




METRO KC
**CLIMATE
ACTION
COALITION**

Air and Waste Management Association
October 1, 2019
Tom Jacobs





“Facing the skepticism of certain heads of state and the cowardice paralyzing others, we respond guided by a single principle: action. And we apply a single method that consists of knocking down walls and putting up bridges.”

– Mayor Ann Hidalgo



IPCC Report



- Human activities are estimated to have caused approximately 1.0 C of global warming above the pre-industrial level.
- Global warming is likely to reach 1.5 C between 2030 and 2052 if it continues to rise at the current rate.
- Limiting warming to 1.5 C will require transformative systemic changes, integrated with sustainable development
 - 50% GHG reduction by 2030



My Motivation





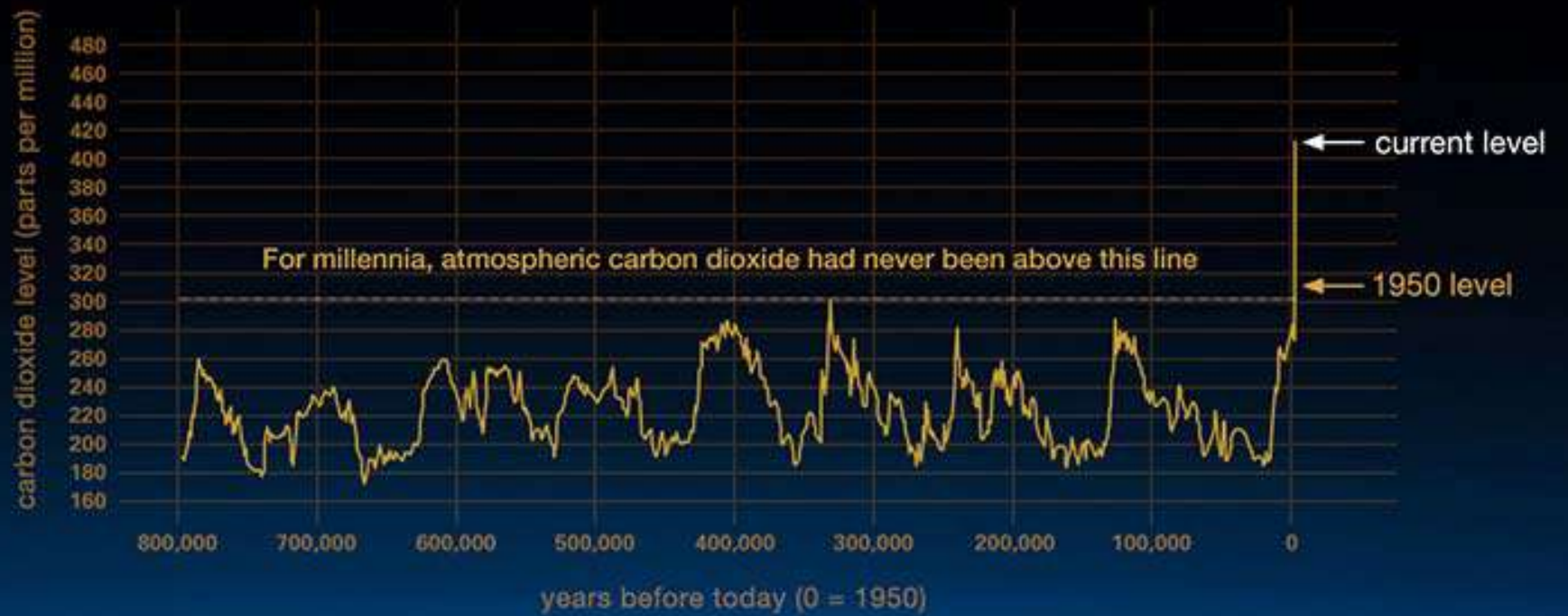
Climate Disruption Index

Increased drought and flooding and urban heat islands expected in the Kansas City region



KC ranks 5th of cities to be most impacted by climate change

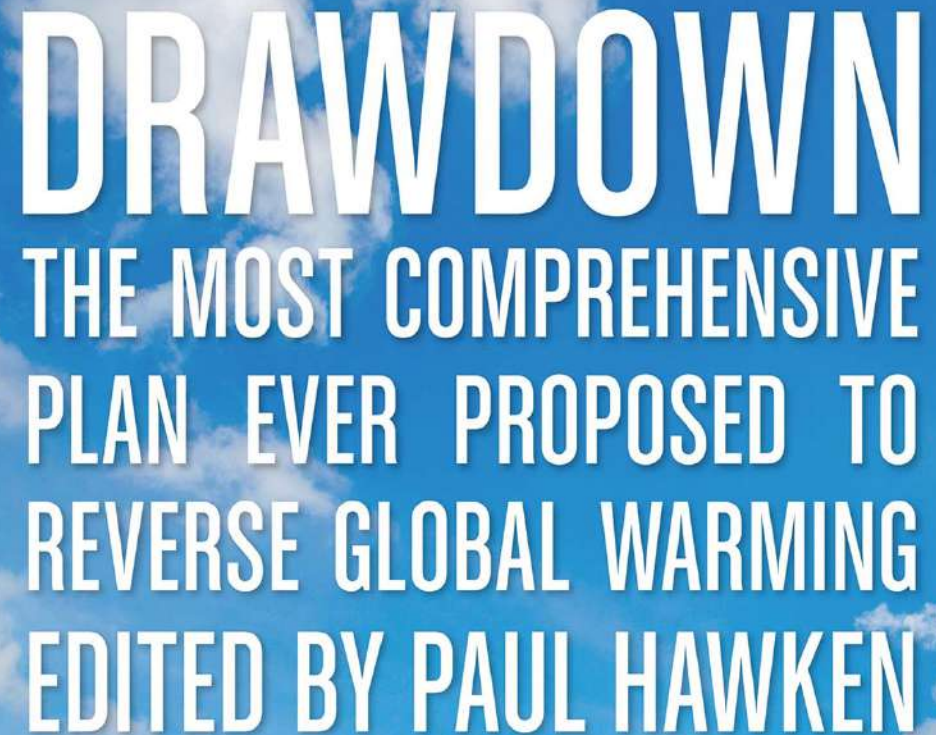
A coastal city submerged under water is the typical depiction of a climate change worst-case scenario. However, a Weather Channel report ranks Kansas City 5th in the top 25 list of U.S. cities to be most impacted.





