



## **AGENDA**

**Committee on Intergovernmental Relations  
Wednesday, April 24, 2019 @ 8:00 a.m.  
Council Conference Room, City Hall 10<sup>th</sup> Floor**

Council Member Brian T. Jackson, Chair  
Council Member Jeremy Garza, Vice Chair  
Council Member Kathie Dunbar, Member

**1. Call to Order**

**2. Public Comment**

**3. Approval of Minutes**

April 10, 2019

**4. Discussion/Action:**

**A.) DISCUSSION** – Guest Kate Madigan with Michigan Climate Action Network will have open discussion regarding Municipal Climate Action Plans

**5. Other**

**6. Adjourn**



DRAFT



**MINUTES**

**Committee on Intergovernmental Relations  
Wednesday, April 10, 2019 @ 8:00 a.m.  
Council Conference Room, City Hall**

**CALL TO ORDER**

The meeting was called to order at 8:06 a.m.

**ROLL CALL**

Council Member Brian T. Jackson, Chairperson  
Council Member Jeremy Garza, Vice Chairperson - excused  
Councilmember Kathie Dunbar, Member

**OTHERS PRESENT**

LaSondra Crenshaw, Council Staff  
Joe Abood, Assistant, Law Department  
Andy Kilpatrick, Public Service Director  
Sharon Bannon, Citizen  
Marshall Clabeaux, Citizen  
MC Rothhorn, Citizen  
Linda Keefe, Citizen  
Ann Erhardt, Climate Action  
Z. Kris Wisniewski, Citizen

**PUBLIC COMMENT ON AGENDA ITEMS**

No Public Comment

Introductions

**MINUTES**

MOTION BY COUNCIL MEMBER DUNBAR TO APPROVE THE MINUTES FROM MARCH 27, 2019 AS PRESENTED. MOTION PASSED 2-0

# DRAFT

**DISCUSSION** – Guest Ann Erhardt with Commons Logic, LLC will have open discussion regarding the Climate Action Project

Council Member Jackson explained to Ms. Erhardt that so far the committee has brainstormed what the climate action plan would look like, however they are stuck on what is needed to move forward.

Ms. Erhardt explained to the group that she has been the Chief Sustainability Manager for MSU the past 6 years. She then advised that she has been hired to baseline the study off ground floor for the climate action plan, focusing on the core first which will lay the ground work for expanding in the community. For example she would like to make sure the following is captured, what is the city's vision, and the most important things going on now. Partners will be huge we will need to engage with business partners, investigate some funding partners, and explore opportunities for grants.

Council Member Brian Jackson stated to Ms. Erhardt that it seems she has a lot going on and asked her how she would do this considering she has another job. Ms. Erhardt advised she doesn't work alone she has an internal team, and having these conversations will assist.

Council Member Jackson stated that everyone has different visions and asked how she would determine the city's vision. Ms. Erhardt advised she will have conversations to see what everyone wants.

Council Member Jackson asked what the status of Ms. Erhardt's contract is. Mr. Kilpatrick advised the Mayor has to sign it.

Council Member Jackson asked Ms. Erhardt what will be her first step once the contract is signed. She advised she will get her team together, start collecting data, schedule meetings and phone calls.

Council Member Jackson asked Ms. Erhardt what she sees the end product looking like at the end of her contract. She advised there will be a draft of the Climate Action Plan, and various recommendations of what will happen next for the Mayor and City Council.

Council Member Dunbar suggested that Ms. Erhardt meet with the Internal Auditor or Angie Bennett near the end of the project to discuss cost projections.

Mr. Clabeaux stated that he is concerned that BW&L doesn't show up to these meetings. Council Member Jackson asked Ms. Crenshaw to make sure that BW&L is invited to future meetings.

Council Member Dunbar asked if the \$200,000.00 could be spent in a better way. She then asked if a portion of the money could be used to hire a person. Mr. Kilpatrick advised she could propose that and it could be considered.

Council Member Jackson asked what they could do as a City Council and Committee. Ms. Erhardt advised they could reach out to prospective stakeholders. He then asked if one of Ms. Erhardt's recommendations would be that the city needs a Stainability Manager. She stated that will most likely be the outcome.

