



The Intersections of Climate Risk & Environmental Justice

June 23, 2022



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4,200

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60

Affiliate Members

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community of Practice

25K+



Meet Today's Presenters



Kelly Begin

*Vice President, Air Quality
Technical Practice Leader
Woodard & Curran*



Matthew Jones

*Meteorologist, Project
Manager
Woodard & Curran*



Tanis Marquette

*Sustainability and ESG
Practice Leader
Woodard & Curran*



Sandy Nessing

*Vice Principal and Chief
Sustainability Officer
American Electric Power*





Woodard
& Curran

June 23
2022

THE INTERSECTIONS OF THE INTERSECTIONS OF CLIMATE RISK & ENVIRONMENTAL JUSTICE

PRESENTED BY

Tanis Marquette

The Intersections of The Intersections of Climate Risk & Environmental Justice

- This webinar will help EHS & Sustainability leaders understand the scope and interrelatedness of climate change risk and environmental justice. It will also demonstrate a method for analysis using a relevant case study and offer recommendations for corporate policy development in relation to these issues.

While evaluating climate change risk and environmental justice is important, converging the analysis is becoming mission critical. This convergence allows a company to better understand not only where a portfolio's climate risk exposure is, but also how the change associated with that risk could affect vulnerable communities and thus impact operational and community involvement pathways in the future.

- A deeper understanding of the interrelatedness of climate change risk and environmental justice
 - Why your company should be aware of these dynamic issues
 - How to embark on an overlaid analysis of climate risk and environmental justice
- Insights into developing corporate policies around climate change risk and environmental justice

INTRODUCTIONS



Tanis Marquette

Sustainability and
ESG Practice Leader
Woodard & Curran



Matt Jones

Technical Manager
Woodard & Curran



Kelley Begin

Air Practice Leader
Woodard & Curran



Sandy Nessing

Vice President and
Chief Sustainability
Officer
American Electric
Power

CLIMATE IN THE NEWS



Photos:

The West's historic drought
Water-level lines, unveiled by years of drought, are seen on the rocks of the Elephant Butte Reservoir in Truth or Consequences, New Mexico, on July 9.

1 of 37

Hide Caption



The West's historic drought in 3 maps

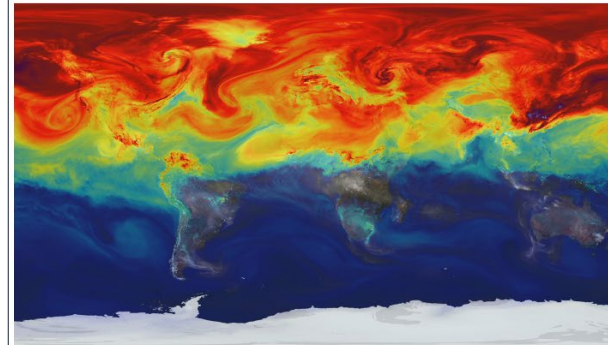
By John Keefe, Angela Fritz and Rachel Ramirez, CNN

Updated 1:14 PM ET, Fri November 12, 2021

(CNN) — The Western US experienced extreme drought this year that severely strained water resources and primed the landscape for perilous wildfires.

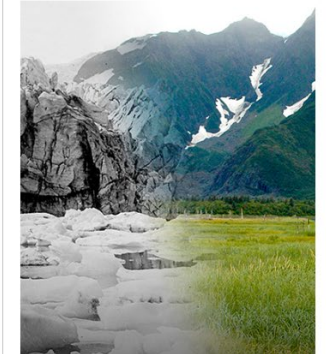
NEWS | June 9, 2022

NASA, FEMA Release Comprehensive Climate Action Guide



NASA supercomputer model shows how greenhouse gases like carbon dioxide (CO₂) — a key driver of global warming — fluctuate in Earth's atmosphere throughout the year. Higher concentrations are shown in red. Credit: NASA's Scientific Visualization Studio/NASA's Global Modeling and Assimilation Office

Explore



Climate News

June 20, 2022

Top Headlines

Newly Documented Population of Polar Bears in Southeast Greenland Sheds Light on the Species' Future in a Warming Arctic

June 16, 2022 — A new population of polar bears documented on the southeast coast of Greenland use glacier ice to survive despite limited access to sea ice. This ...

Pioneering Study Shows Climate Played Crucial Role in Changing Location of Ancient Coral Reefs

June 14, 2022 — Prehistoric coral reefs dating back up to 250 million years extended much further away from the Earth's equator than today, new research has ...

Earliest Record of Wildfires Provide Insights to Earth's Past Vegetation and Oxygen Levels

June 14, 2022 — While wildfires over recent years have raged across much of the western United States and pose significant hazards to wildlife and local populations, ...

The Earth Moves Far Under Our Feet: A New Study Shows the Inner Core Oscillates

June 10, 2022 — Scientists have found evidence that the Earth's inner core oscillates, contradicting previously accepted models that posited it consistently rotates ...

