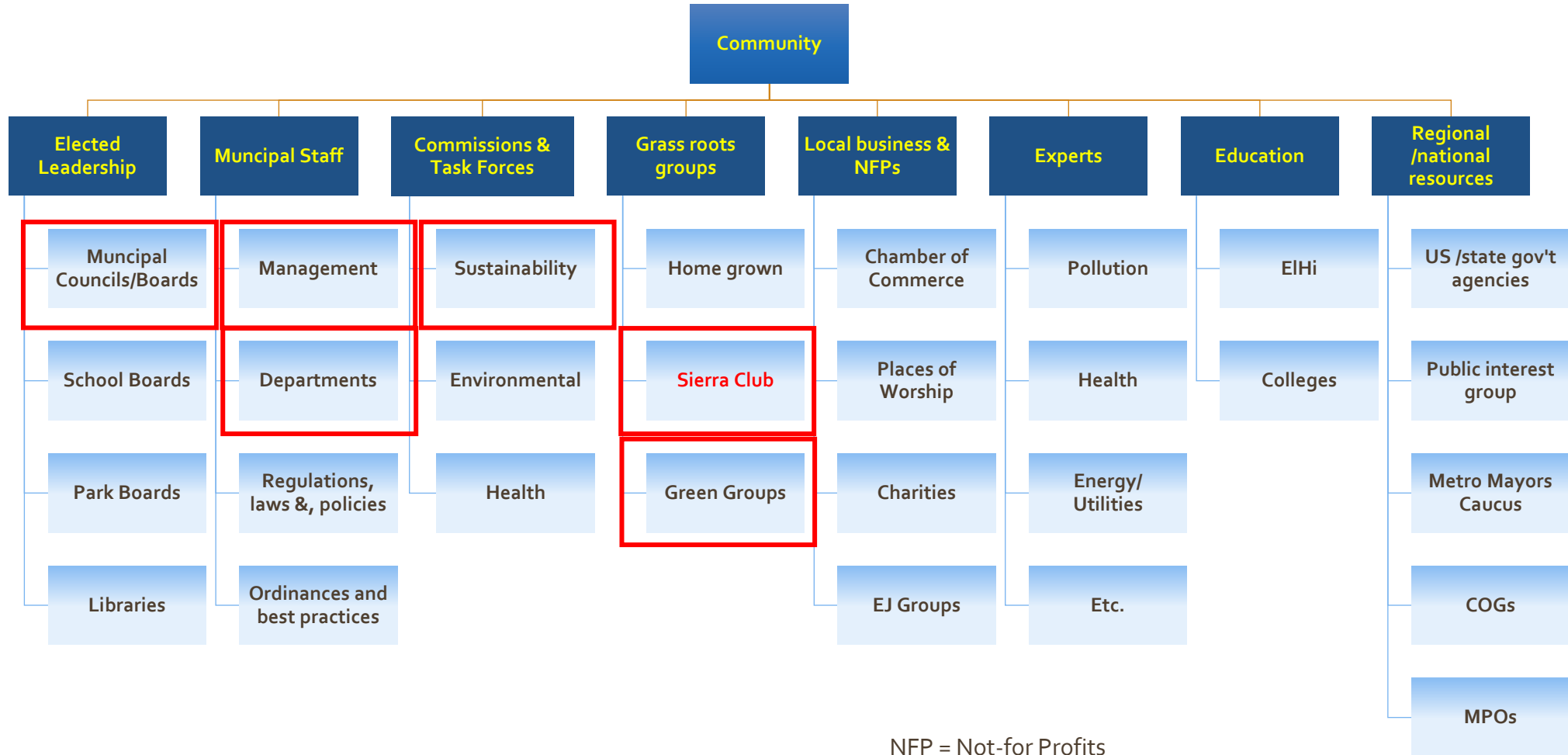
- Recruit people in and around your community
  - Be inclusive and diverse (age, culture, language)
  - Leverage collaborative resources
  - Reach out to like-minded groups
    - National
    - Local groups – interfaith, health related, labor, Meetup, Youth Groups, Colleges, etc.
- Maintain good recruiting habits
  - When possible, meet one-on-one with new people to educate them on your goals, learn about them. Listen *and* inform at a good pace, so all parties are comfortable with the outcomes.
  - Invite to small and large group meetings to discuss issues and understand their best place on the team
  - Record and track information for current and future actions
- Communicate effectively with emails, Google Groups, Social Media and the like



## Step 4: Start Planning, Prep, Define Asks

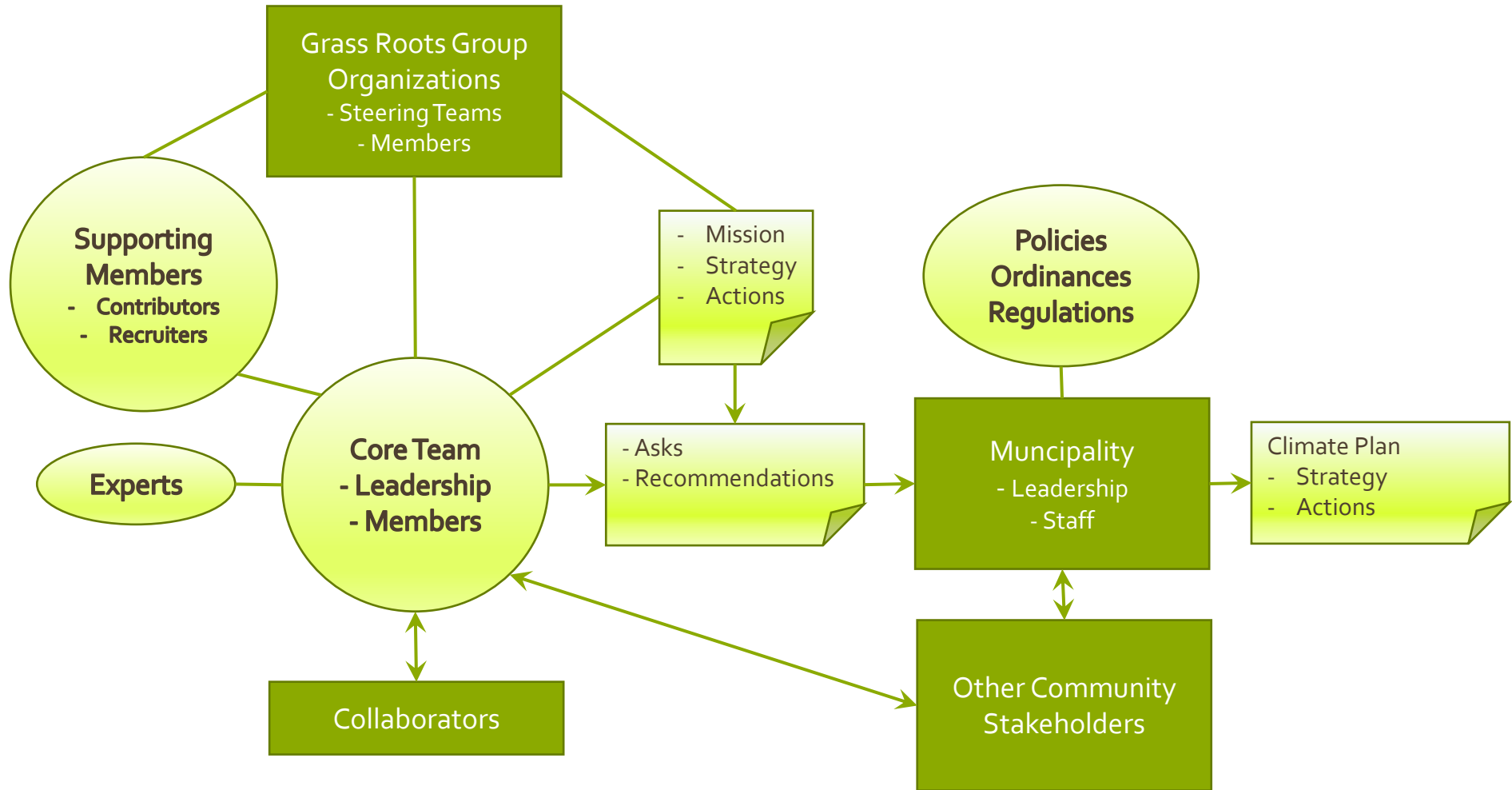
- Target meeting with Mayor/Village President level (“Top Down” approach).
  - Don’t be put off by “the Mayor is very busy”. You are a constituent and have every right to ask for and get a meeting.
  - If not the top person, try to identify champion with influence with top leadership that you can develop into voice for communicating your goals.
  - Know the process: attend council/board meetings well in advance of making the first “ask,” or watch on cable TV, to get the “lay of the land” for how meetings run and to learn different elected officials’ positions on issues
- Contact elected official and arrange meetings – get on agendas
- Prepare and deliver clear, specific and relevant **Asks**
  - Factual
  - Supported by business case, if possible
  - Provide climate / sustainability /health / financial and social data
  - Leverage current and pending policies and programs

# Community Stakeholders



NFP = Not-for Profits  
 COG= Council Of Government  
 MPO = Metropolitan Planning Organization

# Ideal Organizational Structure / Process Map



# Team Homework

- External: Map Your Municipality
  - Learn about your municipal government
    - Type of government (Village Board/Trustee, City/Alderman)?
    - Who is on the City Council/Village Board? Tenures/ Election cycles
    - Who are key members of municipal staff, their titles and responsibilities?
    - Any other stakeholders of import?
  - History on environmental issues
    - Any known political stances (pro-green, anti-green)?
    - Organized sustainability program, ad hoc sustainability strategy or little to no sustainability strategy?
    - If possible, develop baseline list of historical and current sustainability initiatives and successes?
  - Define who to contact and best path(s) for starting dialogue, if not top elected officials



## Step 4: Meet with Community Leaders

- Be organized and do your homework
  - Know your audience
  - Present agenda, reference documents, technical support, etc.
- Shoot for less than 30 minutes for first meeting and limit number of Group /Core team members
- Provide in writing and state clear, concrete ask(s) (sign a letter, make a public statement, attend this meeting, etc.)
- Listen and ask thoughtful questions. Be thinking about advancing the Community Map.
- These are very important and busy people. *The more prepared you are the more likely the conversation will be effective and you will be welcome in the future*
- Document key results. Set achievable and measurable expectations (targets).