The Goal:

To determine whether it is possible to reverse global warming by identifying, measuring and modeling the most impactful solutions to either reduce emissions or remove greenhouse gases from the atmosphere.



DRAWDOWN

THE MOST COMPREHENSIVE
PLAN EVER PROPOSED TO
REVERSE GLOBAL WARMING
EDITED BY PAUL HAWKEN

READ BY CHRISTOPHER SOLIMENE



Rank	Solution	Sector	TOTAL ATMOSPHERIC CO2-EQ REDUCTION (GT)	NET COST (BILLIONS US \$)	SAVINGS (BILLIONS US \$)
1	Refrigerant Management	Materials	89.74	N/A	\$-902.77
2	Wind Turbines (Onshore)	Electricity Generation	84.60	\$1,225.37	\$7,425.00
3	Reduced Food Waste	Food	70.53	N/A	N/A
4	Plant-Rich Diet	Food	66.11	N/A	N/A
5	Tropical Forests	Land Use	61.23	N/A	N/A
6	Educating Girls	Women and Girls	51.48	N/A	N/A
7	Family Planning	Women and Girls	51.48	N/A	N/A
8	Solar Farms	Electricity Generation	36.90	\$-80.60	\$5,023.84
9	Silvopasture	Food	31.19	\$41.59	\$699.37
10	Rooftop Solar	Electricity Generation	24.60	\$453.14	\$3,457.63
11	Regenerative Agriculture	Food	23.15	\$57.22	\$1,928.10
12	Temperate Forests	Land Use	22.61	N/A	N/A
13	Peatlands	Land Use	21.57	N/A	N/A
14	Tropical Staple Trees	Food	20.19	\$120.07	\$626.97
15	Afforestation	Land Use	18.06	\$29.44	\$392.33
16	Conservation Agriculture	Food	17.35	\$37.53	\$2,119.07
17	Tree Intercropping	Food	17.20	\$146.99	\$22.10
18	Geothermal	Electricity Generation	16.60	\$-155.48	\$1,024.34
19	Managed Grazing	Food	16.34	\$50.48	\$735.27
20	Nuclear	Electricity Generation	16.09	\$0.88	\$1,713.40









Students



Celebrating 10 Years of Sustainability

#SSS10KC



MKCCAC Leadership

- Both KS and MO leaders
- Leaders representing all levels of local government
- Subcommittees include over 100+ participants





Mike Kelly and Lindsey Constance





To enact and foster proactive strategies, systems and structures within the KC region that will drawdown greenhouse gases, improve climate resiliency and generate corresponding economic, social, health and quality of life benefits.



GOALS

Climate Action Plan

- Including a greenhouse emissions inventory

Public Policy

- Develop annual legislative platforms
- Policy playbook for elected officials

Climate Summit

- September 14, 2019
- Johnson County Community College







CLIMATE ACTION PLAN





Regional Climate Action Plan

May 2019 – Launch GHG inventory project

October 2019 – Completion of regional GHG inventory and Climate Risk and Vulnerability Assessment

November 2019 – Technical workshop to present GHG inventory to stakeholders and identify climate mitigation and adaptation measures

February 2020 – Completion of analysis/quantification of mitigation actions

April 2020 – Draft Climate Action Plan

June 2020 – Final Climate Action Plan published

September 2020 – Project closure event and next steps (Climate Summit 2020)

PUBLIC POLICY

State Legislative Platforms

- Kansas
- Missouri

Climate Action Playbook





Co-Benefits in Action



Evergy Direct Renewables Agreements:

Harnessing wind to attract and grow businesses



PARTNER ORGANIZATIONS





SATURDAY,
SEPTEMBER 14,
2019

SOLD OUT

Climate Action Summit

Featuring Keynote Speaker:
Paul Hawken

*Author of Drawdown: The Most
Comprehensive Plan Ever Proposed to
Reverse Global Warming*

CELEBRATING SUCCESSES AND DISCUSSING EMERGING TRENDS IN:

Agriculture & Sustainability | The New Energy Economy | The Business Case for Efficiency | Equity & Our Environment

Johnson County Community College | 12345 College Blvd Overland Park, KS, 66210

<https://www.mkccac.org/summit>



Tom Jacobs
Mid-America Regional Council
tjacobs@marc.org
816-701-8352