Council Member Jackson asked Ms. Erhardt if she was optimistic that Lansing will receive grants. She advised that based on the conversations she has had so far it is very promising.

Mr. Abood asked if the city could accept grants from corporations or businesses. Council Member Dunbar advised that yes they can.

The group decided Ms. Erhardt will come to Intergovernmental Relations meeting May 8, 2019

The next meeting was set for April 24, 2019 at 8:00 a.m. with guest Kate Madigan with Michigan Climate Action Network.

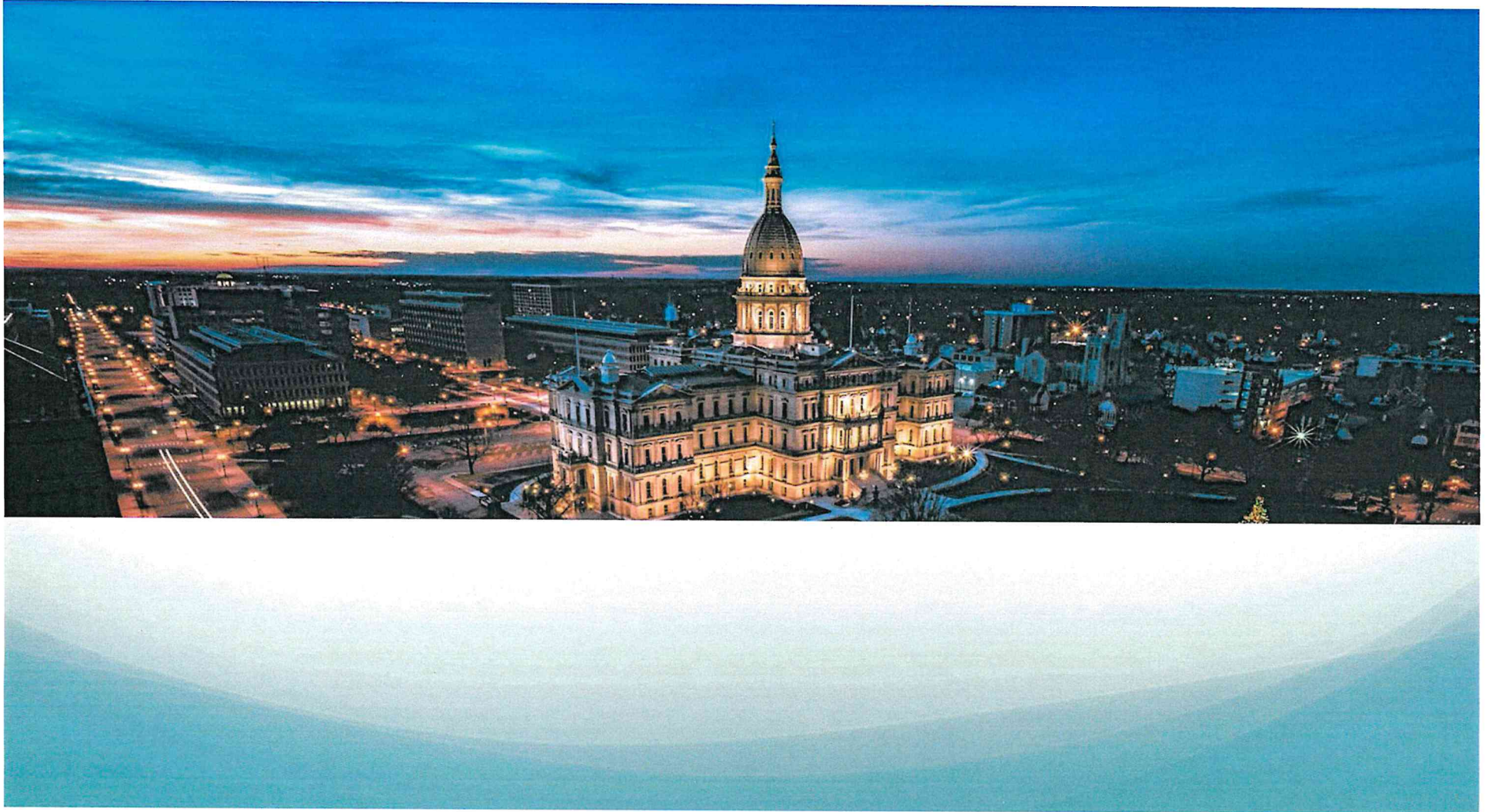
Adjourned at 8:58 a.m.

