

Welcome to 350 Madison's Monthly Meeting

- We suggest you “**start video**” so we can see your face (if you have a camera on your device).
- We suggest you use the “**gallery view**” so you can see all our faces (when the slides are over).
- Please send questions or comments, or technology questions, to **Chat Box**.
- Note: This meeting is being recorded for posting on the 350 Madison web site (using Speaker view so you will not be visible if you are muted).

Opening Video

https://twitter.com/350_US/status/1420096028183826438



350 US
@350_US



We're launching a new campaign for a Fossil Free Federal Reserve. Watch this video to hear why the [@federalreserve](#) — the referee of our economy — has to intervene on climate.

In the face of climate chaos, we need a [#FossilFreeFed](#).





Let's take a moment to take 2 deep breaths together and reflect on our ties to this land we live on.

Preview of Evening

- 7:02 Opening Video
- 7:07 Welcome and Land Acknowledgement
- 7:10 Executive Director Announcement
- 7:15 Models for Collaborative Climate Action
 Morgan Edwards
 Assistant Professor at the University of Wisconsin-Madison's La Follette School of Public Affairs
- 7:45 Campaign Updates and Action Opportunities
- 8:10 Optional breakouts:
 1. Q&A with speaker
 2. Divest and Defund
 Newcomer welcome in main room

Welcome to our New Executive Director!