ENVIRONMENTAL JUSTICE IN THE NEWS

THE HILL

HHS announces new office of environmental justice

Zack Budryk

Tue, May 31, 2022, 1:33 PM EDT · 2 min read

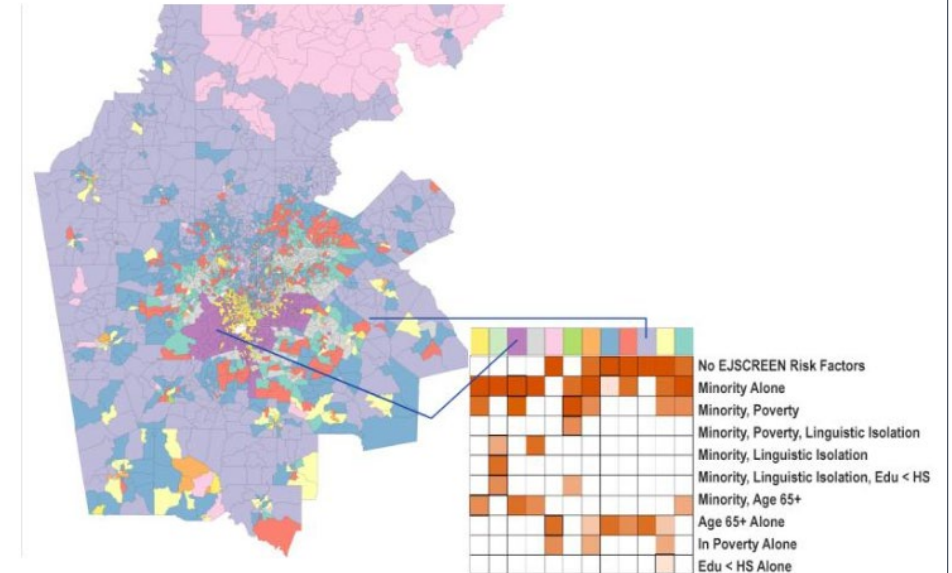


The Department of Health and Human Services (HHS) on Tuesday announced an Office of Environmental Justice (OEJ) within the department to address climate-related health issues particularly affecting poor and marginalized Americans.



News

Scientists develop environmental justice lens to identify neighborhoods vulnerable to climate change



ORNL scientists created a geodemographic cluster for the Atlanta metro area that identifies risk factors related to climate impacts. Credit: ORNL/U.S. Dept. of Energy

VPR News

Gov. Scott signs environmental justice policy and 2 other major environmental bills into law