## Step 5: Refine Strategies

- Meeting participants (e.g. Core Team) - conduct Lessons Learned exercise
  - What worked well?
  - What aspects would be better with enhancements?
  - What are the next steps for the Team? For the Municipality? For others?
  - What was agreed upon?
- Take Lessons Learned and apply to strategy going forward
- Document refined message, strategies, actions and asks
- Communicate results to extended team participants / collaborators

## Step 6: Get the Word Out

- Communicate meeting outcomes
  - With Municipality
    - Document what was discussed and agreed to
    - Send thank you notes
  - With grass roots Group
    - Group members
    - Supporting members
    - Collaborators
  - With local media - newspaper, TV, radio
    - Be certain that municipal leaders are comfortable with messages
    - Consider having municipality communicate directly with media
  - With residents
    - Via media outlets (pitching stories, letters to the editor) and social media
- Celebrate resolutions that get signed and actions that are initiated

# Step 7: Build Your Power to Achieve Goals

- Build your volunteer base
  - Capture and communicate educational materials and messages
    - Provides consistent, clear background, asks, actions and messages for participants
    - Strengthens understanding and commitment
  - Increase number of supporters of these asks, actions, mission
    - Targeted meetings
    - Outings
    - Public presentations
    - Informal meetings
    - Outreach – phone, social media, email, etc.
- Build support of stakeholder communities
  - Municipal Leadership
  - Other Community Leadership
  - Community activists
  - Other stakeholders
- Demonstrate public support for asks and actions
  - Online and papers petition gathering
  - Letters to Editor
  - Press releases

# Step 8: Plan and Organize Events and Actions

- Event/action planning
  - Assign event managers, recruiters and other participants
  - Define audience goals and interests
  - Capture agenda topics
  - Identify and commit qualified and effective presenters
- Recruitment
  - Recruit using phones, personal meetings, outings, mass email, social media, etc.
  - Parse needs, responsibilities and delegate responsibilities
  - Document sign ups everyone – keep track for future activities
  - Alert members of where and when there will be public meetings by city/village boards so people can attend, show their support, learn by observing, and bring their learnings back to their respective teams in their respective home towns
- Follow-up
  - Shortly before event/action, make sure everyone who said yes gets reminder call and/or email

## Step 9: Convene /Host/ Co-sponsor Event/Action

- Preparation
  - Schedule event – timing, venue reservations
  - Define resource needs (projectors, monitors, screens, handouts, food and drinks, etc.)
  - Press packets
  - Other handouts
  - Banners, placards
- Invitations
  - Define who to invite, including community leadership, media, grass roots groups, collaborators, other stakeholders
- Deliver invitations
- Prepare agenda
- Convene meeting

# Step 10: Follow-up on Event Outcomes

- Communicate results (actions, timing, next steps, recommendations, etc.) to broader audience
- Thank participants
- Reinforce message and outcomes
  - Capture talking points
  - Issue press release
  - Hold press conference
  - Launch social media content
  - Celebrate!
- Recognize individual and group successes
  - Municipality
  - Grass Roots Group and Core Group
  - Collaborators
  - Etc.
- Track results
- Consider continuous improvement actions to advance next steps and continue to accomplish mission
  - Analyze measures
  - Reassess activities
  - Modify actions as required

# Current Programs

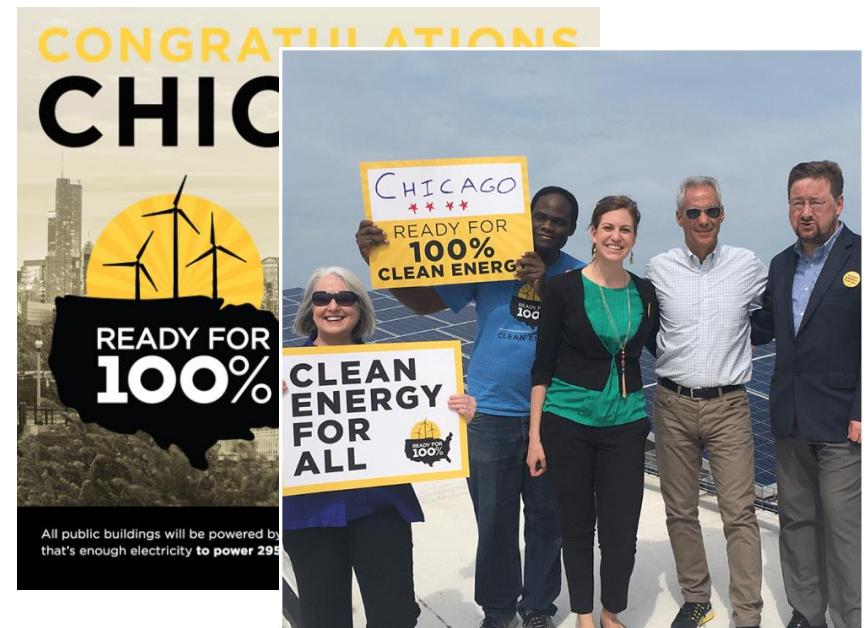


# Climate / Sustainability Program Ideas

- Municipally based programs
  - Sierra Club's Ready For 100 (RF100): [Climate /Energy Action](#), (190 US, 5 in Illinois)
  - Greenest Region Compact: [Sustainability Actions](#) (144 Northern IL municipalities)
  - Chicago Region Climate Plan
  - Chicago Climate Charter, Global Covenant of Mayors, Compact of Mayors, Climate Mayors, etc.: [Climate Action](#) ("Paris Accord alternatives" for Mayors – various levels of participation)
  - Mix of pledges and GHG measurement
- Sustainability vs. Climate Focused programs
  - Outlook varies by community: Focus varies
    - Climate and Energy
    - Broader Sustainability priorities
- Pledges vs. action: "commitment" vs. **results**
- ***Need to understand your community to determine direction***

# Ready for 100

- [RF100](#) Goals – Sierra Club
  - **Goal: achieve fossil-fuel free grid by 2030; 100% Clean Energy by 2050**
  - Municipal pledges to 100% renewable energy for all
  - Heavily solar PV focused
  - 160 cities across America
  - *Being sunsetted*
  - Useful [Toolkit](#)





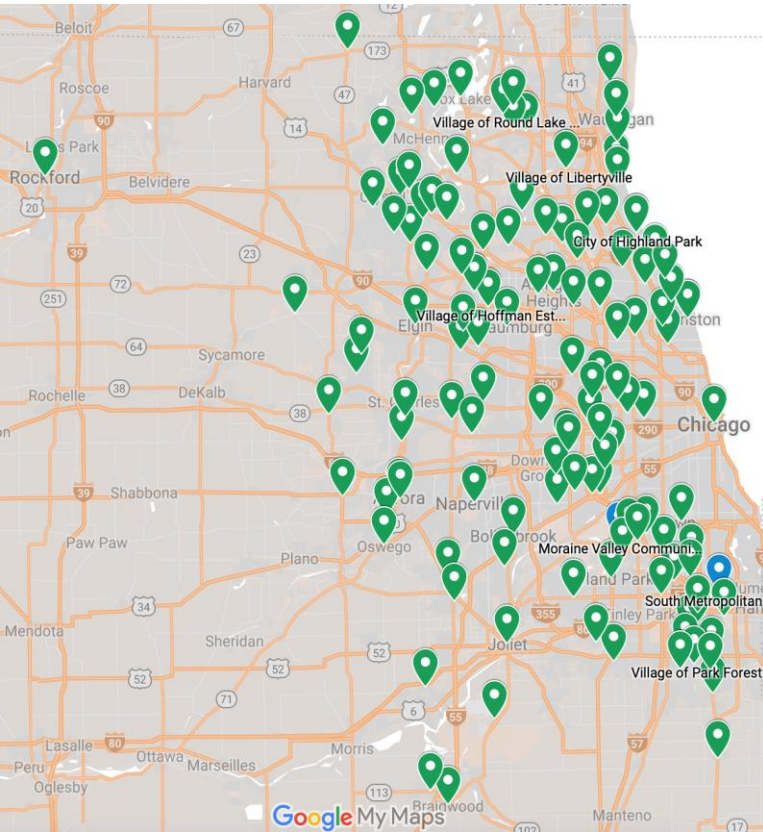
- Greenest Region Compact (GRC)
- Sustainability strategies and action focused for municipalities
- Starts with *Resolution*
- Provides *framework* for planning and managing sustainability programs – over 1000 ideas to choose from in 10 areas
  - 49 high-level goals
  - 1100 Actions - “shopping list” for sustainability planning
- Aligns with regional, state, nation, global goals
- Leverage incentives
- Provide resources
- Educates municipalities on sustainability opportunities

Goal	Objective	Implementation Status					
		Adopted	In Progress	Planned for next 6 months	Planned for next 12-24 months	Not planned	Not relevant
Greenhouse Gas Emissions	C1: Establish a Greenhouse Gas (GHG) emission reduction target:						
	C1a: Utilize US EPA's Local Climate Action Framework to plan and evaluate climate strategies.						
	C2: Measure and monitor GHG emissions						
	C2a: Measure and monitor GHG from municipal operations.						
	C2b: Measure and monitor GHG community wide.						
	C3: Verify and report climate action to Carbon Climate Registry						
	C4: Participate in carbon offset program						
	C5: Commit to the Compact of Mayors						
	C6: Regulate burning of landscape waste						
	C7: Facilitate compliance of federal air quality standards by businesses						
Air Quality	C8: Participate in Illinois Partners for Clean Air						
	C9: Discourage the use of high-emitting small engines, such as for landscaping						
	C10: Reduce volatile organic compound (VOC) emissions for municipal operations by using low VOC cleaners, paints, and paving practices						
	C11: Establish policies to meet Illinois Dept of Public Health Indoor Air quality standards						
Resiliency	C12: Coordinate resiliency efforts with federal, state and regional planning agencies						
	C12a: Integrate Pre-Disaster Hazard Mitigation Plan						
	C13: Collaboratively manage urban heat islands						
	C14: Assess infrastructure and public safety threats from extreme weather events						
	C14a: Develop a resiliency plan to protect assets, public health, and						

144 municipalities  
 4 counties  
 10 COGS  
 6.2 million people

## Greenest Region Compact Communities

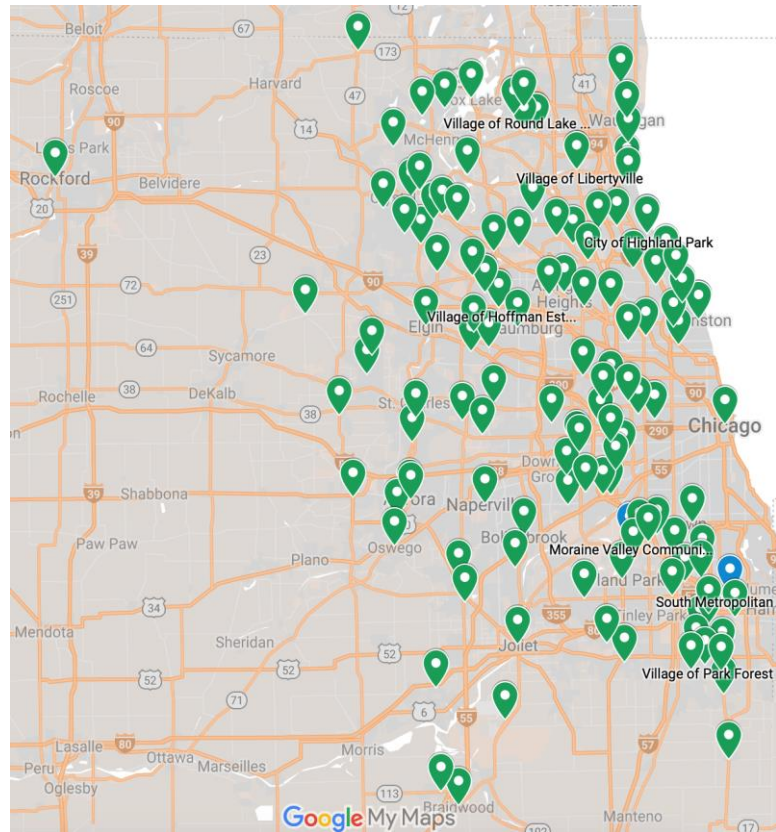
# GRC Communities by Resolution



	Community	Entity Type	Population	GRC2 Adoption Date
1	Addison Township	Village of		6/12/19
2	Algonquin	Village of	30,897	4/18/16
3	Algonquin Township	Township		8/17/16
4	Alsip	Village of	18,709	7/12/16
5	Arlington Heights	Village of	74,760	4/18/16
6	Aurora	City of	197,757	4/26/16
7	Bannockburn	Village of	1,244	10/24/16
8	Barrington	Village of	10,217	4/11/16
9	Bartlett	Village of	40,647	2/5/19
10	Batavia	City of	26,420	4/16/18
11	Beach Park	Village of	13,701	11/9/17
12	Beecher	Village of	4,427	4/8/19
13	Bensenville	Village of	18,044	3/12/19
14	Blue Island	City of	22,899	4/26/16
15	Bolingbrook	Village of	74,545	4/12/16
16	Braidwood	City of	6,186	3/13/18
17	Broadview	Village of	7,755	11/15/21
18	Brookfield	Village of	18,310	9/26/16
19	Buffalo Grove	Village of	40,494	3/20/17
20	Bull Valley	Village of	1,267	1/22/18
21	Burlington	Village of	681	4/4/16
22	Calumet City	City of	35,913	2/19/19
23	Campton Hills	Village of	11,091	4/5/16
24	Carol Stream	Village of	39,203	4/18/16
25	Carpentersville	Village of	37,254	10/3/17
26	Cary	City of	18,067	12/14/15
27	Chicago	City of	2,693,976	5/18/16
28	Chicago Heights	City of	29,322	4/12/18
29	Chicago Ridge	Village of	13,928	7/12/16
30	Countryside	City of	5,933	4/12/17
31	Crete	Village of	8,023	6/13/16
32	Crystal Lake	City of	39,829	5/16/17
33	Darien	City of	21,628	3/5/18
34	Deerfield	Village of	19,006	11/15/21
35	Deer Park	Village of	3,884	5/10/18
36	Des Plaines	City of	58,673	10/18/21
37	Diamond	Village of	2,697	5/24/16
38	East Dundee	Village of	3,211	6/6/22
39	Elburn	Village of	5,629	2/10/18