John Greenler

Starts on October 1



Speaker

MODELS FOR COLLABORATIVE CLIMATE ACTION

PROF. MORGAN EDWARDS
350 MADISON
SEPTEMBER 2021



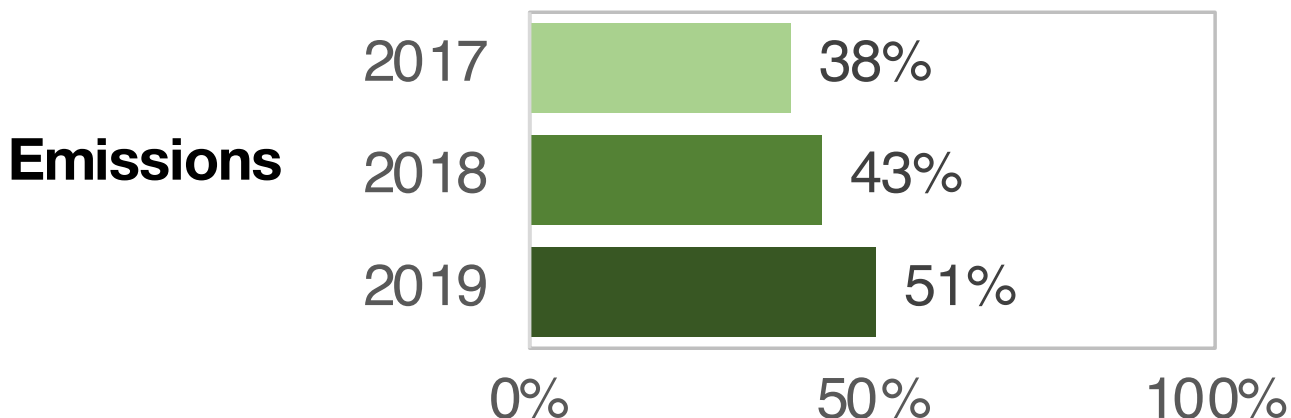
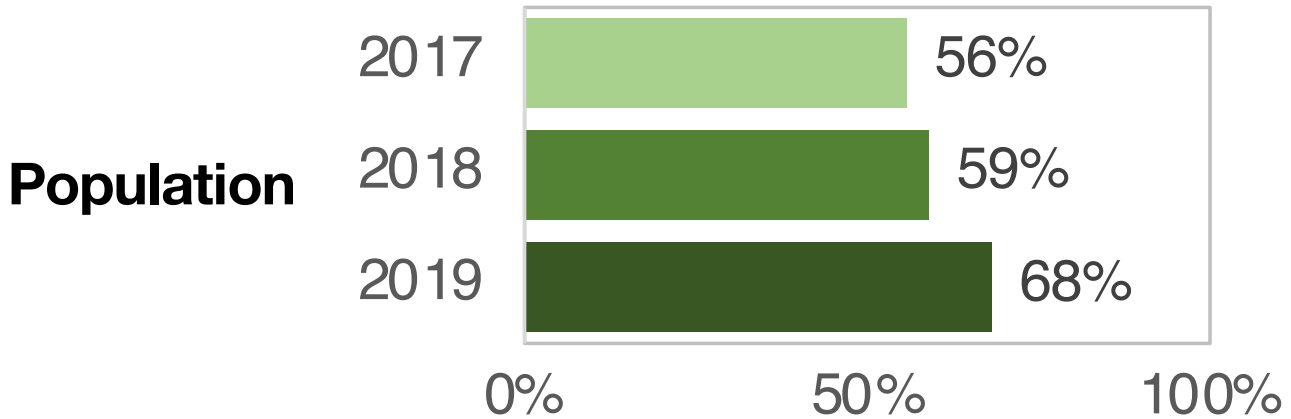
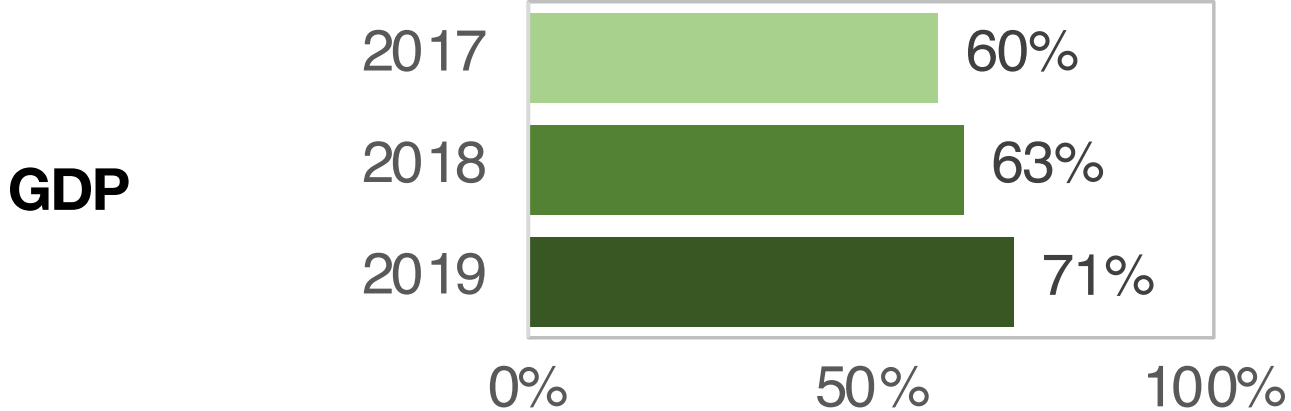
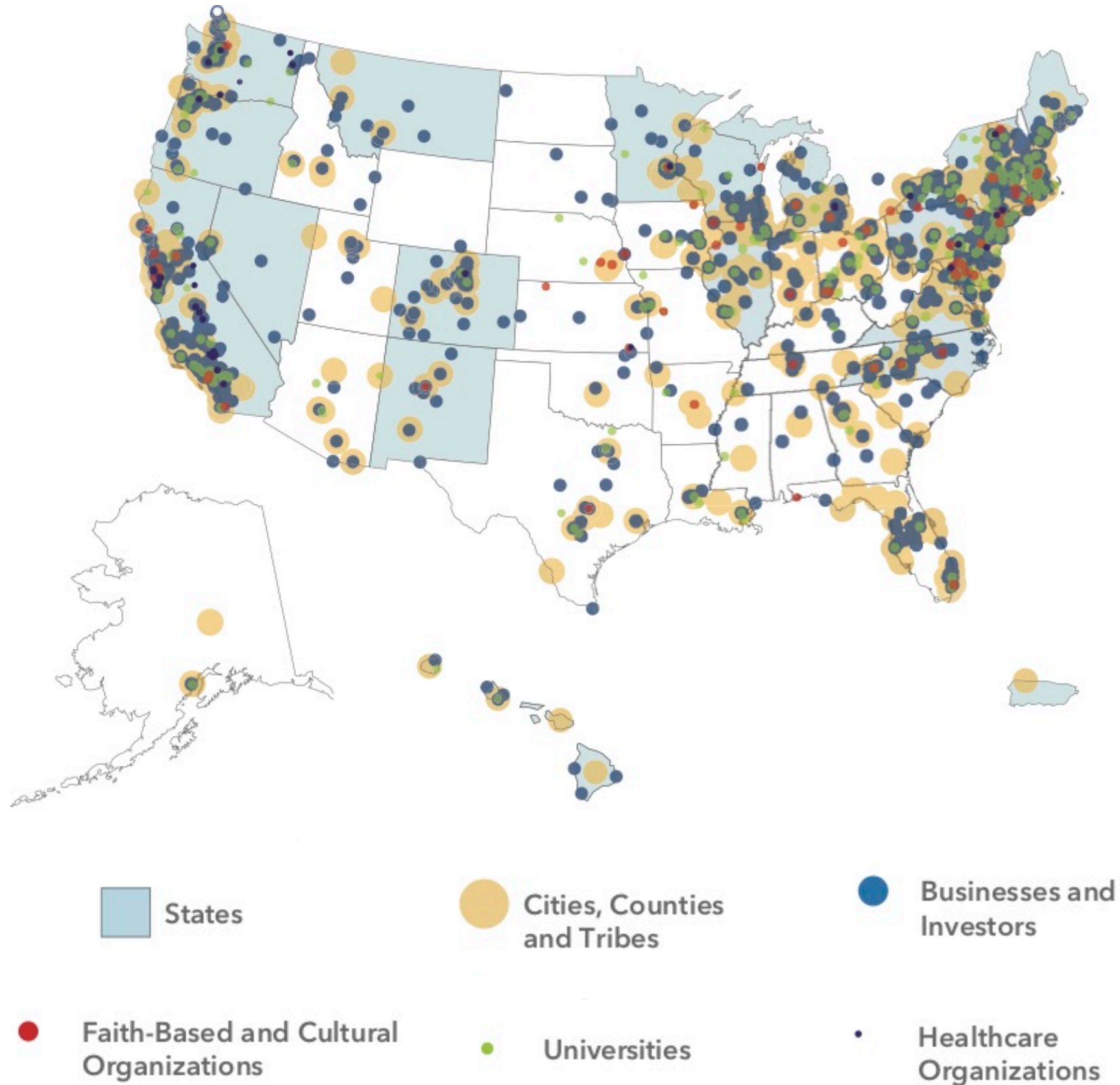
Robert M. La Follette
School of Public Affairs
UNIVERSITY OF WISCONSIN-MADISON