Vermont Public Radio | By Abagael Giles

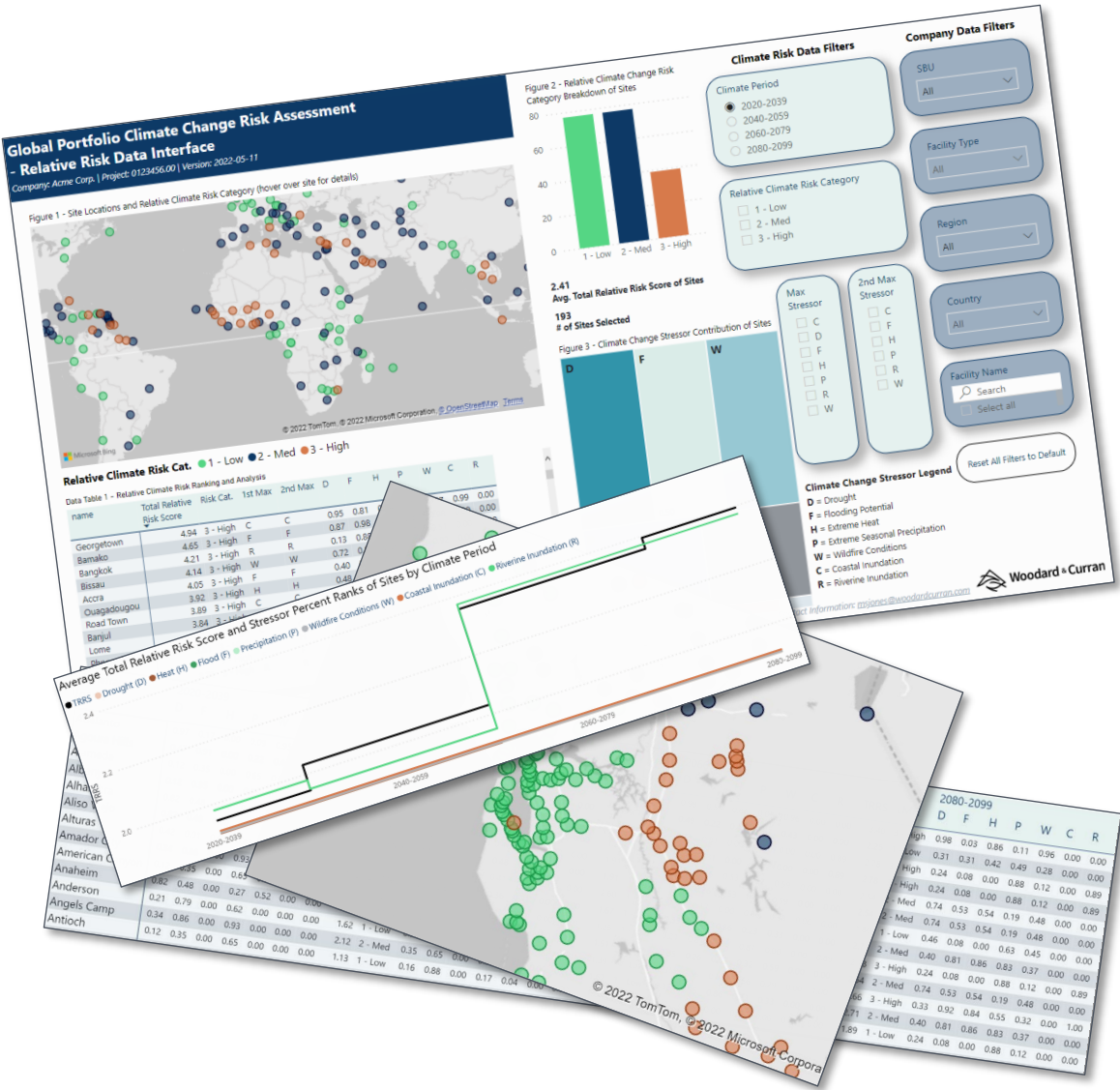
Published June 1, 2022 at 11:45 AM EDT



REGULATORY INFLUENCES

- US National Environmental Policy Act
- US Securities and Exchange Commission draft rules
 - The Enhancement and Standardization of **Climate-related Disclosures** for Investors
 - **Environmental Social Governance Disclosures** for Investment Advisors and Investment Companies
 - Rulemaking petition to require issuers to disclose information about their **human capital** management policies, practices and performance [Open for comment File 4-711]
- The Task Force on Climate-Related Financial Disclosures

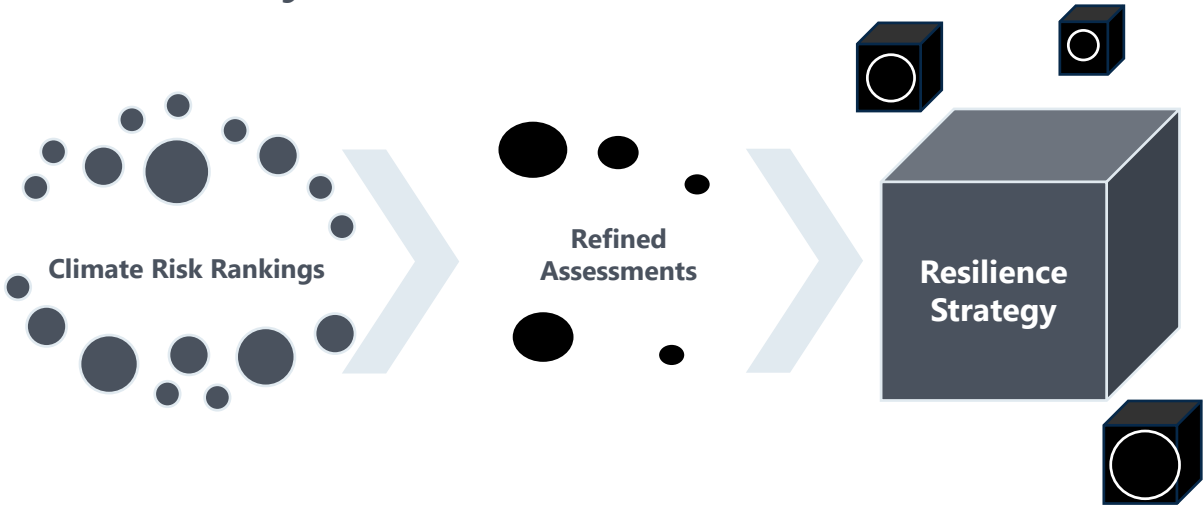
Quantification & Portfolio Prioritization