40	Elgin	City of	112,653	7/12/17
41	Elwood	Village of	2,367	6/6/18
42	Evanston	City of	74,587	8/13/18
43	Evergreen Park	Village of	19,479	4/17/17
44	Flossmoor	Village of	9,472	4/2/18
45	Fox Lake	Village of	11,015	4/26/16
46	Fox River Grove	Village of	4,676	2/7/19
47	Frankfort	Village of	18,999	5/2/16
48	Franklin Park	Village of	17,956	3/21/16
49	Geneva	City of	21,888	8/21/17
50	Glen Ellyn	Village of	27,855	5/28/19
51	Glencoe	Village of	8,888	1/19/17
52	Glenview	Village of	47,416	11/17/20
53	Grayslake	Village of	20,720	7/5/16
54	Gurnee	Village of	30,671	4/19/21
55	Hainesville	Village of	3,606	4/25/17
56	Hanover Park	Village of	37,984	4/21/16
57	Hawthorn Woods	Village of	8,402	4/25/16
58	Hazel Crest	Village of	13,549	7/23/18
59	Hebron	City of	1,469	3/19/18
60	Hickory Hills	City of	14,182	11/10/22
61	Highland Park	City of	29,628	5/23/16
62	Hillside	Village of	8,080	5/23/16
63	Hoffman Estates	Village of	50,841	4/25/16
64	Homer Glen	City of	24,592	9/27/16
65	Homewood	Village of	19,112	3/26/19
66	Indian Head Park	Village of	3,776	4/19/18
67	Island Lake	Village of	8,035	11/11/16
68	Johnsburg	City of	6,384	3/13/18
69	Joliet	City of	147,826	1/15/19
70	Justice	Village of	12,800	8/26/19
71	Kane County	County		4/8/19
72	La Grange	Village of	15,545	4/23/18
73	Lake Bluff	Village of	5,632	8/8/16
74	Lake County	County		5/2/19
75	Lake Forest	City of	19,173	3/20/17
76	Lake in the Hills	Village of	28,759	2/21/19
77	Lake Zurich	Village of	19,915	4/17/19
78	Lakewood	Village of	3,780	2/13/18
79	Lemont	Village of	17,023	4/15/19
80	Libertyville	Village of	20,382	10/11/17
81	Lincolnshire	Village of	7,572	8/28/17
82	Lincolnwood	Village of	12,434	4/19/16

# GRC Communities by Resolution



83	Lisle	Village of	23,431	10/4/21
84	Lombard	Village of	43,998	4/6/17
85	Long Grove	Village of	7,963	4/26/16
86	McCullom Lake	Village of	1,080	8/8/17
87	McHenry County	County		3/16/20
88	Midlothian	Village of	14,595	4/11/18
89	Minooka	Village of	11,094	unknown
90	Mokena	Village of	20,674	3/13/17
91	Montgomery	Village of	19,213	6/25/18
92	Morton Grove	Village of	23,089	1/14/20
93	Mount Prospect	Village of	54,604	4/5/16
94	Naperville	City of	147,501	4/20/17
95	Niles	Village of	29,451	4/26/16
96	North Aurora	Village of	17,752	7/1/19
97	North Chicago	City of	29,971	7/6/18
98	Northbrook	Village of	33,343	9/24/18
99	Northfield	Village of	5,534	5/17/16
100	Northlake	City of	12,290	5/2/16
101	Oak Brook	Village of	8,075	3/14/17
102	Oak Forest	City of	27,617	2/8/17
103	Oak Park	Village of	52,233	3/19/18
104	Olympia Fields	Village of	4,821	4/11/16
105	Orland Park	Village of	58,749	4/5/16
106	Oswego	Village of	34,933	4/19/16
107	Palatine	Village of	68,407	4/1/19
108	Palos Hills	City of	17,318	3/15/18
109	Palos Park	Village of	4,842	2/12/18
110	Park Forest	Village of	21,563	3/21/16
111	Park Ridge	City of	37,457	9/18/17
112	Plainfield	Village of	43,110	3/6/16
113	Polo	City of	2,133	3/6/17
114	Posen	Village of	6,149	4/2/18
115	Richton Park	Village of	13,504	5/9/16
116	River Forest	Village of	10,970	12/2/16
117	Rockford	City of	147,070	4/1/19
118	Rolling Meadows	City of	23,219	4/11/17
119	Romeoville	Village of	39,666	5/4/16
120	Roselle	Village of	22,660	11/28/22
121	Round Lake Beach	Village of	27,507	11/1/16
122	Schaumburg	Village of	74,194	5/10/16
123	Skokie	Village of	63,821	10/3/18
124	South Barrington	Village of	4,930	4/13/16
125	South Chicago Heights	Village of	4,076	3/7/17

126	St. Charles	City of	32,686	10/7/19
127	Streamwood	Village of	39,809	4/21/16
128	Sugar Grove	Village of	9,689	3/20/18
129	Thornton	Village of	2,545	4/4/16
130	Vernon Hills	Village of	26,343	2/15/22
131	Villa Park	Village of	21,916	3/9/20
132	Waukegan	City of	87,297	2/26/18
133	West Chicago	City of	27,180	3/6/17
134	Westchester	Village of	16,440	4/26/16
135	Westmont	Village of	24,931	4/12/18
136	Wheeling	Village of	38,499	3/21/16
137	Will County	County		6/21/19
138	Willowbrook	Village of	8,673	8/27/18
139	Wilmette	Village of	27,247	9/3/18
140	Winfield	Village of	9,700	7/29/18
141	Winnetka	Village of	12,428	4/3/18
142	Winthrop Harbor	Village of	6,721	5/19/20
143	Woodstock	City of	25,240	10/20/20
144	Worth	Village of	10,633	4/5/16

6,367,934

	Council of Government (COG)	GRC2 Adoption Date
1	Barrington Area Council of Governments	8/23/16
2	DuPage Mayors and Managers Conference	9/21/16
3	Lake County Municipal League	Y
4	McHenry County Council of Governments	4/28/16
5	Metro West Council of Governments	4/28/16
6	Northwest Municipal Conference	Y
7	South Suburban Mayors & Managers	5/19/16
8	Southwest Conference of Mayors	4/27/16
9	West Central Municipal Conference	4/27/16
10	Will County Government League	5/12/16

 Climate

 Economic Development

 Energy


 Land

 Leadership

 Mobility

 Municipal Operations

 Sustainable Communities

 Water

 Waste & Recycling

The Greenest Region Compact has 10 sustainability categories.



# GRC2 Framework Areas

GRC2 Framework available to be used as customizable sustainability planning tool for municipalities:

[http://mayorscaucus.org/wp-content/uploads/2017/04/GRC2-Framework-Booklet\\_PDF\\_Final-2017.pdf](http://mayorscaucus.org/wp-content/uploads/2017/04/GRC2-Framework-Booklet_PDF_Final-2017.pdf)

© Climate

© Energy

© Economic Development

© Land Use

© Leadership

This block displays a collage of five overlapping pages from the GRC2 Framework, each representing a different sustainability area. The pages are color-coded: Climate (orange), Energy (green), Economic Development (red), Land Use (yellow), and Leadership (grey). Each page contains a structured layout with sections for 'GOAL', 'OBJECTIVE', 'STRATEGY', and 'ADVANCED STRATEGY', along with various tables and text boxes.

© Mobility

© Municipal Operations


© Sustainable Communities

© Water

© Waste & Recycling

This block displays a collage of five overlapping pages from the GRC2 Framework, each representing a different sustainability area. The pages are color-coded: Mobility (red), Municipal Operations (purple), Sustainable Communities (blue), Water (green), and Waste & Recycling (yellow). Each page contains a structured layout with sections for 'GOAL', 'OBJECTIVE', 'STRATEGY', and 'ADVANCED STRATEGY', along with various tables and text boxes.

# Example use of GRC Framework: Energy

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1					<b>OBJECTIVE</b>	Already achieved	In Progress	Planned for next 6 months	Planned for next 12-18 months	Interested in pursuing	Not planned	Not relevant	Contact Initials	Notes	ADD YOUR OWN	Link to Resource
2					> STRATEGY											
3			<b>GOAL</b>		+ ADVANCED STRATEGY											
5	ENERGI	Energy Efficiency	Use energy for building and facilities efficiently	E2	Support energy audits and retro-commissioning studies of residential, commercial and institutional facilities											
8				E5	Implement energy efficiency measures that have a short-term payback (i.e. lighting, occupancy sensors)											
10					E7	Collaborate with utilities and other agencies to upgrade streetlight equipment and integrate smart technologies										
11					E8	Achieve ENERGY STAR certification for municipal buildings										

<https://www.comed.com/WaysToSave/ForYourBusiness/Pages/default.aspx>

Goals (1 of 52)

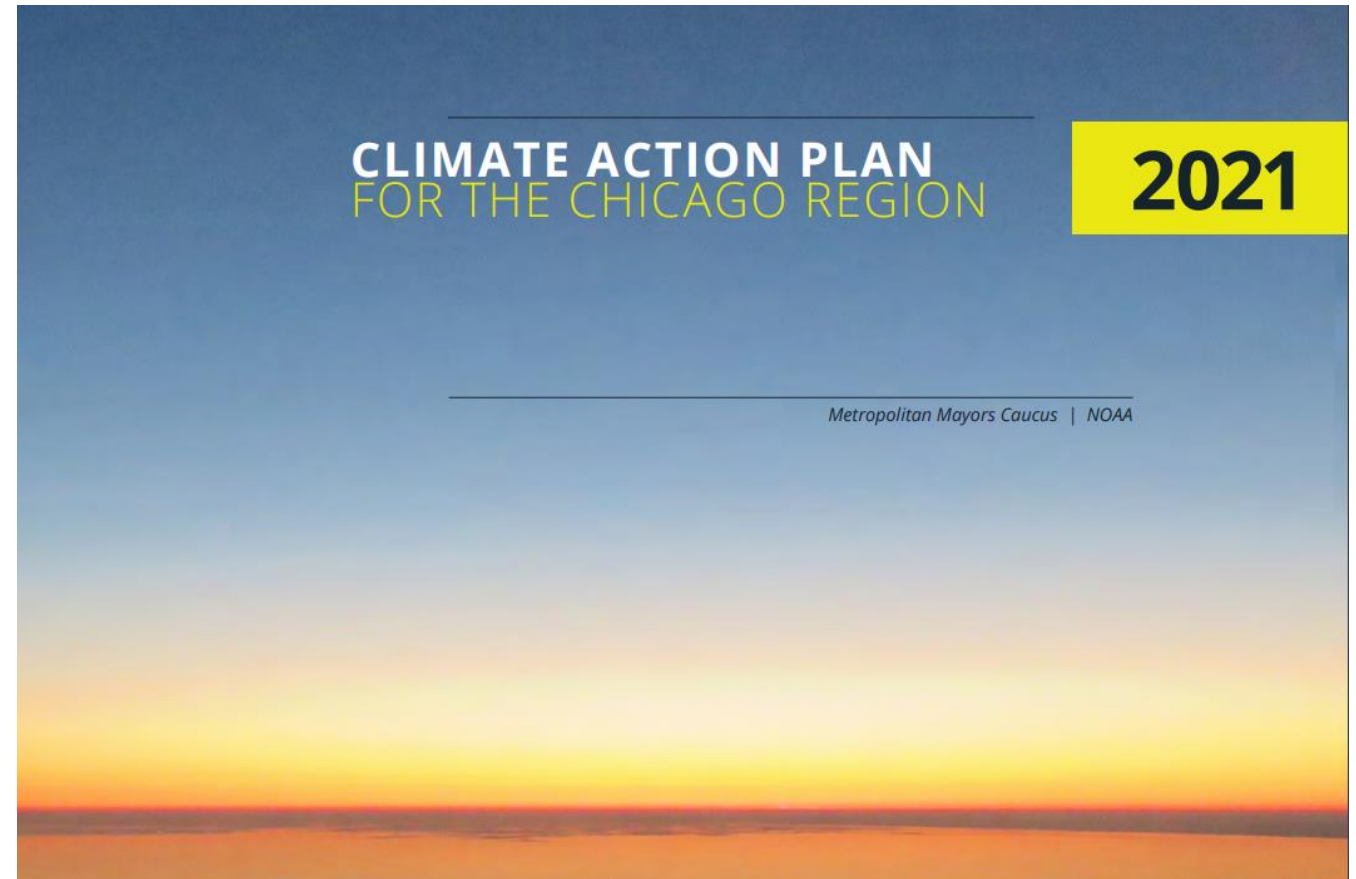
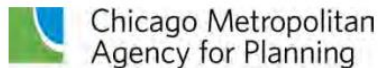
Actions (4 of 1100)