REASON FOR OPTIMISM:

EMERGING COLLECTIVE ACTION

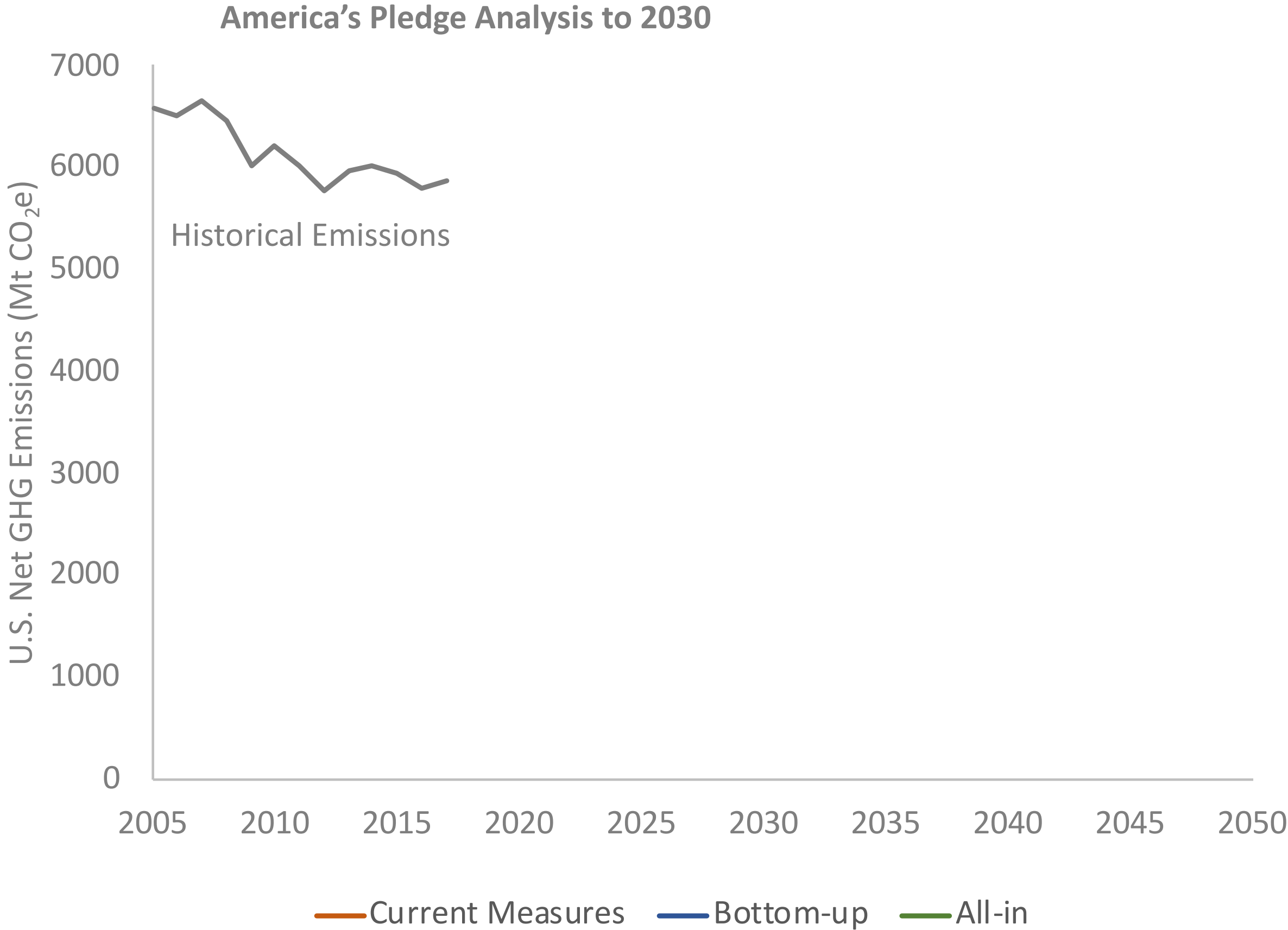
COLLECTIVE ACTION IN THE U.S.