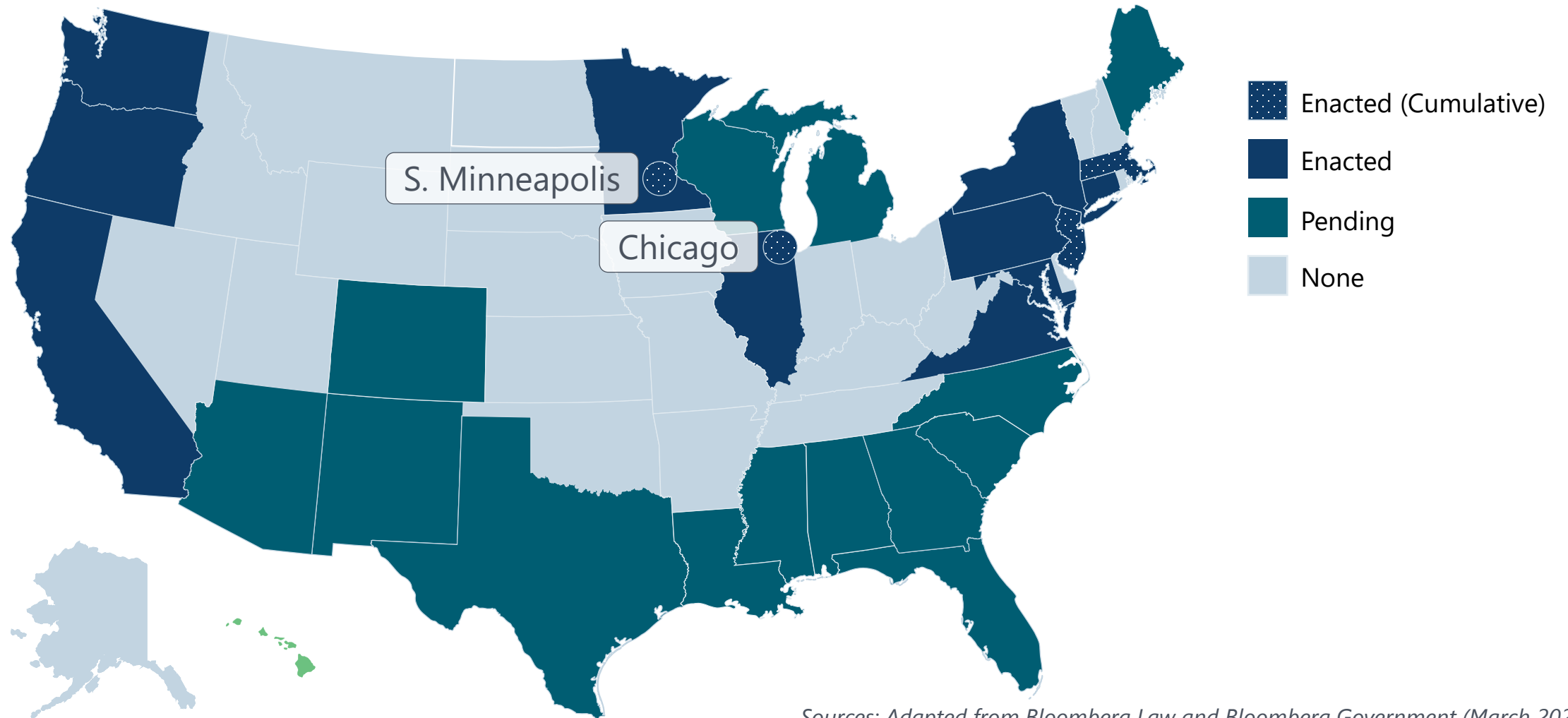
Decreasing Scales of Review



Pathway to Prioritized Informed Resilience

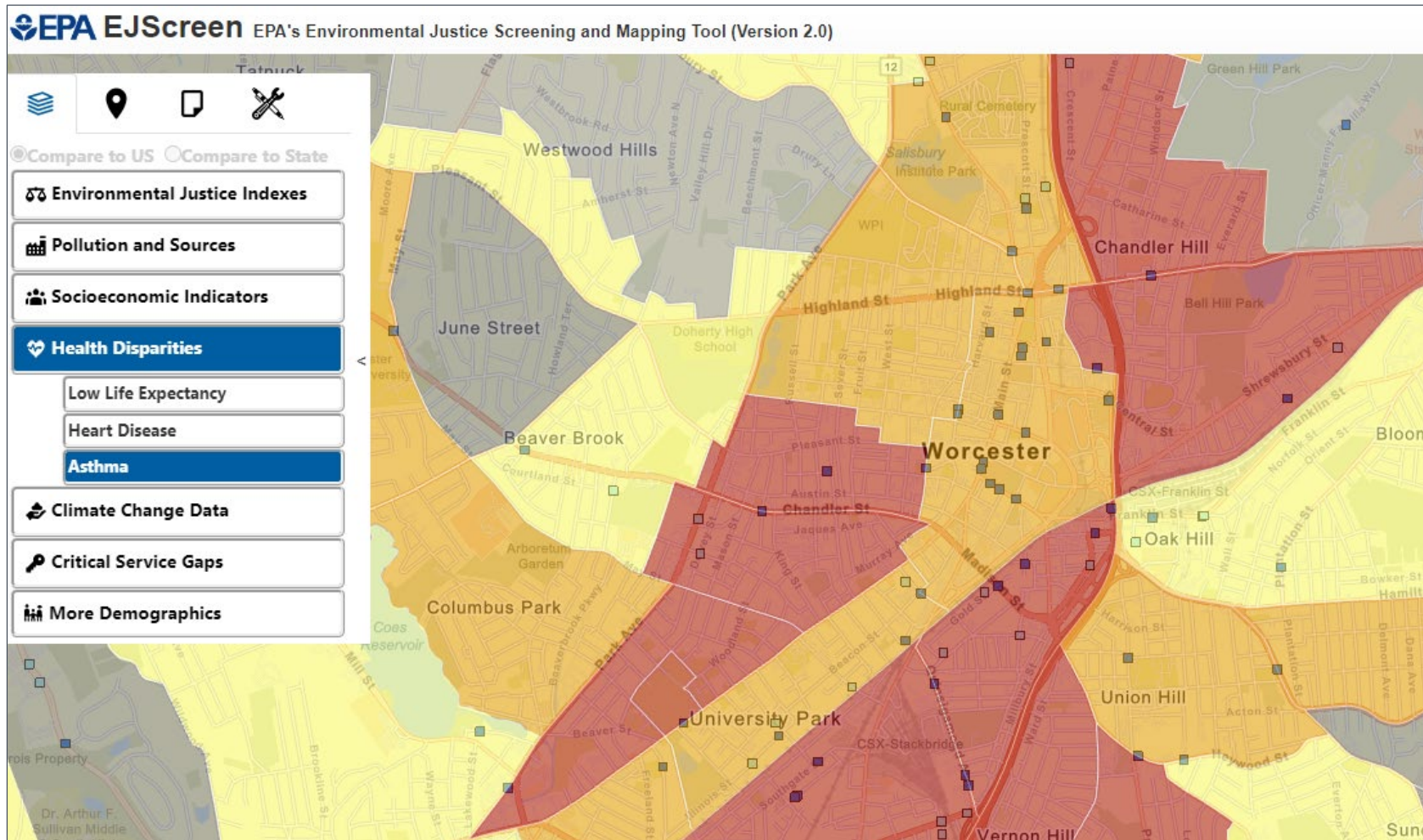