# Chicago Region Climate Action Plan

- [Climate Action Plan \(Full\)](#)
- [CAP Webpage](#)



# CAP Communities

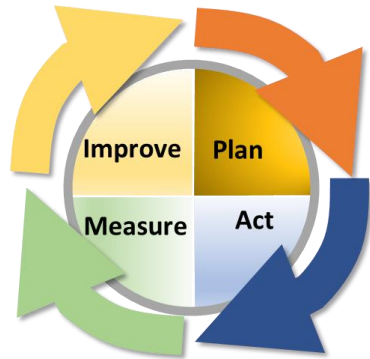
## By Resolution

### Organizations That Supported the Climate Action Plan for the Chicago Region by Resolution

Community	Resolution Date
1 Batavia	9/20/21
2 Beecher	11/8/21
3 Bensenville	11/16/21
4 Broadview	11/1/21
5 Brookfield	9/27/21
6 Chicago Heights	10/6/21
7 Chicago Ridge	9/21/21
8 Deer Park	11/18/21
9 Des Plaines	10/18/21
10 Elgin	10/27/21
11 Geneva	9/20/21
12 Grayslake	1/18/22
13 Hanover Park	10/7/21
14 Hazel Crest	12/14/21
15 Highland Park	9/27/21
16 Hoffman Estates	10/4/21
17 Lindenhurst	10/11/21
18 Mount Prospect	12/7/21
19 Niles	10/26/21
20 Northbrook	11/9/21
21 Northlake	10/4/21
22 Palos Park	10/25/21
23 Park Forest	10/18/21
24 Posen	9/28/21
25 Richton Park	9/27/21
26 River Forest	10/13/21
27 Schaumburg	2/8/22
28 Skokie	3/7/22
29 Sugar Grove	11/2/21
30 Villa Park	6/27/22
31 Westmont	9/23/21
32 Will County	2/25/22
33 Wilmette	9/28/21
34 Winnetka	2/15/22

Councils of Governments or Other Entity	Resolution Date
1 McHenry County Council of Governments	11/17/21
2 Metro West Council of Governments	10/28/21
3 Northwest Municipal Conference	10/13/21
4 South Suburban Mayors & Managers	10/21/21
5 MWRD	9/2/21

# Basics of Climate Change



## Mitigation

### Reduce /Eliminate Causes

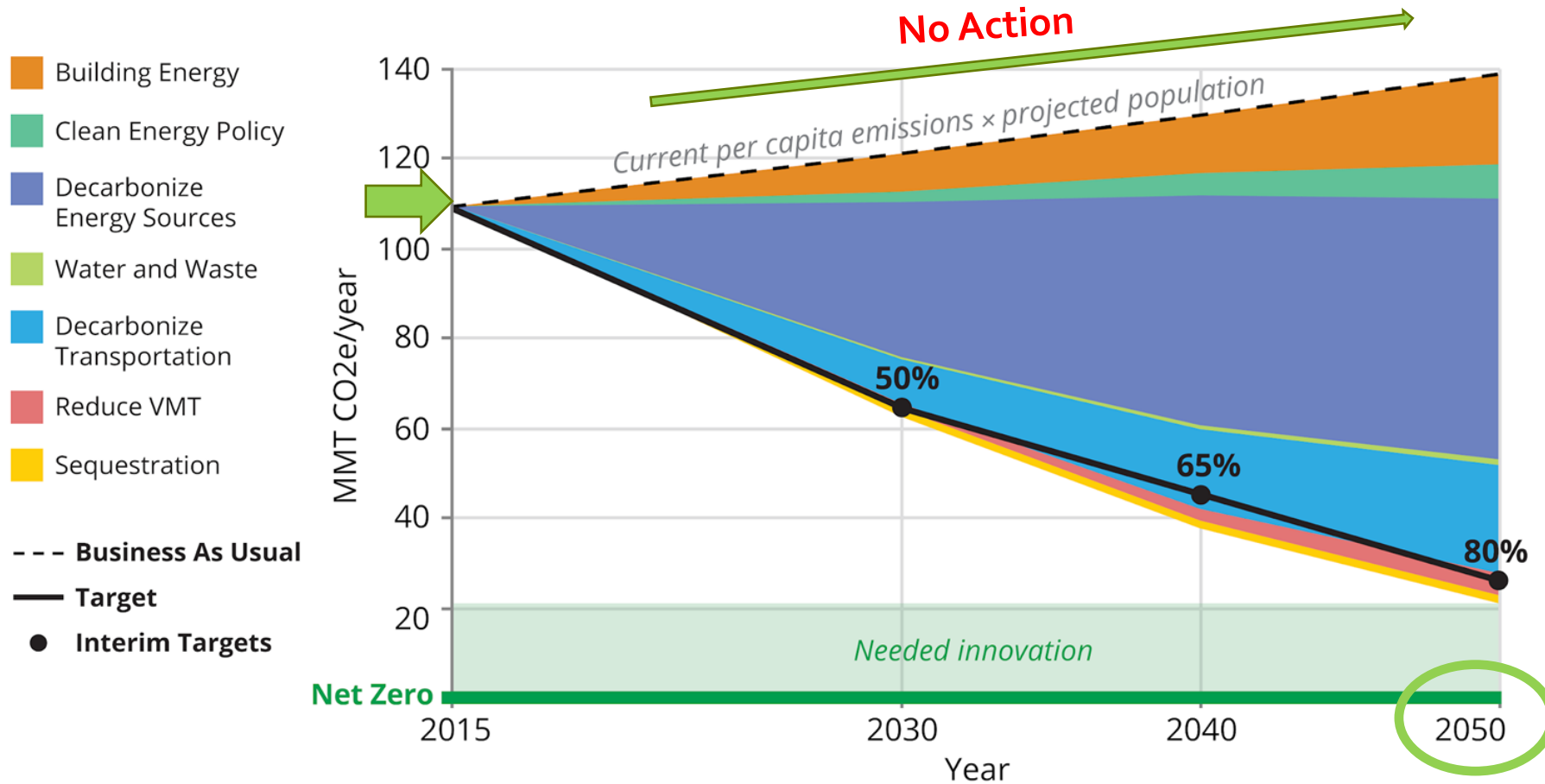
- Transportation
- Energy
- Industry
- Agriculture
- Commercial
- Residential

## Adaption

### Resilience Actions to Manage Results

- Disaster management
- Flood management
- Infrastructure & technology advances
- Population displacement and migration and management

# Importance of Climate Action



## 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.

### MUNICIPAL ROLES IN CLIMATE ACTION



**LEAD:**

municipalities take actions within their own operations and decisions



**ENCOURAGE:**

influence constituents and partners to change behaviors or take action through education collaboration, direct investment and incentives






**ENACT:**

municipalities enact policies or support other jurisdictions in enacting policies

## ADAPTATION OBJECTIVES

-  Engage & educate the community about climate resilience & adaptation.
-  Incorporate equity & inclusion into climate adaptation efforts.
-  Collaborate & build capacity for a more resilient community.
-  Enact plans & policies focused on adaptation & resilience.
-  Adapt operations and investments for future climate conditions.

# CAP Framework

		  												
Strategy		Overarching resilience	Heat & Health	Flooding & Homes	Stormwater & Infrastructure	Flooding & Transport	Drought & Water	Air Pollution & Health	Municipal Role	Solution Status	Cost	Effort Required	Lead Partners & Resources	Outcomes (Co-benefits)
a	Coordinate resiliency efforts with federal, state and regional agencies.	x		x	x	x	x		LEAD ENCOURAGE	Contingent	\$\$	High	FEMA, IEMA, EMA, MABAS, NIMS, IDNR, IDOT, CMAP, counties, public health agencies, park and forest preserve districts, utility, StR, DRSC	Shared and leveraged resources, optimized
b	Strengthen emergency and adaptive response skills among staff, civic leaders, and allied organizations.	x	x	x				x	LEAD	Proven	\$	Med	FEMA, IEMA, NIMS, IAF, APWA, AWWA, MABAS, public health agencies	Overarching resilience
c	Develop an emergency transportation and logistics plan to move vital resources.					x			LEAD ENCOURAGE	Evolving	\$\$	High	IEMA, IDOT, counties, E public health agencies	Heat & Health
d	Monitor and share real-time roadway conditions.							x	LEAD ENCOURAGE	Evolving	\$	Low	IDOT, counties, APWA	Flooding & Homes
e	Access and share timely weather data.			x	x				LEAD	Proven	C	Low	NOAA, NWS, State Climatologist	Stormwater & Infrastructure
f	Facilitate compliance with federal air quality standards by businesses.				x			x	ENCOURAGE	Contingent	\$	Med-High	IEPA, U.S. EPA	Flooding & Transport
g	Identify and mitigate urban heat islands.				x				ENCOURAGE	Evolving	\$\$\$	High	U.S. EPA, USFS, GLISA, IEPA, State Climatologist utilities, park & forest preserve districts, public health agencies	Drought & Water
h	Manage public and private landscapes to optimize ecosystem services and support biodiversity.				x			x	LEAD ENCOURAGE	Proven	\$\$\$	High	USFS, IDNR, park & forest preserve districts, SWCD, CW, watershed organizations, non profits	Air Pollution & Health
i	Collaborate to sustainably manage regional water supply.							x	LEAD ENCOURAGE	Evolving	\$\$\$	High	ISWS, IDNR, CMAP, MPC	
j	Monitor and protect water quality in private wells.							x	ENCOURAGE	Evolving	\$\$	Med	BACOG, ISWS	
k	Collaborate to sustainably manage stormwater.						x		LEAD ENCOURAGE	Evolving	\$\$\$	High	U.S. EPA, FEMA, IEMA, IAFSM, stormwater agencies, SWCS, IDNR, counties, townships, park & forest preserve districts, IDOT & transportation agencies	



## Illinois Policies and Programs: Climate and Equitable Jobs Act (CEJA)





# Climate and Equitable Jobs Act (CEJA) COMPREHENSIVE GOALS



Jobs & Economic Justice



Carbon-Free Power



Renewable Energy



Electric Transportation



Inclusive Financing



Just Transition for Fossil Fuel  
Communities



Energy Efficiency



Utility Accountability, Grid  
Planning, and Low-income Relief



## KEY PROGRAMS

- 960 page bill
- Green heading have climate impacts
  - Bold, underlined and italicized are areas of climate interest
  - Each program has commitments to establish metrics for climate, emissions, performance and financial metrics and means of establishing program accountability

### JUST TRANSITION/EQUITY

#### SUPPORT DISPLACED OR UNDERSERVED COMMUNITIES AND INDIVIDUALS

- Job training and business start-up support
- Financial support for communities losing local power plants and coal mines
- **Support for local governments to create sustainability plans**

### ENERGY EFFICIENCY

#### INCREASE DEPLOYMENT OF EFFICIENT TECHNOLOGIES

- Extension of current utility EE programs to 2040
- Increase utility EE programs finding by 10%
- Consumers with >10MW demand are now back in the EE programs plus self-direct
- **Local governments can adopt more aggressive EE standards**