Submitted by,

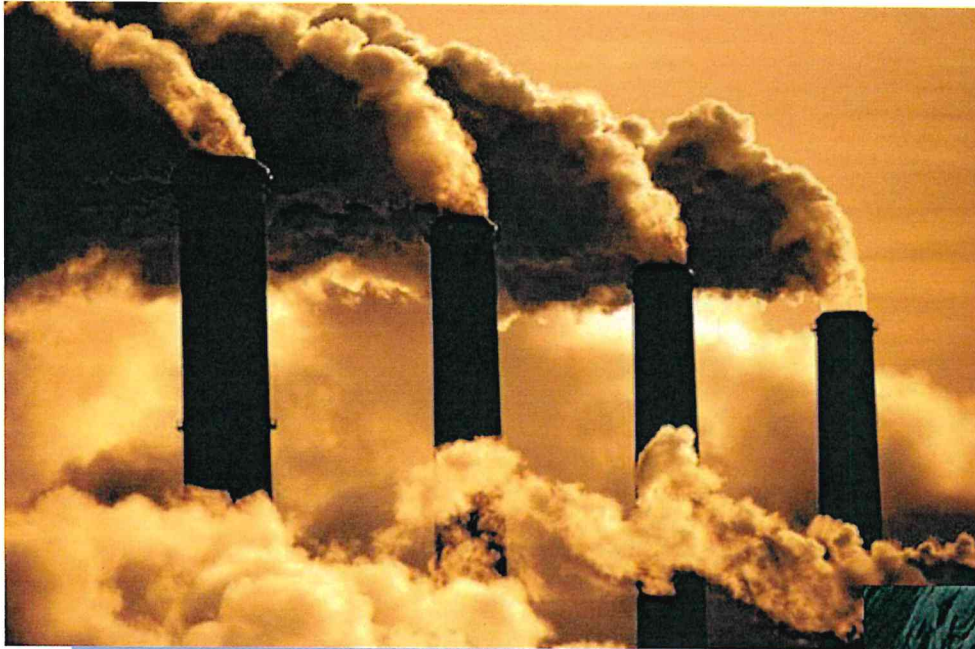
LaSondra Crenshaw, Administrative Assistant  
Lansing City Council

Approved \_\_\_\_\_

# Clean, Renewable Energy in Lansing



# Why Clean Energy?



# The power of 100% target setting



- 1) Demonstrates political will and raises ambition
- 2) Drumbeat of distributed victories shifts the national discourse
- 3) Mobilizes local stakeholders by providing an official mandate for action
- 4) Sends a signal to utilities
- 5) Achievable at the local level and helps shift state and national progress
- 6) Opens the door for development of strong energy and equity policies



# Cities are Leading the Way

U.S. Cities Committed to 100% Renewable Energy			
	City	Date	Other Goals
1	Albita Sprints, LA	2030	
2	Amherst, MA		
3	Village of Angel Fire, NM		
4	Atlanta, GA	2035	
5	Blacksburg, VA	2050	
6	Boulder, CO	2030	
7	Breckenridge, CO	2035	City operations 2025
8	Cambridge, MA	2035	Includes heat and transportation
9	Chula Vista, CA	2035	
10	Clarkston, GA	2050	
11	Columbia, SC	2036	
12	Cornish, NH	2030	Heat and transportation by 2050
13	Del Mar, CA	2035	50% by 2020
14	Denton, TX	2020	
15	Downington, PA	2035	Heat and transportation by 2050
16	Village of Eagle Nest, NM	2030	
17	East Hampton, NY	2020	Heat and transportation by 2050
18	Eau Clair, WI	2050	
19	Edmonds, WA	2025	City operations by 2019
20	Encinitas, CA	2030	
21	Fayetteville, AR	2050	City operations by 2030
22	Georgetown, TX	2017	
23	Goleta, CA	2030	
24	Hanover, NH	2030	Heat and transportation by 2050
25	Hillsboro, NC	2030	Heat and transportation by 2050
26	La Mesa, CA	2035	
27	Lafayette, CO	2030	
28	Longmont, CO	2030	
29	Madison, WI		
30	Menlo Park, CA	2030	Already 100% RE for city operations
31	Minneapolis, MN	2030	City operations by 2022
32	Moab, UT	2032	
33	Monterey, CA	2040	
34	Nederland, CO	2025	
35	Nevada City, CA	2030	Heat and transportation by 2050
36	Northampton, MA		
37	Orlando, FL	2050	City operations by 2030
38	Palo Alto, CA	2013	Carbon neutral
39	Park City, UT	2032	