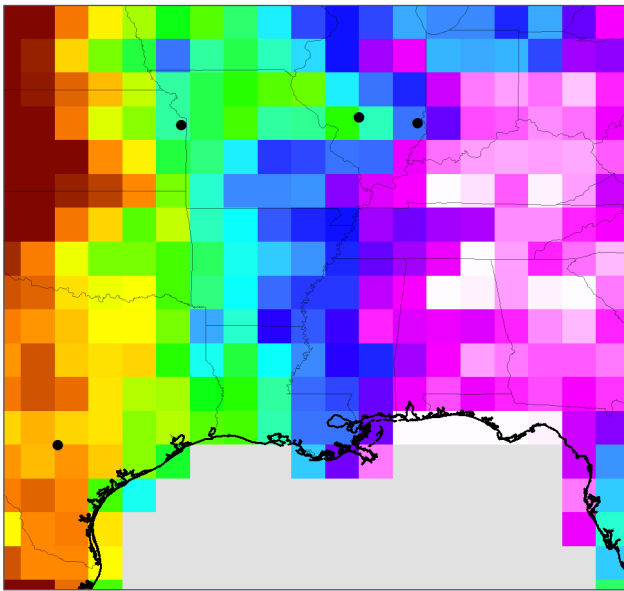
EJ LEGISLATION & POLICIES EVOLVING



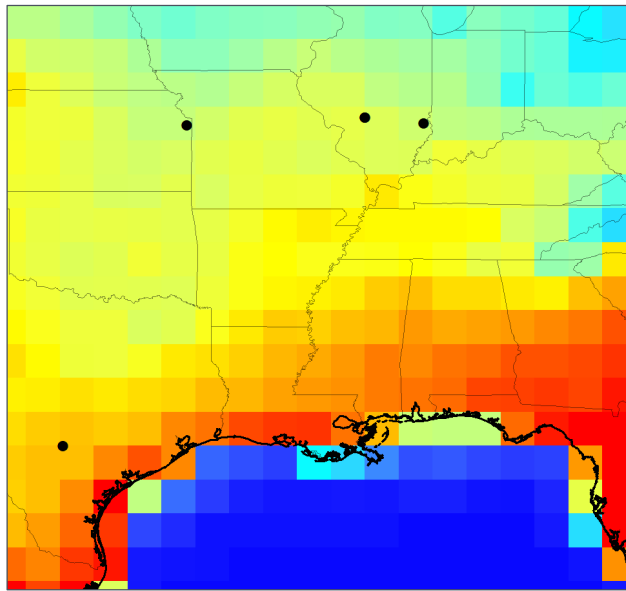
Sources: Adapted from Bloomberg Law and Bloomberg Government (March 2021)