### RENEWABLES

#### RAPIDLY EXPAND DEPLOYMENT OF RENEWABLES/STORAGE

- 50% RPS by 2040; 100% clean energy 2050
- **Increase annual RPS funding**
- Carve outs for low income, schools, and others
- Working group to solve interconnection issues
- Large consumers can self-direct their RPS funds to directly purchase renewables
- **More value and increased volume of community solar**

### TRANSPORTATION

#### INCREASE DEPLOYMENT OF EFFICIENT TECHNOLOGIES

- **Incentives to support 1 million EV's in Illinois**
- EV expansion planning
- **EV charging station grants**
- IDOT study on impact of loss of road tax payments due to EV adoption

### POWER PLANTS

#### DECARBINIZED POWER SECTOR IN ILLINOIS

- Phase out of oil, natural gas, and coal generation by 2045
- \$770 million in new subsidies for nuclear plants
- Coal to Solar program for existing coal plants

### ETHICS

#### ENSURE TRANSPARENCY IN UTILITY POLICYMAKING

- Economic disclosures by policymakers and IPA
- Ethics reporting requirements for utilities.
- Investigation of ComEd
- Accelerated rebating of tax benefits by utilities

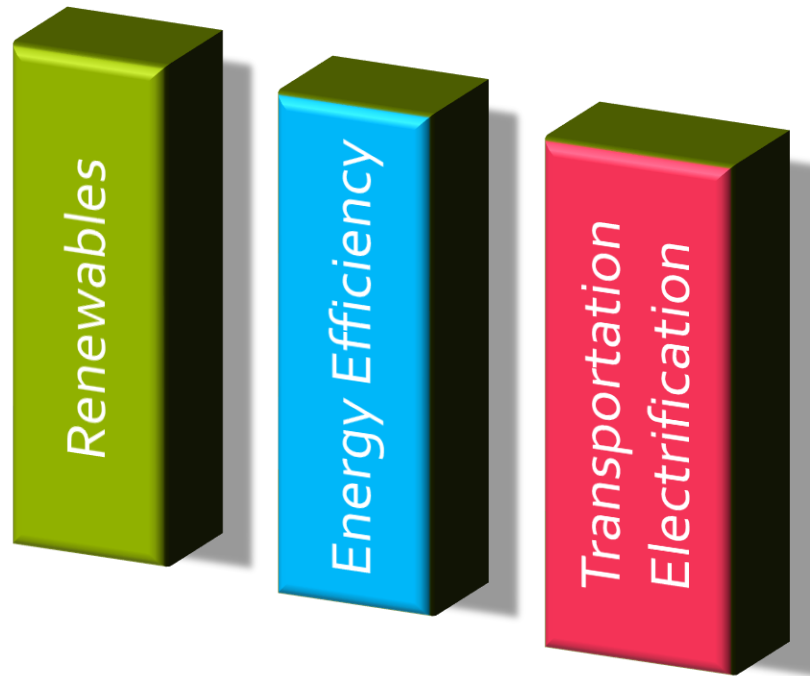
### UTILITY RATES

#### ADEQUATELY PLAN/SUPPORT UTILITY INVESTMENTS

- Performance based rates
- New approach to distribution system planning

# Climate and Equitable Jobs Act (CEJA)

## 3 Technology Pillars





## Renewable Energy: Overall Goals

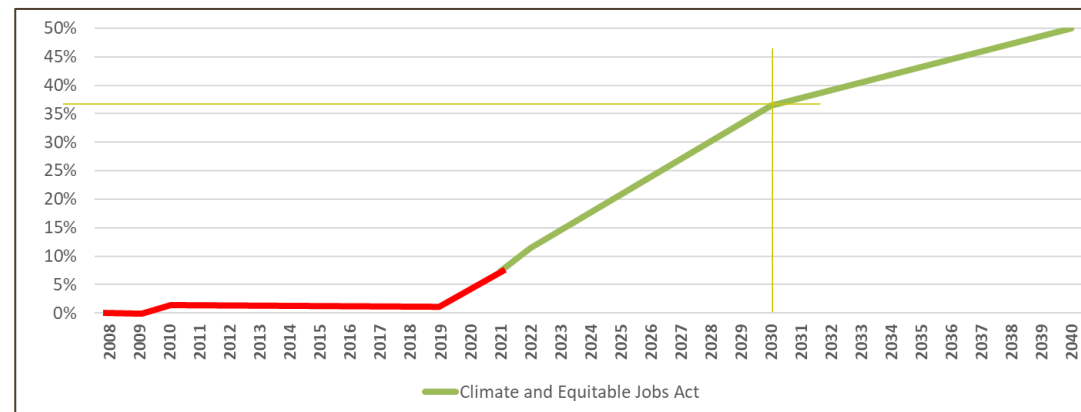
- Put Illinois on *path* to 100% Renewable Energy / Decarbonization / Clean Air
  - 40% Renewable Energy by 2030
  - 50% Renewable Energy by 2040
  - Energy storage and new distribution infrastructure to support



14,300 MW of New Solar Power by 2030

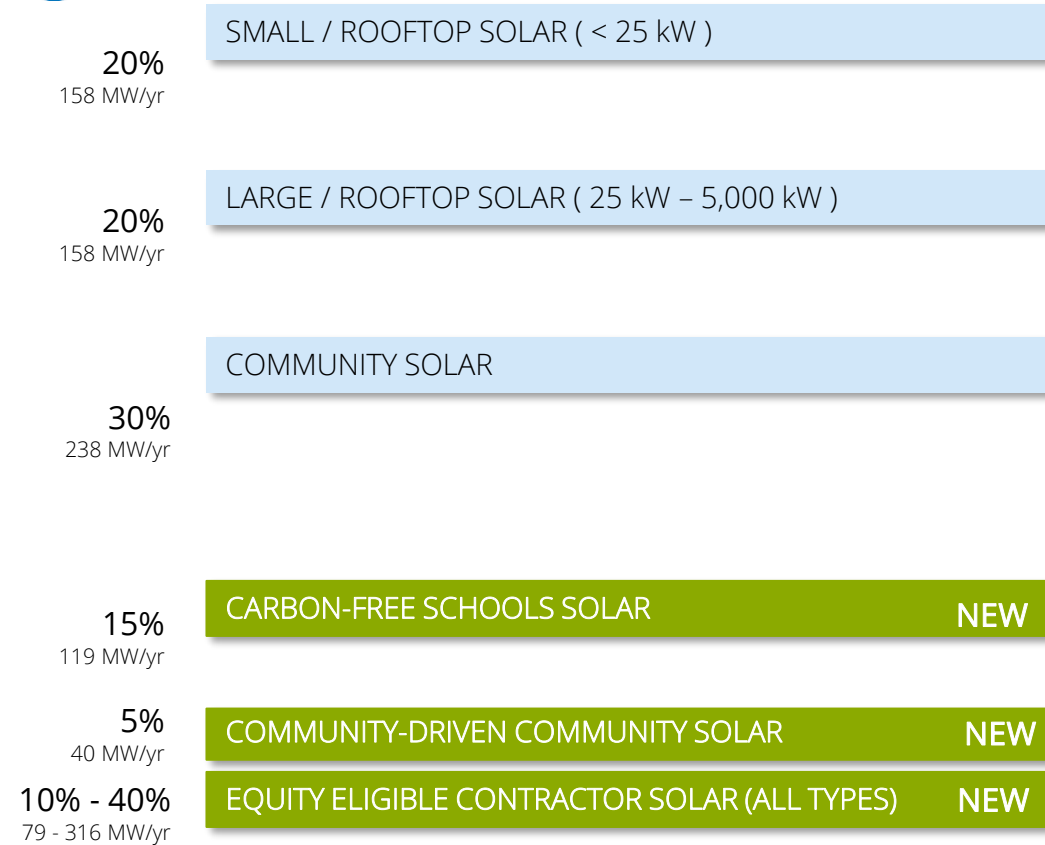


4,500 MW of New Wind Power by 2030





## Adjustable Block Program



### NEW SOLAR PROGRAMS

The Climate and Equitable Jobs Act includes three new solar programs in the Adjustable Block Program, to provide targeted incentives to portions of the market that have difficulty accessing traditional solar incentives.

#### CARBON-FREE SCHOOLS SOLAR

Solar projects located at public schools, with a priority for under-resourced Tier 1 and Tier 2 schools, to support building decarbonization.

#### COMMUNITY-DRIVEN COMMUNITY SOLAR

Community Solar projects that have substantial community involvement, benefits, and ownership.

#### EQUITY ELIGIBLE CONTRACTOR SOLAR

Solar projects led by equity eligible contractors, that can be of any adjustable block program category (small, large, community, schools, community-driven).

## Solar / Renewable Energy:

- *Funding significant RECs via Adjustable Block Program*
- 15 years at time of installation (~\$1,200/kW ,10 kW)
- Net Metering
- 30% Federal income tax credit through 2032
- Typical payback 6 to 8 years

IPA [Long Term Renewable Resources Procurement Plan](#)

Adjustable Block Program → based on size, use case

Table 3-12: RPS Funds and Expenditures (\$ millions)<sup>166</sup>

Delivery Year	Delivery Year Starting Balance	RPS Collections	Total Funds Available	Total Expenditures	Delivery Year Ending Balance
2020-2021	\$461.63	\$225.24	\$686.87	\$282.74	\$404.13
2021-2022	\$404.13	\$464.74	\$868.87	\$331.60	\$537.27
2022-2023	\$537.27	\$587.46	\$1,124.74	\$699.14	\$425.60
2023-2024	\$425.60	\$588.99	\$1,014.58	\$571.33	\$443.25
2024-2025	\$443.25	\$587.12	\$1,030.37	\$598.77	\$431.60
2025-2026	\$431.60	\$585.11	\$1,016.71	\$572.52	\$444.19
2026-2027	\$444.19	\$585.76	\$1,029.95	\$558.05	\$471.90
2027-2028	\$471.90	\$587.51	\$1,059.41	\$606.24	\$453.17
2028-2029	\$453.17	\$590.39	\$1,043.56	\$642.08	\$401.48
2029-2030	\$401.48	\$591.12	\$992.60	\$632.38	\$360.22
2030-2031	\$360.22	\$592.98	\$953.20	\$652.03	\$301.17

Table 7-5: Proposed ABP REC Prices (\$/REC) for Delivery Year 2022-23<sup>349</sup>

Block Category/Size		Group A (Ameren Illinois, MidAmerican, Mt. Carmel, Rural Electric Cooperatives, and Municipal Utilities located in MISO)	Group B (ComEd, and Rural Electric Cooperatives and Municipal Utilities located in PJM)
Small DG	≤10 kW	\$78.51	\$82.28
	>10 - 25 kW	\$66.39	\$71.89
Large DG	>25 - 100 kW	\$57.94	\$62.23
	>100 - 200 kW	\$58.85	\$59.02
	>200 - 500 kW	\$52.35	\$53.11
	>500 - 2,000 kW	\$50.42	\$47.63
	>2,000 kW – 5,000 kW	\$40.90	\$33.31
Public Schools (20 years)	≤ 25 kW	\$74.95	\$81.16
	>25 - 100 kW	\$65.57	\$70.42
	>100 - 200 kW	\$66.40	\$66.59
	>200 - 500 kW	\$58.94	\$59.81
	>500 - 2,000 kW	\$56.73	\$53.59
Traditional Community Solar (20 years)	>2,000 kW – 5,000 kW	\$45.72	\$37.23
	≤ 25 kW	\$56.23	\$61.54
	>25 - 100 kW	\$59.19	\$64.39
	>100 - 200 kW	\$60.85	\$65.23
	>200 - 500 kW	\$57.22	\$62.09
Community- Driven Community Solar	>500 - 2,000 kW	\$51.32	\$55.50
	>2,000 kW – 5,000 kW	\$45.50	\$47.78
	≤ 25 kW	\$71.60	\$78.27
	>25 - 100 kW	\$75.34	\$82.16
	>100 - 200 kW	\$77.27	\$83.42
	>200 - 500 kW	\$72.47	\$79.19
	>500 - 2,000 kW	\$64.76	\$70.12
	>2,000 kW – 5,000 kW	\$56.85	\$59.44