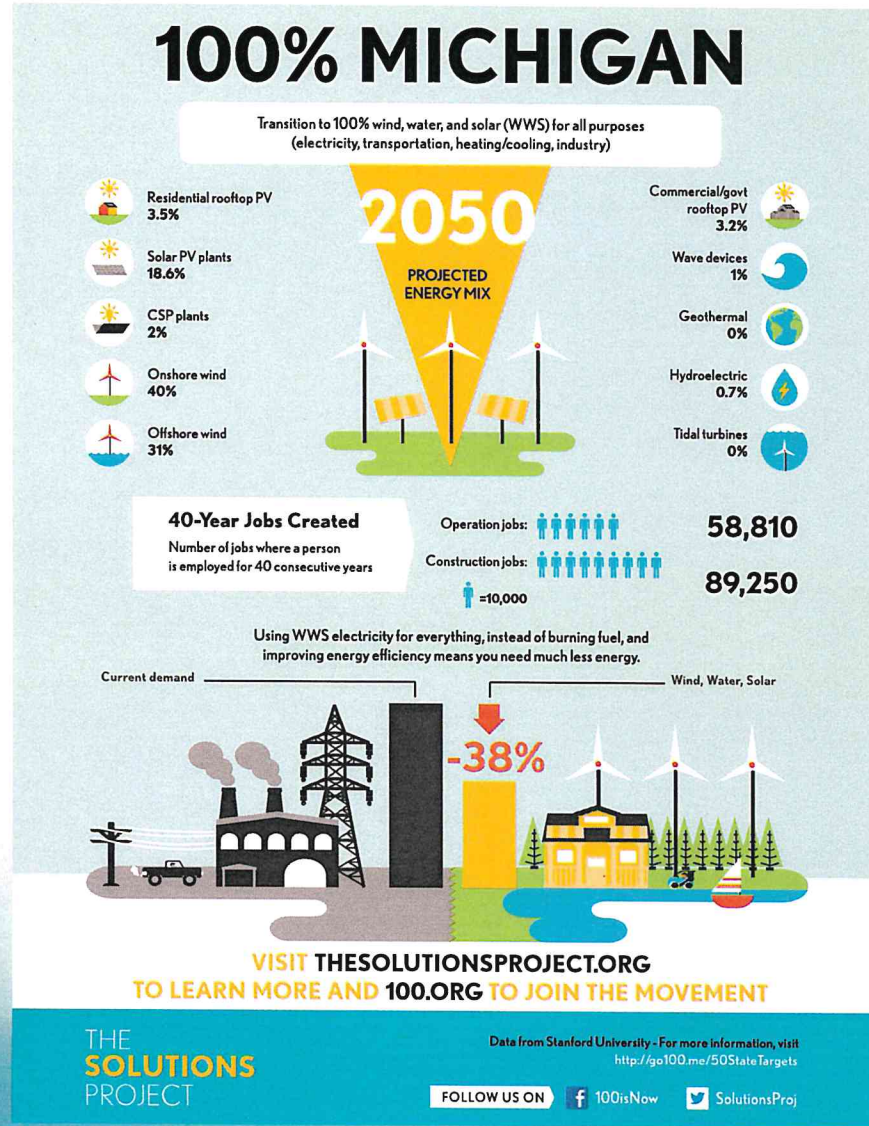
40	Phoenixville, PA	2035	Heat and transportation by 2050
41	Plainfield, NH	2030	Heat and transportation by 2050
42	Portland, OR	2035	Heat and transportation by 2050
43	Pueblo, CO	2035	Equitable access
44	Questa, UT	2030	
45	Town of Red River, NM	2030	
46	Salt Lake City, UT	2032	50% city operations by 2020
47	San Diego, CA	2035	
48	San Francisco, CA	2030	
49	San Jose, CA	2022	
50	Santa Barbara, CA	2030	50% city operations by 2020
51	Sarasota, FL	2045	
52	Solana Beach, CA	2035	
53	South Lake Tahoe, CA	2032	
54	Southampton, MA	2025	
55	St. Louis, MO	2035	
56	St. Louis Park, MN	2030	
57	St. Petersburg, FL		
58	Taos, NM	2030	
59	Taos Ski Valley, NM	2030	
60	Truckee, CA	2030	City operations by 2020, all sources by 2050
61	West Chester, PA	2035	Heat and transportation by 2050