MAPPING TOOLS – EJ DATA



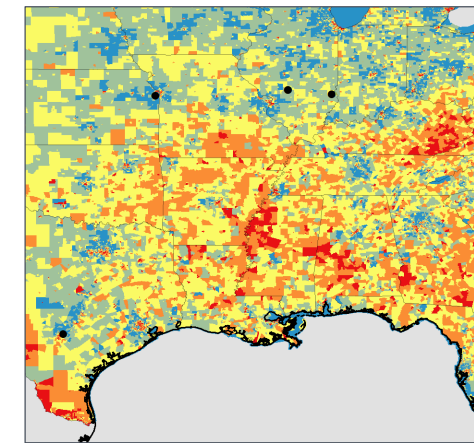


drought

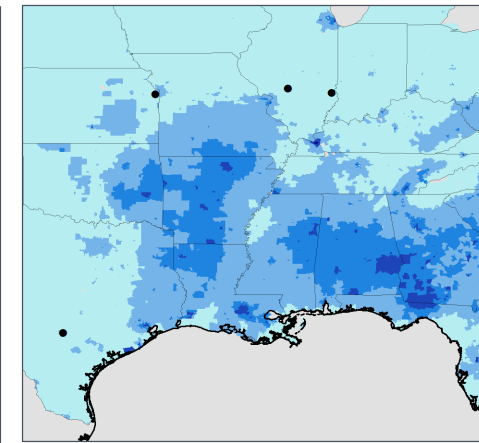


heat

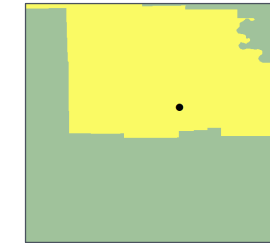
name	Total Relative Risk Score	Risk Cat.	1st Max	2nd Max	D	F	H	P	W	C	R
HillsboroW_IL	3.22	3 - High	H	H	0.74	0.29	0.87	0.63	0.70	0.00	0.00
HillsboroWW_IL	3.22	3 - High	H	H	0.74	0.29	0.87	0.63	0.70	0.00	0.00
Hershey_Robinson_IL	3.09	2 - Med	H	H	0.65	0.47	0.80	0.75	0.42	0.00	0.00
Lenexa_KS	3.09	2 - Med	H	H	0.82	0.04	0.99	0.30	0.95	0.00	0.00
HEB_SanAntonio_TX	2.83	2 - Med	H	H	0.69	0.00	1.00	0.14	1.00	0.00	0.00



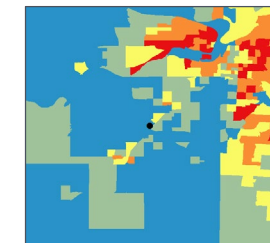
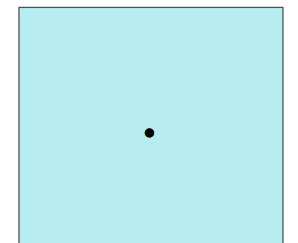
income



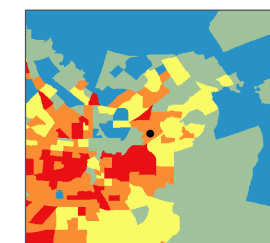
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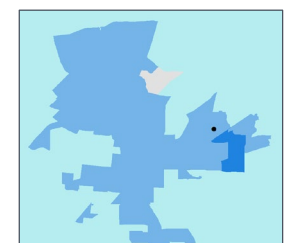
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MAPPING TOOLS – CLIMATE DATA



AEP's Environmental & Social Justice Policy

<https://aep.com/environment/environmental-social-justice>



ENVIRONMENTAL & SOCIAL JUSTICE


Environmental & Social Justice

[Home](#) > [Environment](#) > [Environmental & Social Justice](#)

ENERGY FOR EVERYONE

AEP strives to provide clean, reliable and affordable energy, improve grid resiliency, enhance public safety, and promote economic and workforce development to equitably benefit all of our customers.

As we create a brighter energy future, we're dedicated to meaningful engagement with all customers and communities to ensure fair treatment and equitable decision making. We're listening, learning and seeking opportunities to partner with our stakeholders to incorporate environmental and justice into our business strategy. We're committed to providing all communities with the opportunity to understand our proposed policies and practices and discuss their concerns so that we can fully consider the environmental, social and health-related impacts of our decisions.

 [Environmental and Social Justice Policy](#)

ENVIRONMENTAL & SOCIAL JUSTICE POLICY

American Electric Power (AEP) defines Environmental and Social Justice (ESJ) as a commitment to consider the environmental and social impacts of our recommendations and decisions as we serve our communities, especially low-wealth communities, communities of color and other historically marginalized communities.