## RENEWABLE ENERGY PROGRAMS

MEASURE	DESCRIPTION
<b>RENEWABLES</b>	
Renewable Energy Credits	<b><u>REC budget increases from \$230 million/year to \$580 million/year.</u></b> More focus on small solar and behind the meter projects. REC contracts cover ~ 50% of solar project costs.
Battery Storage Grant	Utility grant for battery storage paired with distributed solar. <b><u>Incentive covers ~ 50% of battery costs.</u></b> (≥\$250 (commercial) to (≥\$300 (residential)/ kWhr storage of nameplate DC DER capacity)
Smart Inverter Grant	Utility grant for smart inverters on distributed solar. <b><u>Incentive covers ~ 25% of costs @\$250/kW.</u></b>
Community Solar	More community solar projects, increased on-bill credits for consumers, special incentives for projects that are closer to consumers, <b><u>and have local partners (e.g., local government)</u></b>





# Energy Efficiency

- [ComEd Energy Savings Programs](#)
  - Free energy audits
  - Appliance rebates
  - Smart Thermostats
  - HVAC discounts
  - Heat pumps
  - Geothermal
  - Weatherization
  - Faucets
  - Etc.
- [Rate programs](#)
- [ComEd Marketplace](#)





# CEJA (Illinois) EV Incentives

MEASURE	RESPONSIBLE ENTITIES	DESCRIPTION	TIMING	ELIGIBLE APPLICANTS	QR Code
<b>Climate and Equitable Jobs Act (CEJA)</b>					
<a href="#"><u>Climate and Equitable Jobs Act (CEJA)</u></a>	Various	CEJA Full Legislative Text.	2022 and beyond	All	
<a href="#"><u>EV Rebates: Illinois EPA Program</u></a>	IL EPA	CEJA Program IEPA Program: \$4,000 per Battery EV as defined in link. \$2,000 after 2026, \$1500 after 2028 In CEJA: refer to pp 192, Sec. 45 (a)(1) Active 7/1/2022	Active 7/1/2020	Passenger Battery EV Purchasers	
<a href="#"><u>EV Charging Rebates: Illinois EPA Program</u></a>	IL EPA	CEJA Program "Up to" 80% of make ready infrastructure Active 2023. IEPA site to provide details once announced at link.	Likely Q12023	Likely to focus on Public Charging. L2 & DCFC	
<a href="#"><u>Beneficial Electrification</u></a>	CEJA/ICC/ Utilities	CEJA Program Integrate EV charging with renewables, energy storage, Vehicle to "X". Grid load optimization and programs to reduce consumer costs. Considers equity. Active 2023. May integrate utility paying for EVCI and recovering investment over time through special EV tariffs, combined with time of use rates. Ref. pp 192, 20 ILCS 627/45, Sec. 45.	2023 launch	Private & Public organizations, MFDs likely included. May be tied to rate class. L2 & DCFC	

# Volkswagen Consent Decree: "VW Fund"

- **\$15 Billion US**
  - Offset unmeasured emissions from VW's
  - In priority areas
  - [Illinois \\$108 million](#)
    - Light Duty ZEV Supply Equipment Projects: Up to 15 percent
    - All-Electric School Bus Projects: Up to 32 percent
    - All-Electric Public Transportation Projects: Up to 32 percent
    - Class 4-8 local freight trucks: Up to 19 percent

[Illinois EPA VW Plan](#)

US EPA Fact Sheets: <https://www.epa.gov/enforcement/volkswagen-clean-air-act-civil-settlement>



# Federal Programs



## KEY PROGRAMS

- IIJA /BIL signed on 11/15/2021.
- 1600 pages
- Total cost of approximately \$1.2 trillion over 5 years
- Provides an incremental \$550 billion over baseline
- Focus on national infrastructure priorities
- Green heading have climate impacts

### TRANSPORTATION

- Reauthorized and expanded funding for Highways, Roads, and Bridges
- Permit Streamlining
- **Transportation Electrification**
- **Climate**
- **Rail**
- **Public Transit**
- Airports
- Ports

### RESILIENCY

- Wildfire resilient power transmission
- Wildfire mitigation and prevention
- **Flood mitigation**
- **Critical infrastructure improvements**

### POWER/ENERGY

- **Grid resiliency**
- **Weatherization assistance**
- **Smart Cities/Smart Grid**
- **Low carbon alternatives for transportation**
- **Battery development**
- **Energy Efficiency Conservation Blocks**
- **Hydroelectric facility improvements**

### ENVIRONMENTAL REMEDIATION

- Brownfield remediation

### DRINKING & WASTEWATER

- Water and wastewater infrastructure projects
- Water contaminants

### WESTERN WATER STORAGE

- Wildfire risk mitigation
- Western Water infrastructure
- Forest service road and trails improvements

### BROADBAND

- Broadband deployment
- “Middle Mile” broadband system expansion
- Better cybersecurity



## MOVING FORWARD

Other related resources





### “JUSTICE 40” Initiative Executive Order

- January 2021
- 40% of overall benefits from federal investment in climate and clean energy are to be realized by disadvantaged communities.
- Create good-paying union jobs and an equitable clean energy future
- Building modern and sustainable infrastructure
- Restore scientific integrity and evidence-based policymaking across the federal government
- Re-establishing the President’s Council of Advisors on Science and technology
- Preceded IJJA, but is applicable to IJJA programming
- [The Path to Achieving Justice40](#)


### Additional Information from Informed Sources (links are live)

- [American Gas Association \(AGA\)](#)
- [American Public Power Association \(APPA\)](#)
- [American Public Transportation Association \(APTA\)](#)
- [American Public Works Association \(APWA\)](#)
- [American Water Works Association \(AWWA\)](#)
- [Fiber Broadband Association \(FBA\)](#)
- [International City/County Management Association \(ICMA\)](#)
- [National Association of Counties \(NACO\)](#)
- [National Association of Regional Councils \(NARC\)](#)
- [Water Environment Federation \(WEF\)](#)
- [US Department of Transportation](#)
- [US Environmental Protection Agency.](#)

# IRA EV Incentives

Inflation Reduction Act				
MEASURE	DESCRIPTION	ELIGIBLE APPLICANTS	TECHNOLOGY	QR Code
<b>EVSE and EVCI Incentives</b>				
<a href="#">IRA: Personal: Alternative Fuel Vehicle Refueling Property Tax Credit</a>	Tax credit for residential, multifamily <b>Level 2 EV charging</b> . 30% TIC up to \$1,000 tax credit 1/1/2023 to 12/31/2032	Residential , Multi-Family Dwelling, Income qualified Residential: Level 2 EVCI	Level 2	
<a href="#">IRA: Corporate: Alternative Fuel Vehicle Refueling Property Tax Credit</a>	Tax Credits for Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government <b>Level 2 &amp; DCFC EV charging</b> . \$100,000 tax credit 1/1/2023 to 12/31/2032	Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government,	L2, DCFC	
<b>EV Incentives</b>				
<a href="#">IRA: Previously Owned Clean Vehicle Tax Credits</a>	UP to \$4,000 for purchase o BEV or FHEV. Purchase price <\$25,000. Gross annual income constraints	Residential, Multifamily Residential, Low Income Residential	Passenger BEVs	
<a href="#">IRA: Clean Vehicle Credit ("30D" Credit)</a>	Up to \$7500, Buy America requirements 1/1/2023 to 12/31/2032	Commercial, Industrial, Residential, Agricultural	Passenger Plug in EVs	

## Bipartisan Infrastructure Law (BIL) aka Infrastructure Investment and Jobs Act (IIJA)

MEASURE	DESCRIPTION	ELIGIBLE APPLICANTS	TECHNOLOGIES	QR CODE
<a href="#">National Electric Vehicle Infrastructure ("NEVI") (\$5 BB total/ \$148 MM IL)</a>	<b>Fast Charging, Four 150 kW DCFC every 50 miles on interstates. 80% Total Installed Cost incentive/20% matching. Start 2023</b>	Corridor refueling investors and developers, community groups	Sets of four 150 kW EVSEs plus supporting EV charging Infrastructure	
<a href="#">Private-Public Charging &amp; Refueling Program (\$2.5 BB total)</a>	<b>Broader grant programs and incentives for EV charging and CNG Refueling. Focus on communities and rural area and larger EVs. Start 2023?</b>	Communities, including rural areas	EV Charging Infrastructure, TBD	
<a href="#">Clean Bus Grants (\$250 MM)</a>	<b>Low or No Emission Transit Vehicles &amp; Facilities</b>	Buses, ports, rail agencies	E-buses and EV charging infrastructure	
<a href="#">Clean School Buses (\$4 BB over 5 years)</a>	<b>State and transit agency funding for buses and facilities</b>	<b>State and transit agency funding for buses and facilities</b>	E-buses and EV charging infrastructure	
<a href="#">Clean Ferries and Ports</a>	<b>State and transit agency funding for buses and facilities</b>	Operation for marine ports, railyards, container ports, ferries	E-trucks and EV charging infrastructure	
<a href="#">Bus and Bus Facilities Grants Program</a>	Bus and bus facility modernization, include e-buses	Fixed-route bus operators, States (including territories and Washington D.C.) or local governmental entities that operate fixed route bus service, and Indian tribes.	Federal resources available to states and direct recipients to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities, including technological changes or innovations to modify low or no emission vehicles or facilities. Funding is provided through formula allocations and competitive grants.	



## Local Programs



# Other Regional Muni Programs: SolSmart

- Municipal program to assist communities in deploying rooftop solar
  - Streamline processes
  - Solar webpage for each community
  - Scoring system
  - Recognition system
  - 35 Chicago Communities are SolSmart

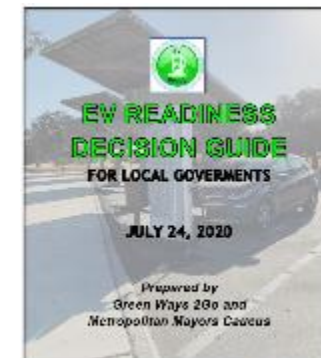


# Other Regional Muni Programs: EV Readiness



- Municipal program to assist communities as we electrify transportation
  - Streamline processes, leverage best practices, education for EVs, Charging and infrastructure
  - Program Launched Jan 2022
  - 16 communities in initial cohort

EV READINESS SUMMARY ACTIONS CHECKLIST
Commit to EV Readiness
Zoning and Planning
Permitting
Inspection and Safety
Parking and Access
New Construction
EV Owner Rights
Municipal Fleets
Utility Engagement
Community Engagement
Market Development and Finance