Cities Powered by 100% Renewable Energy			
62	Aspen, CO	2015	Powered by 100% RE
63	Burlington, VT	2014	Powered by 100% RE
64	Greensburg, KS	2013	Powered by 100% RE
65	Kodiak Island	2012	Powered by 100% RE
66	Rock Port, MO		Powered by 100% wind

Counties Committed to 100% Renewable Energy			
67	Buncombe County, NH	2041	County operations by 2030
68	Floyd County, VA		
69	Multnomah County, OR	2035	All energy needs
70	Orange County, NC	2050	
71	Pueblo County, CO	2035	
72	Summit County, UT	2032	
73	Summit County, CO	2035	
74	Taos County, UT	2030	
75	Whatcom County, WA		

For more information: <https://www.sierraclub.org/ready-for-100/commitments>

# Benefits of Clean Energy



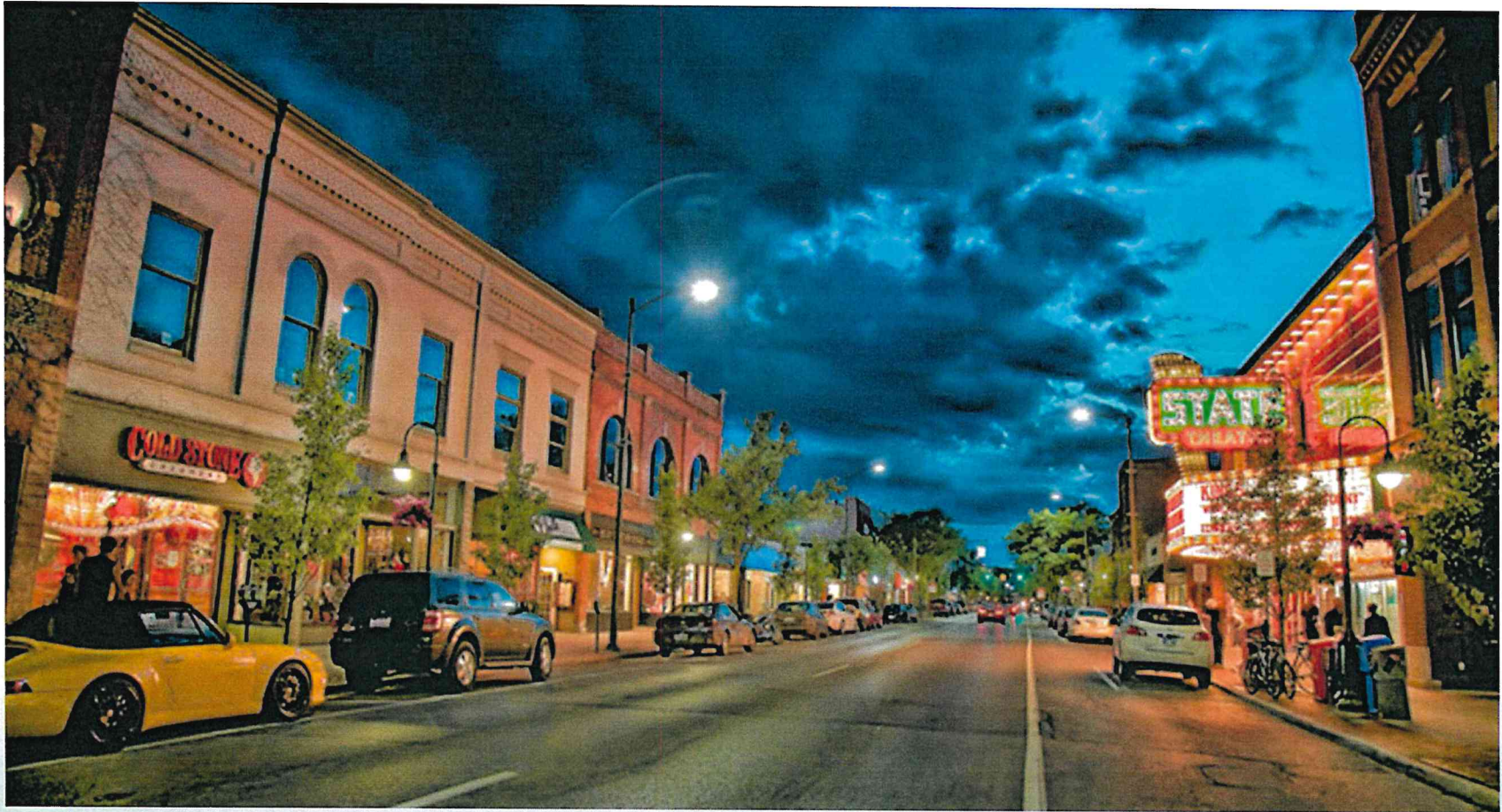
## Michigan Benefits:

- Create 150,000 jobs
- Save 1700 lives/year
- Save people \$11,000/year

# Mayors for Clean Energy



# Traverse City



# City of Traverse City Climate Action Plan

City Government Operations

For People, Place, and Planet

February 2011



# Traverse Heights Elementary



40 panels installed in April 2016

# City Commission 100% by 2020



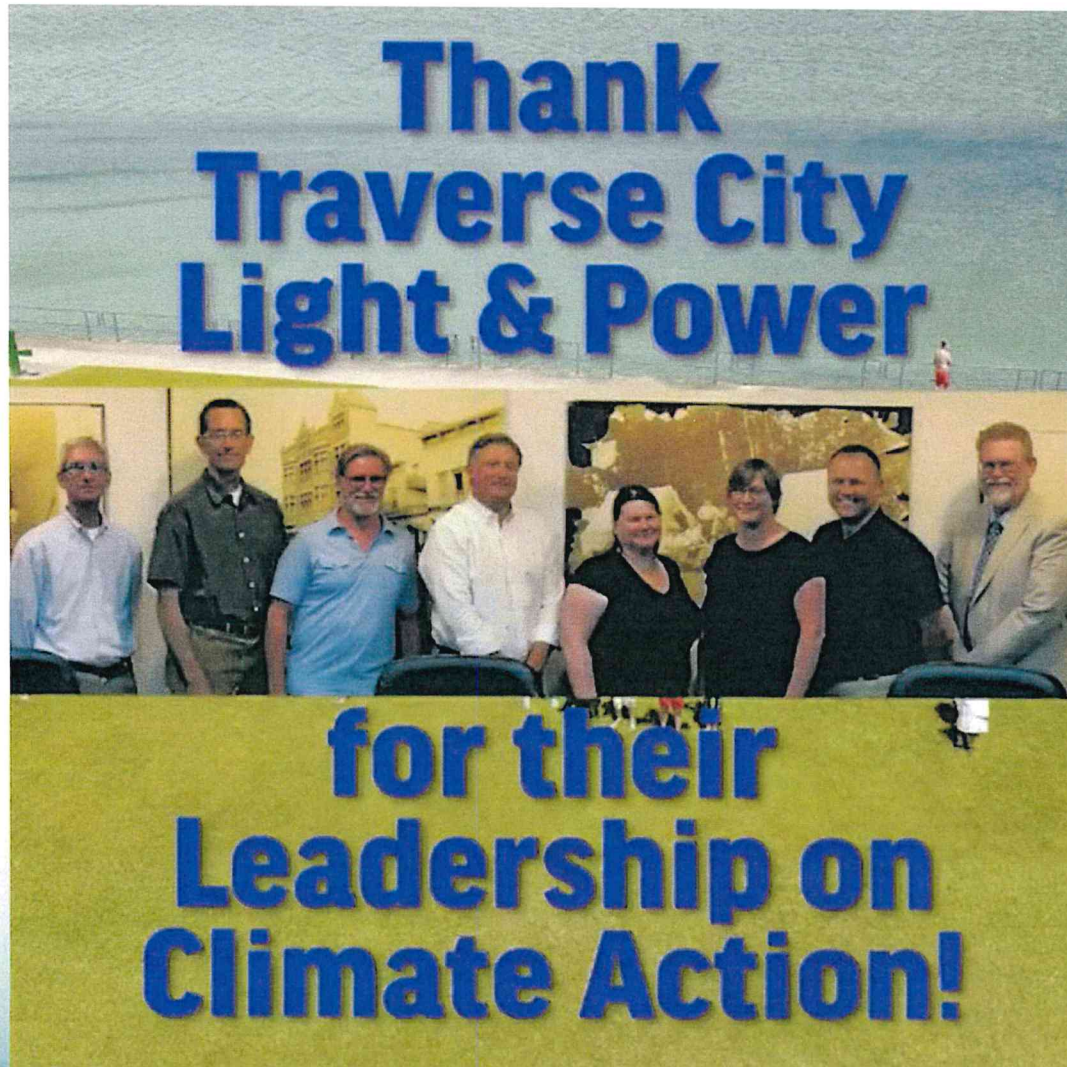
December 2016

# Local Solar – 1.2 MW



October 2017

# TCLP Sets 100% RE Goal



# Next Steps in Traverse City

- MPPA solar projects
  - RFP for local renewable projects.
  - 10% Efficiency goal
- Achieve through “additionality”  
Not RECs



# Keep In Mind

- Goals are important – think big!
- Municipally-owned utility – opportunity to get pro-clean energy leadership
- Low cost renewable energy – there are ways to get to 100% without paying a surcharge
- Equitable transition and everyone benefits
- Michigan Public Power Agency – works for the municipal utilities – projects and advocacy at state level
- Setting a goal helps reframe everything – a climate action plan and goal go hand in hand
- Efficiency is key – at the same time