As part of our focus on delivering safe, clean, reliable and affordable electricity, we are dedicated to meaningful engagement with all customers and communities to ensure fair treatment and equitable decision making. Meaningful engagement involves listening, learning and seeking opportunities to partner with our stakeholders to incorporate ESJ into the decisions we make about existing and planned facilities, programs and services.

AEP's ESJ Policy

AEP will seek and consider input from potentially impacted parties in our decision-making processes as we:

- 1 Develop new infrastructure to power our communities,
- 2 Transition our existing generation fleet to cleaner energy sources; and
- 3 Deploy new programs, services and technologies.



ESJ Value Proposition

BENEFITS

“Doing the right thing”

Proactive engagement with stakeholders

Protects and enhances AEP’s brand and reputation

Attractive to prospective employees who value corporate citizenship

BROADER TRENDS

Potential to affect many aspects of AEP’s business

Increasing environmental and social justice advocacy at federal and state levels

Climate justice

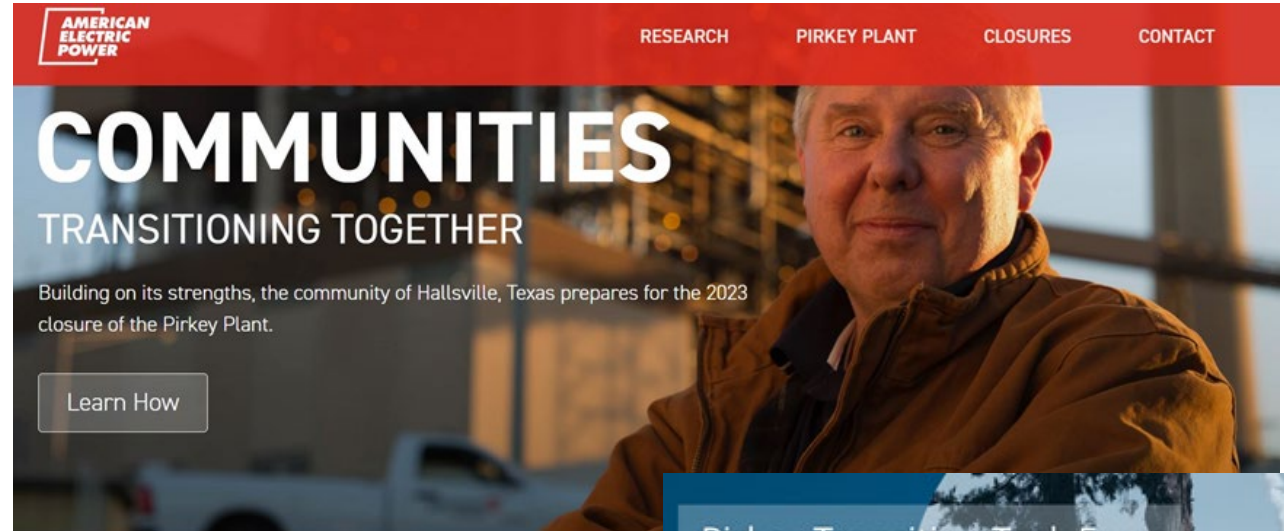
The Socio-Economics of Coal Retirements



- A place-based set of principles, processes, & practices to build capacity to transition from an extractive economy to a regenerative economy
- Clean energy transition driving this
- For every job lost from a coal retirement, another 2 – 3 jobs are lost within the local economy
- Critical risk mitigation strategy to avert loss of population and plan for lost tax revenue as plants retire

Just Transition In Practice at AEP

- Community transitions
 - Integral to decarbonization strategy
 - Focus on people, communities
 - Community-driven process
- Building capacity for future growth, economic diversification
 - Economic Development
 - Coal Community Assistance programs
 - New capacity (renewables, small modular nuclear, hydrogen hubs)
- Workforce & Community transition teams
- Visioning, community outreach
- Inclusive engagement
- Action Plan for the future



SUPPORTING COMMUNITIES IN TRANSITION

<https://aepcommunitytransition.com>

Pirkey Transition Task Force
Community Meetings

Monday, Nov. 29
6 p.m.-7:30 p.m.
Harrison County Gold Hall
Community Center
101 Elm Street, Hallsville

Tuesday, Nov. 30
6 p.m. - 7:30 p.m.
Harrison County Courthouse
200 W Houston St., Marshall

Can't make it to the meeting? Take our
online survey to share your thoughts
with the Pirkey Transition Task Force:
bit.ly/PirkeySurvey