# EV READINESS FIRST LEARNING COHORT

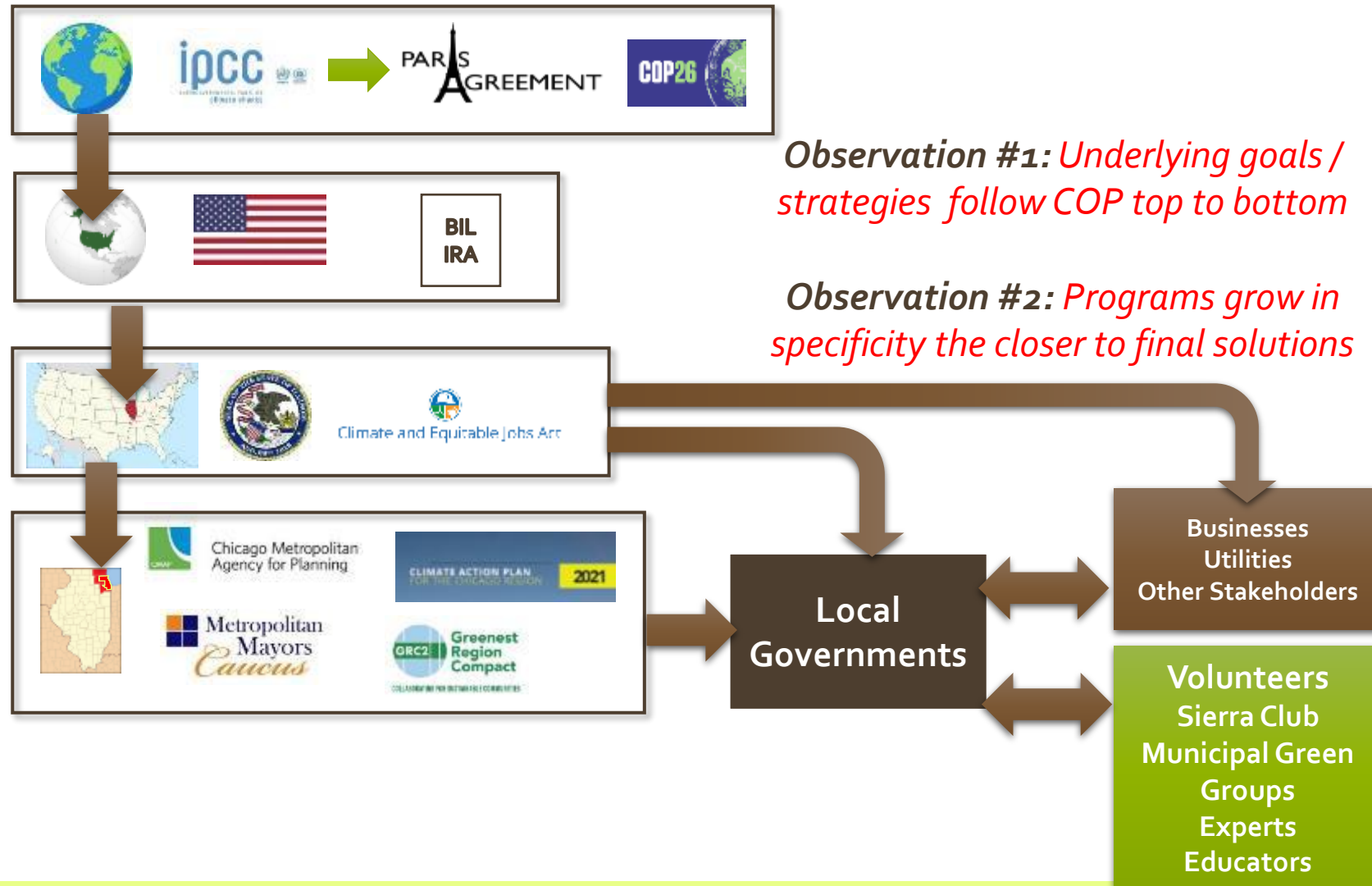
## Started January 2023!



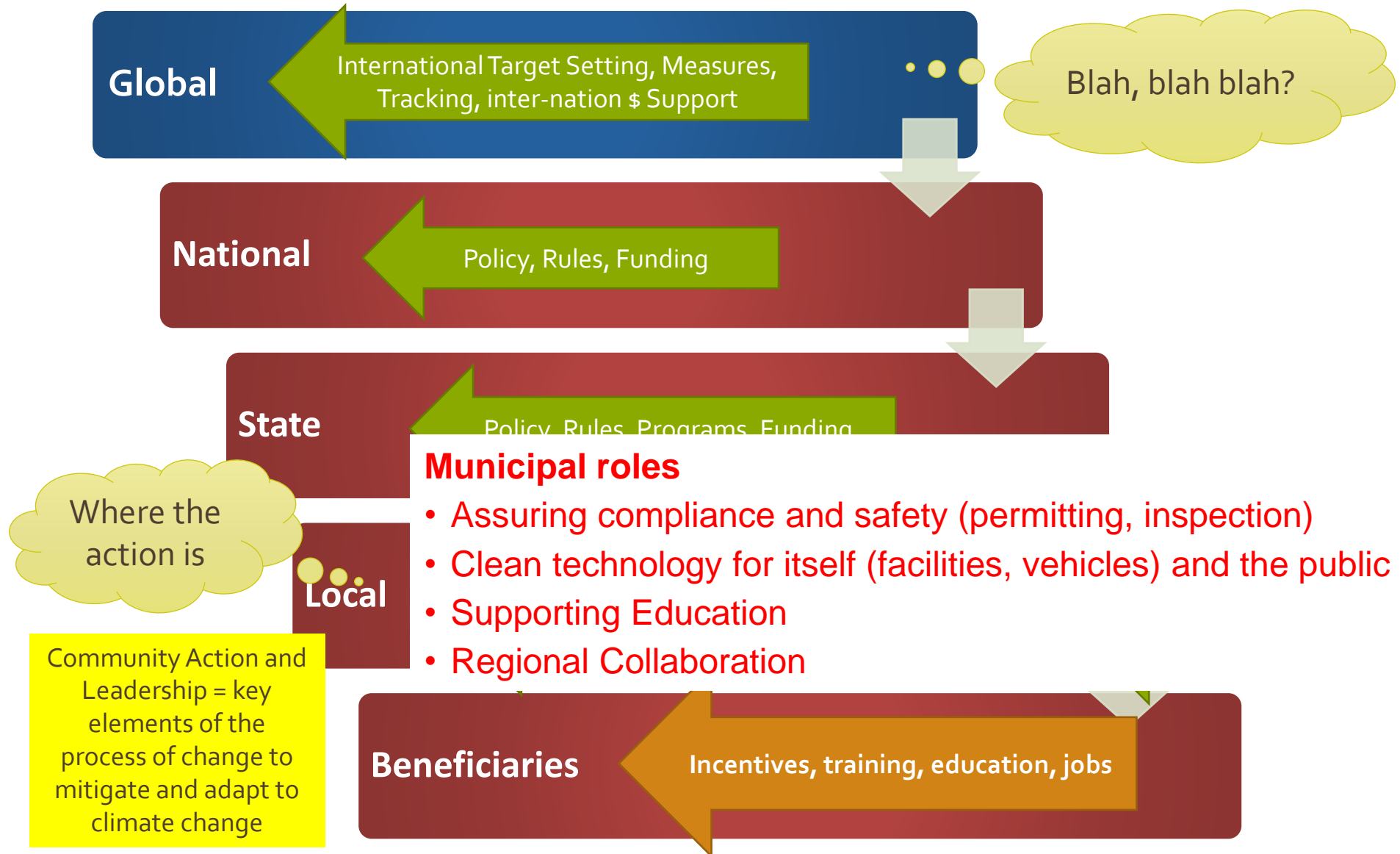
1. Aurora
2. Carol Stream
3. Chicago
4. Darien
5. Deer Park
6. Geneva
7. Glencoe
8. Hampshire
9. Hanover Park
10. Kane County
11. Maywood
12. Oak Park
13. Polo
14. Richton Park
15. Skokie
16. University Park



# Climate Change Mitigation and Adaptation: Players & Policy Direction



# Where What Happens Hierarchy



# Potential Municipal Actions that You can Influence

- **GAIN COMMITMENTS:**

- GRC and CAP

- **GROW AWARENESS - LEARN AND BE READY:**

- Study and plan to leverage range of incentives & programs to present to municipality and citizens

- **PLAN:**

- Identify opportunities and act when available

- **ACT:**

- When programs available, take advantage.
- Leverage Available Programs
  - EV Readiness
  - SolSmart
- Leverage Incentives
- Update policies
- Consider regional partnerships

- **EDUCATE:**

- Support local training programs for clean energy jobs
- Help communicate programs and incentives to staff, elected officials, residents, businesses, other organizations



**LEAD**



**ENCOURAGE**



**ENACT**



**COMMUNICATE**

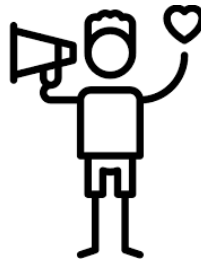
# Citizen/Constituent Action Goals w/ Municipal Leadership



**ENDORSE  
CANDIDATES**



**VOTE**



**RAISE AWARENESS**



**STIMULATE  
ACTIONS**



**GAIN  
MEASURABLE  
RESULTS**



# THANK YOU

## Questions?

*Tim Milburn*  
*logintim@gmail.com*  
*847-826-3314*





# Process and Tools

- Define processes and tools for grassroots groups to define, develop and launch sustainability strategies within and with their communities
  - Processes include a range of strategies and tactics
  - Tools include a range of sample documents, scripts, agendas and other templates; marketing tools, action lists, references, etc.

# Why Community Mapping?

- Be strategic and thoughtful in communities we're working in
- Identify resources & community assets
- Understand outlooks and leanings of community leadership
- Identify champions and leaders for sustainability
- Identify relationships you'd like to develop, strengthen
- Identify which team members will take on the responsibility for developing relationships with key stakeholders within the community
- Develop lists of key contacts/social networks
- Develop the right organizing strategy to bring together a base of supporters based on shared community interests and needs

# Types of Community Relationships

The communication process often starts with transactional interactions. A goal is to migrate toward transformational interactions, where relationships are strong enough to effect positive changes

<b>Transactional</b>	<b>Transformational</b>
Communication is urgent, driven by desire to “get to yes”; see person or constituency as “useful” or “strategic” to reaching goals; based on specific actions taken	Communication is respectful, open, humble, curious, patient; Goal is to gather and share information & opinions; listen and seek guidance
Flow: 1-way flow (we “educate” the stakeholder); Issue specific	Flow: 2-way; both parties gathering and sharing information
Short-term, based on policy or issue cycle	Long-term, based on building trust, respect, and mutual understanding
Action-oriented	Relationship-oriented
Takes action in support of grass roots activities	Jointly plans, implements campaign plans
Grants money to grass roots organizations	Raises revenue together

# Relationships

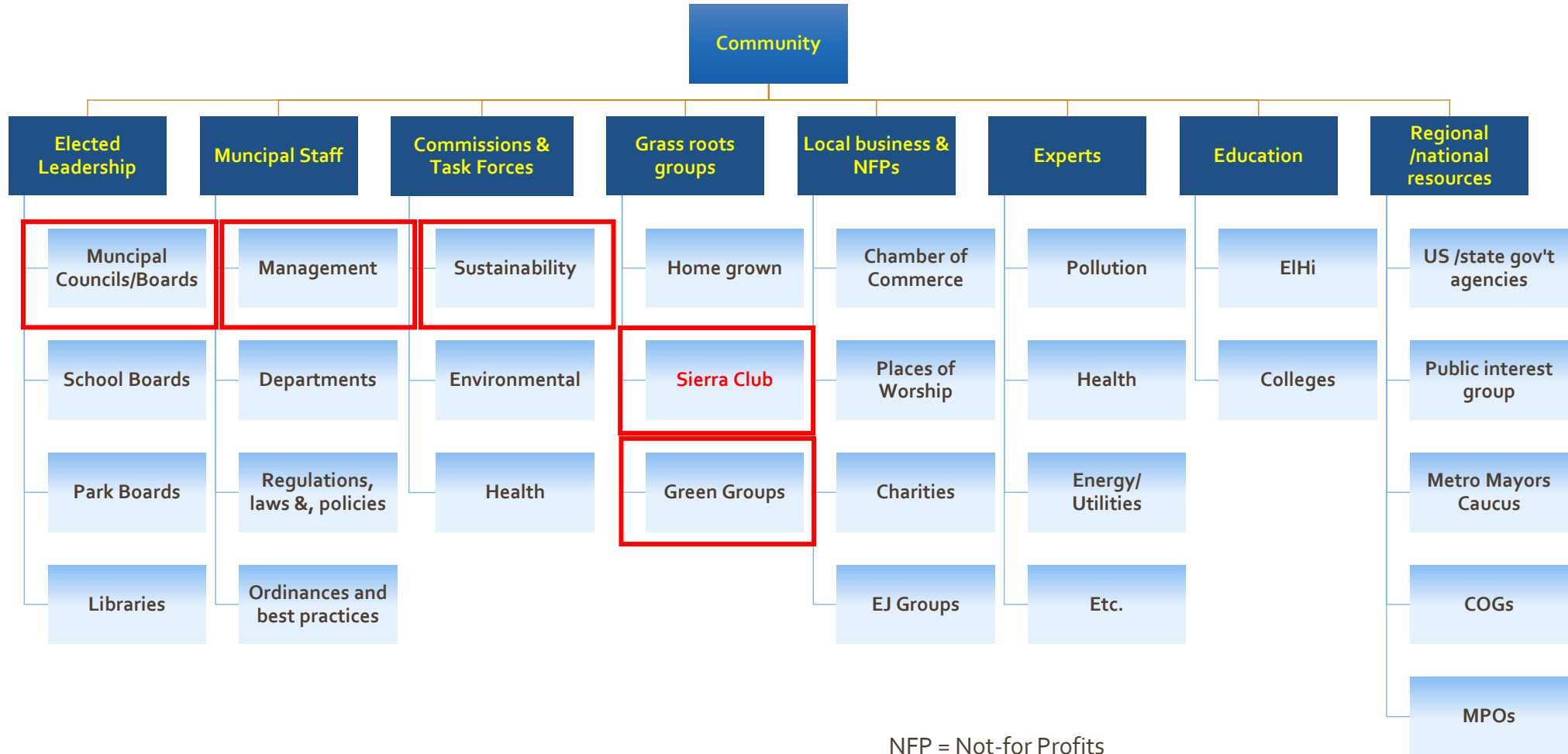
What types of groups in your community do you have relationships with?