# Climate Action Plans

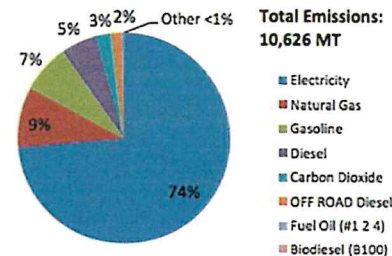
Year Executed	Description of Measure	Initial Cost	Annual Emissions Savings (MTCO <sub>2</sub> e)	Estimated Annual Savings	Energy Savings Account Balance	Contribution to Energy Savings Account (50% of Savings)						Total 5 Year Savings
						2011	2012	2013	2014	2015	Total	
2011	T-12 to T-8 Lighting Replacement	Already Paid	21.0	\$2,498	\$0	\$1,998	\$1,998	\$1,998	\$1,998	\$1,998	\$9,991	\$19,983
2011	VFDs for RAS Pumping At WWTP	Already Paid	150.1	\$17,852	\$0	\$14,282	\$14,282	\$14,282	\$14,282	\$14,282	\$71,409	\$142,819
2011	TCLP Upgrades Street Lighting to LED	Already Paid	97.6	\$11,604	\$0	\$9,283	\$9,283	\$9,283	\$9,283	\$9,283	\$46,416	\$92,832
2011	Senior Center Boiler Upgraded	Already Paid	2.1	\$345	\$0	\$276	\$276	\$276	\$276	\$276	\$1,380	\$2,761
<b>2011 Year End Totals</b>		<b>\$0</b>	<b>270.7</b>	<b>\$32,299</b>	<b>\$25,839</b>	<b>\$25,839</b>						
2012	Optimize Interior Lighting with Delamping	\$0	21.0	\$2,498	\$25,839	\$1,998	\$1,998	\$1,998	\$1,998	\$1,998	\$7,993	\$15,986
2012	Computer Energy Efficient Settings	\$0	19.7	\$2,340	\$25,839	\$1,872	\$1,872	\$1,872	\$1,872	\$1,872	\$7,489	\$14,977
2012	Promote Lights Out Policy	\$0	11.8	\$1,407	\$25,839							
2012	Office Resource Conservation Initiative (Reduce Solid Waste 10%)	\$0	26.3	\$0	\$25,839							
2012	Install Programmable Thermostats/EMS	\$3,197	21.4	\$3,015	\$22,642							
2012	Reduce Unnecessary Electrical Loads	\$1,685	13.5	\$1,601	\$20,957							
2012	Install Occupancy Sensors	\$580	1.8	\$214	\$20,377							
2012	Replace Exit Signs with LEDs	\$1,425	5.1	\$607	\$18,952							
2012	Remaining T-12 to T-8 with DeLamping	\$18,000	21.4	\$2,550	\$952							
2012	Install Vending Meters	\$700	4.7	\$563	\$252							
<b>2012 Year End Totals</b>		<b>\$25,587</b>	<b>146.7</b>	<b>\$14,795</b>	<b>\$37,270</b>							
2013	Efficient Driving Campaign with Training	\$0	38.7	\$8,601	\$37,270							
2013	Community Water Conservation Initiative (Reduce Use by 5%)	\$0	60.9	\$0	\$37,270							
2013	HVAC System Retro-Commissioning	\$10,000	26.8	\$10	\$27,270							
2013	Upgrade Exterior Lighting	\$27,000	23.0	\$2,742	\$270							