SPEAKERS



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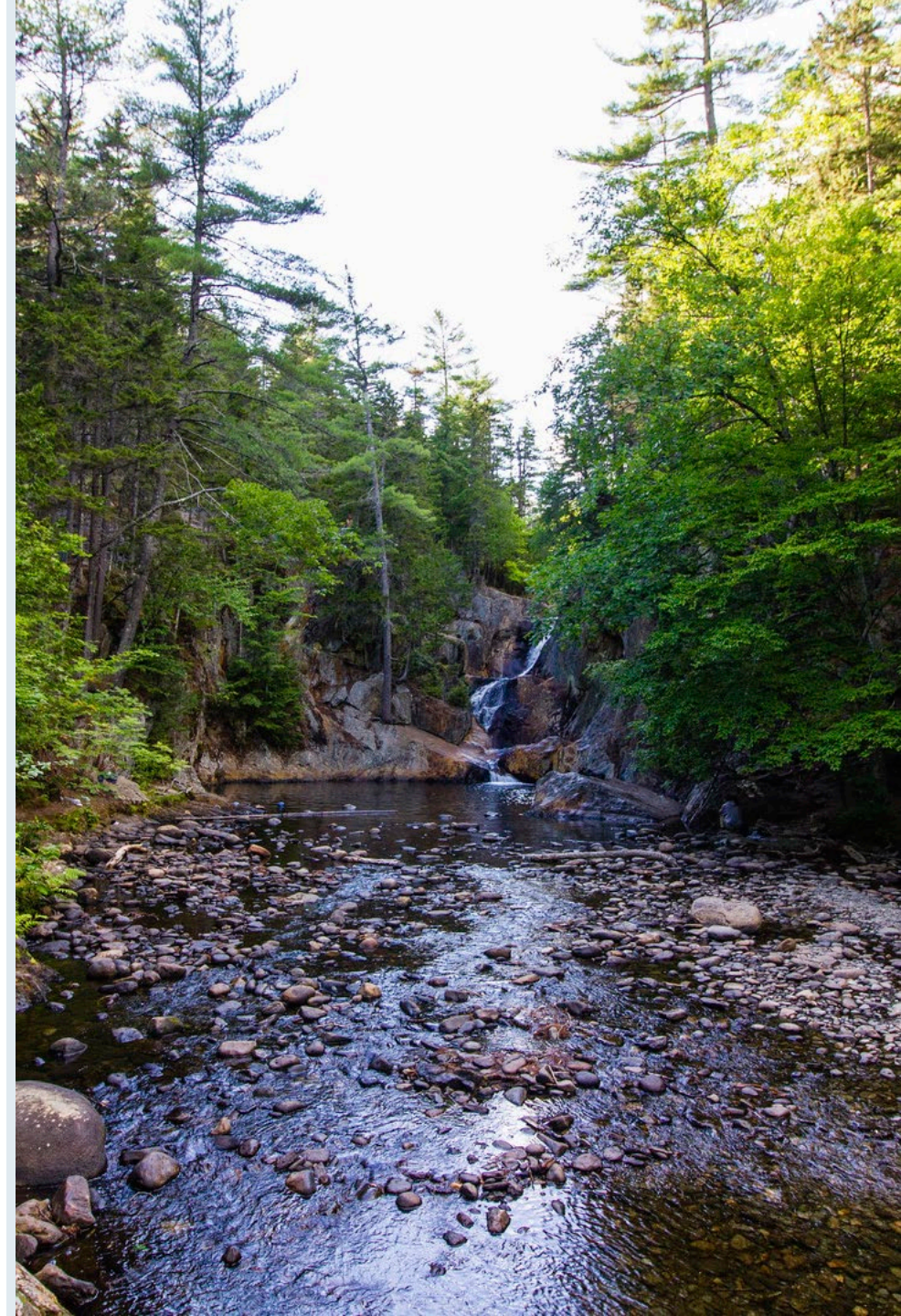


Sandy Nessing
Vice President and
Chief Sustainability
Officer
American Electric
Power



THANK YOU!!

Questions?



Upcoming Conferences

In-Person Events

WOMENLEAD22
EHS&S LEADERSHIP ROUNDTABLE

DENVER, COLORADO
JULY 25-28, 2022



FORUM22
EHS & SUSTAINABILITY MANAGEMENT FORUM

TAMPA, FLORIDA • OCTOBER 18 - 21, 2022



Virtual Events: Sept. 8th & Dec 1st

IMPACT22
SUSTAINABILITY IMPACT CONFERENCE

VIRTUAL EVENT
QUARTERLY MEETINGS



Upcoming Webinars on EHS&S Management



Corporate Sustainability Strategy and Reporting: One Company's Turn-Key Advancement Journey

August 25



Mitigating Disease Spread in the Workplace: Lessons From the Pandemic

November 3



Task Creation & Standardization: The Next Level of AI Support for EHS

November 14





Member Drop-Ins

The 2nd Wednesday of every month offers you the opportunity for Just-in-Time Knowledge Sharing (Summer Schedule – No August)

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 - LinkedIn: <https://www.linkedin.com/company/naem>





**Thank you for
Attending!**

**A recording will be
available in 3-4 days.**

**You will receive an
email once it's posted
to our site.**

**Have a safe &
healthy day!**