Is there a type of group/institution where you'd like to build more relationships?

Who are stakeholders in issues you're working on/considering working on?



# Sustainable Community



NFP = Not-for Profits  
 COG= Council Of Government  
 MPO = Metropolitan Planning Organization

# Team Homework

- Internal: Map Your Team
  - Who knows who in the community?
  - What are pre-existing relationships?
  - What are available skills/expertise?
  - Who has time?
  - Who leads? Who helps?

# Team Homework

- External: Map Your Municipality
  - Learn about your municipal government
    - Type of government (Village Board/Trustee, City/Alderman)?
    - Who is on the City Council/Village Board? Tenures/ Election cycles
    - Who are key members of municipal staff, their titles and responsibilities?
    - Any other stakeholders of import?
  - History on environmental issues
    - Any known political stances (pro-green, anti-green)?
    - Organized sustainability program, ad hoc sustainability strategy or little to no sustainability strategy?
    - If possible, develop baseline list of historical and current sustainability initiatives and successes?
  - Define who to contact and best path(s) for starting dialogue, if not top elected officials

## Step 2: Build Teams

- Recruit people in and around your community
  - Be inclusive and diverse (age, culture, language)
  - Leverage collaborative resources
  - Reach out to like-minded groups
    - National
    - Local groups – interfaith, health issues, labor, Meetup, Youth Groups, Colleges, etc.
- Maintain good recruiting habits
  - When possible, meet one-on-one with new people to educate them on your goals, learn about them. Listen *and* inform at a good pace, so both parties are comfortable with the outcomes.
  - Invite to small and large group meetings to discuss issues and understand their best place on the team
  - Record and track information for current and future actions
- Communicate effectively with emails, Google Groups, Social Media and the like



# Discussion

- Who is currently involved with these kinds of efforts
- What's happening?
- What kind of help do you need?
- General comments?

# Climate and Equitable Jobs Act “CEJA”

**CEJA** – *Rate payer*-based energy programs = **no taxes**

- Bill becomes law (“Act”) August 2021 = funding and program mechanisms
- Starting with REC program for Utility Wind and Solar
- Then moving to distributed and community solar in 2019
- Don’t lose track of Energy Efficiency amidst the excitement of solar!
- **Opportunities for Energy Efficiency: NOW**

# New Renewable Portfolio Standard (RPS)

- New long-term planning process run by Illinois Power Agency
- Secure source of funding for at least **\$200 Million annually** in Renewable Energy Credit (REC) contracts
- Sets and prioritizes new wind and solar build targets:
  - **By 2020: 650 MW (wind); 1,350 MW (solar)**
  - **By 2025: 1,000 MW (wind); 2,000 MW (solar)**
  - **By 2030: 1,350 MW (wind); 2,700 MW (solar)**

# HVAC, Water Heating and Appliance Incentives

Equipment	Type	Rebate amount
Central Air Conditioner	≥ 18 Seasonal Energy Efficiency Rating (SEER)	\$450
Central Air Conditioner	≥ 16 SEER	\$350
Central Air Conditioner	≥ 15 SEER	\$250
Air Source Heat Pump	≥ 18 SEER	\$600
Air Source Heat Pump	≥16 SEER	\$500
Air Source Heat Pump	≥14.5 SEER	\$400
Ductless Mini-Split Heat Pump	≥ 17 SEER and ≥ 9.5 HSPF	\$400
Furnace Blower Motor (ECM)	Factory-installed	\$50
Furnace Blower Motor (ECM)	Upgraded fan in an existing furnace or air handler	\$100
Heat Pump Water Heater	≤ 55 Gallons	\$400
Geothermal Heat Pump	Installation must be pre-approved and completed by a ComEd Geothermal Trade Ally.	up to \$6,000/home

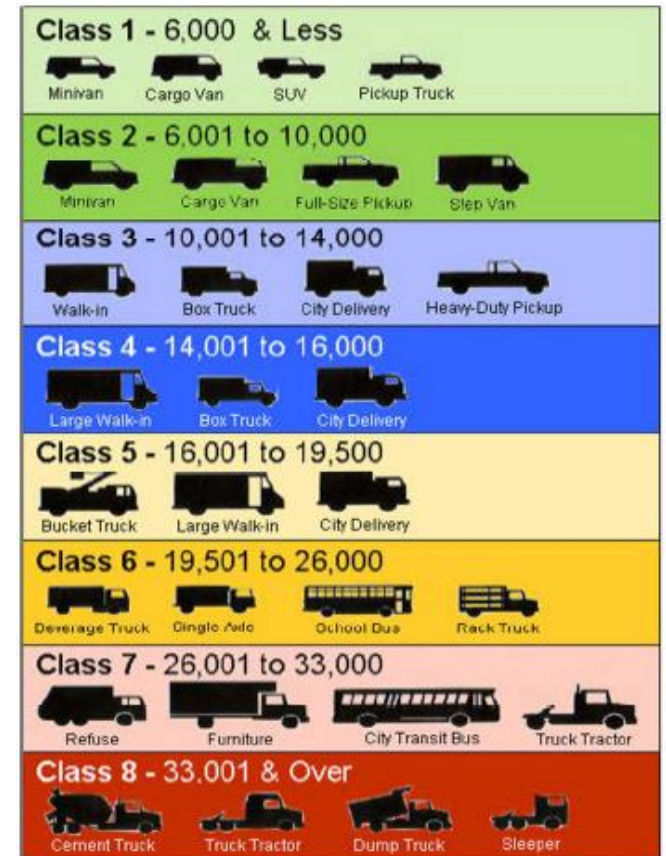
ENERGY STAR® Appliance	Size Requirement	Rebate Amount
Refrigerator	≥ 7.75 Cubic Feet	\$50
Freezer	≥ 7.75 Cubic Feet	\$25
Clothes Washer	No size restriction	\$50
Electric Clothes Dryer	≥4.4 Cubic Feet	\$50
Air Purifier	No size restriction	\$50
Room Air Conditioner	No size restriction	\$25
Ventilation Fan	No size restriction	\$25
Water Dispenser	Hot/cold combination	\$25
Dehumidifier	No size restriction	\$25

# Weatherization Incentives

Improvement	Quantity	Maximum Rebate
Attic Insulation	\$0.30-\$0.50/square foot	\$300
Air Sealing	\$0.40/CFM <sub>50</sub>	\$400
Duct Sealing	\$300/system	\$500
Wall Insulation	\$0.50/square foot	\$400

# Volkswagen Consent Decree: "VW Fund"

- Between 2018- 2028: \$15 Billion in US from VW
  - **App. C: ZEV Investment Commitment:** \$ 2.0 Billion (ZEV = BEVs, Hydrogen), ZEVs, Infra and Education
  - **App. D: Environmental Mitigation Trust Fund** \$ 2.7 Billion
    - Applies to 10 areas, including
      - Class 8 Local Freight and Drayage Trucks
      - Class 4-7 Local Trucks & Buses
      - Forklifts, Port Cargo equipment, Switchers, Ferries, Tugs, Ocean vessels, Airport Support
      - Alternative fuel vehicles (e.g. NG, Propane, Hybrids, EVs, repowers, hybridization)



# Volkswagen Consent Decree: "VW Fund"

## • App. D: Environmental Mitigation Trust Fund \$ 2.7 Billion

- EVs, Alt fuel vehicles (natural gas, propane), hybrids, diesel emission reduction
- Public and Private *vehicles and infrastructure* to reduce NO<sub>x</sub>
- 25% to 100% cost coverage –private vs. public (proposed)

Key Mitigation Considerations	Eligible Technologies	Eligible Vehicles & Equipment	
<b>1. NOx Reduction:</b> Number of vehicles and emissions per vehicle	All-Electric / Zero Emission Vehicles (ZEV)	1. Class 8 Trucks	6. Class 4-7 Trucks
<b>2. Human Risk / Exposure:</b> Location, routes, hours, in relation to population	Alternative Fuel (ex: CNG, propane)	2. School, Transit, & Shuttle Buses	7. Airport Ground Support Equipment
<b>3. Cost-Effectiveness:</b> Total costs and benefits of ownership	New Diesel / Hybrid Vehicles	3. Freight Switchers	8. Forklifts & Port Cargo Equipment
<b>4. Anticipated Market Impact:</b> Potential to develop new markets	High-Impact Midwest Opportunities	4. Ferries / Tugs	9. Light-Duty EV Infrastructure
<b>5. Public Benefit:</b> Opportunity to upgrade public assets		5. Ocean-Going Vessels	10. DERA Project Non-Federal Fund Match

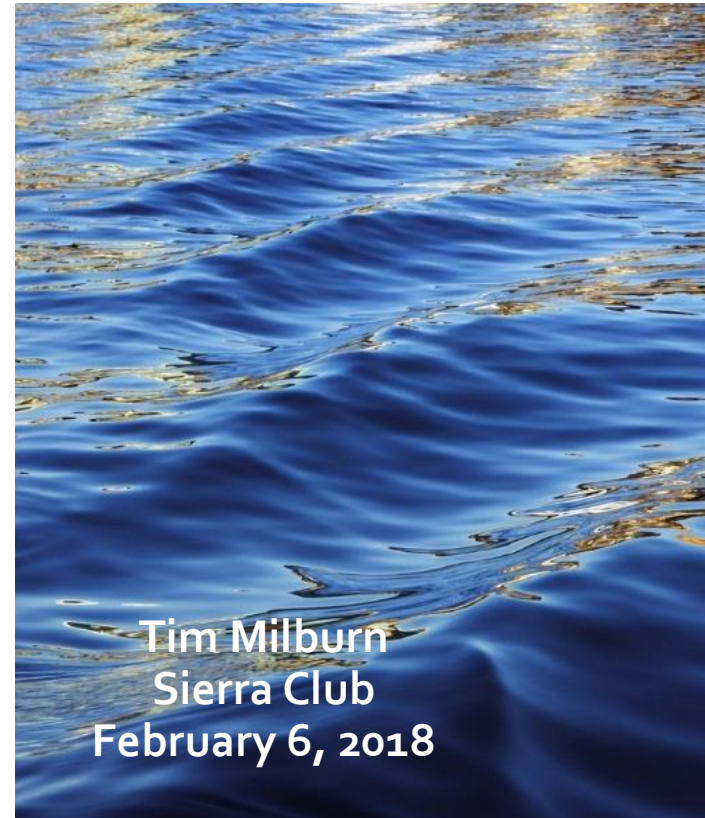
# Illinois Volkswagen Fund

- **App. C: ZEV Investment Commitment: ZEVs, Infra and Education**
  - Illinois - \$16.2 Billion
- **App. D: Environmental Mitigation Trust Fund**
  - Illinois - \$92 million
- Programs over 10 years
  - Administrator is IL EPA
  - Should start spring or summer 2018
  - Electrify America (VW company) – has committed \$12 MM to multiple Level 2 and seven Level 3 chargers in Illinois (mainly in Burbs)





Thank You



Tim Milburn  
Sierra Club  
February 6, 2018