<b>2013 Year End Totals</b>		<b>\$37,000</b>	<b>149.4</b>	<b>\$11,353</b>	<b>\$46,371</b>							
2014	Use Smaller Fleet Vehicles	\$0	17.2	\$5,157	\$46,371							
2014	20% Increase in Recycling	\$0	37.2	\$0	\$46,371							
2015	Upgrade Exterior Lighting	\$46,000	39.3	\$4,671	\$371							
<b>2014 Year End Totals</b>		<b>\$46,000</b>	<b>93.7</b>	<b>\$9,828</b>	<b>\$54,334</b>							
2015	Promote Low Carbon Commuter Options	\$0	8.9	\$0	\$54,334							
2015	Use Bikes at on the Job	\$0	4.5	\$1,340	\$54,334							
2015	Upgrade Exterior Lighting	\$54,000	46.1	\$5,483	\$334							
<b>2015 Year End Totals</b>		<b>\$54,000</b>	<b>59.5</b>	<b>\$6,823</b>	<b>\$334</b>							
<b>Cumulative Totals</b>		<b>\$162,587</b>	<b>720.0</b>	<b>\$75,098</b>								

Five Year Potential Reinvestment Scenario

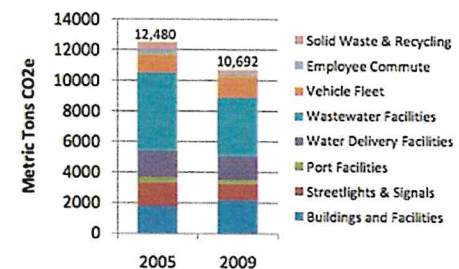
## A STARTING POINT: BASELINE INVENTORY & UPDATE

Strategic action begins with an analysis of operational assets and liabilities and progress is gauged against benchmarks of performance. In 2008 the City completed a baseline inventory of energy use and greenhouse gas emissions generated by City government operations. As part of this action plan operational costs, energy use, and emissions were again inventoried for the year 2009. This interim inventory indicated that, as in 2005, the Wastewater Facilities sector of operations represents the largest portion of City government emissions and that the primary energy source contributing to these emissions is electricity. The 2009 annual emissions inventoried were 10,692 MT CO<sub>2</sub>e, 14% below the 2005 baseline. This reduction was achieved in part through LED traffic signal retrofits, turning off unnecessary lighting at the marina, recycling waste generated during the Spring Clean-up, and lighting retrofits in buildings, but was primarily due to process optimization and biogas utilization at the City's regional wastewater treatment plant.

2009 CO<sub>2</sub>e Emissions by Source



2005 & 2009 CO<sub>2</sub>e Emissions by Sector



# Thank You!



**MICHIGAN  
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