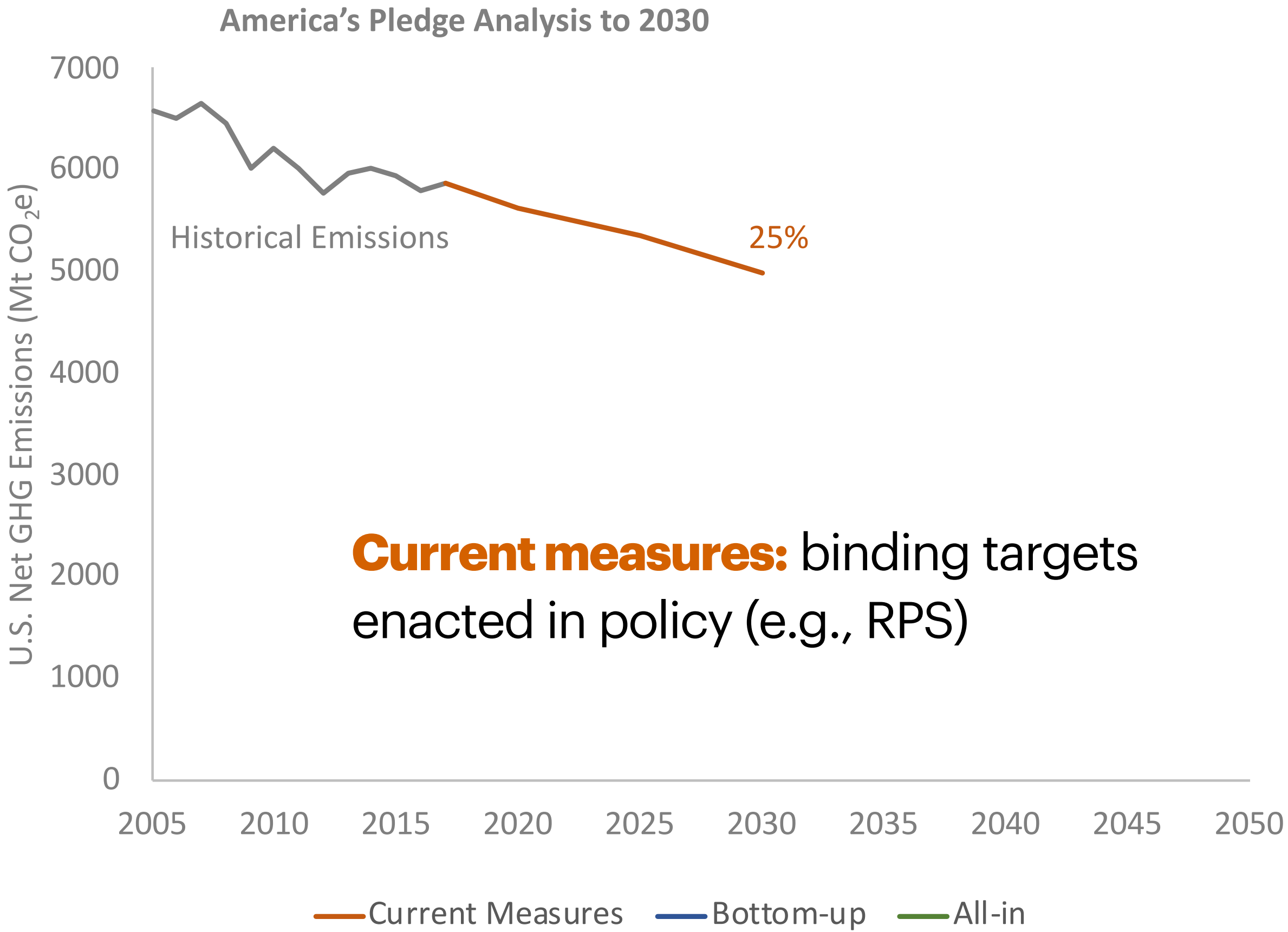
WHERE COULD IT TAKE US?

- **Step 1:** Inventory of state and city climate policies and commitments
- **Step 2:** Examine economy-wide effects in an integrated assessment model
- Collaborative project involving over 25 researchers and policy practitioners.

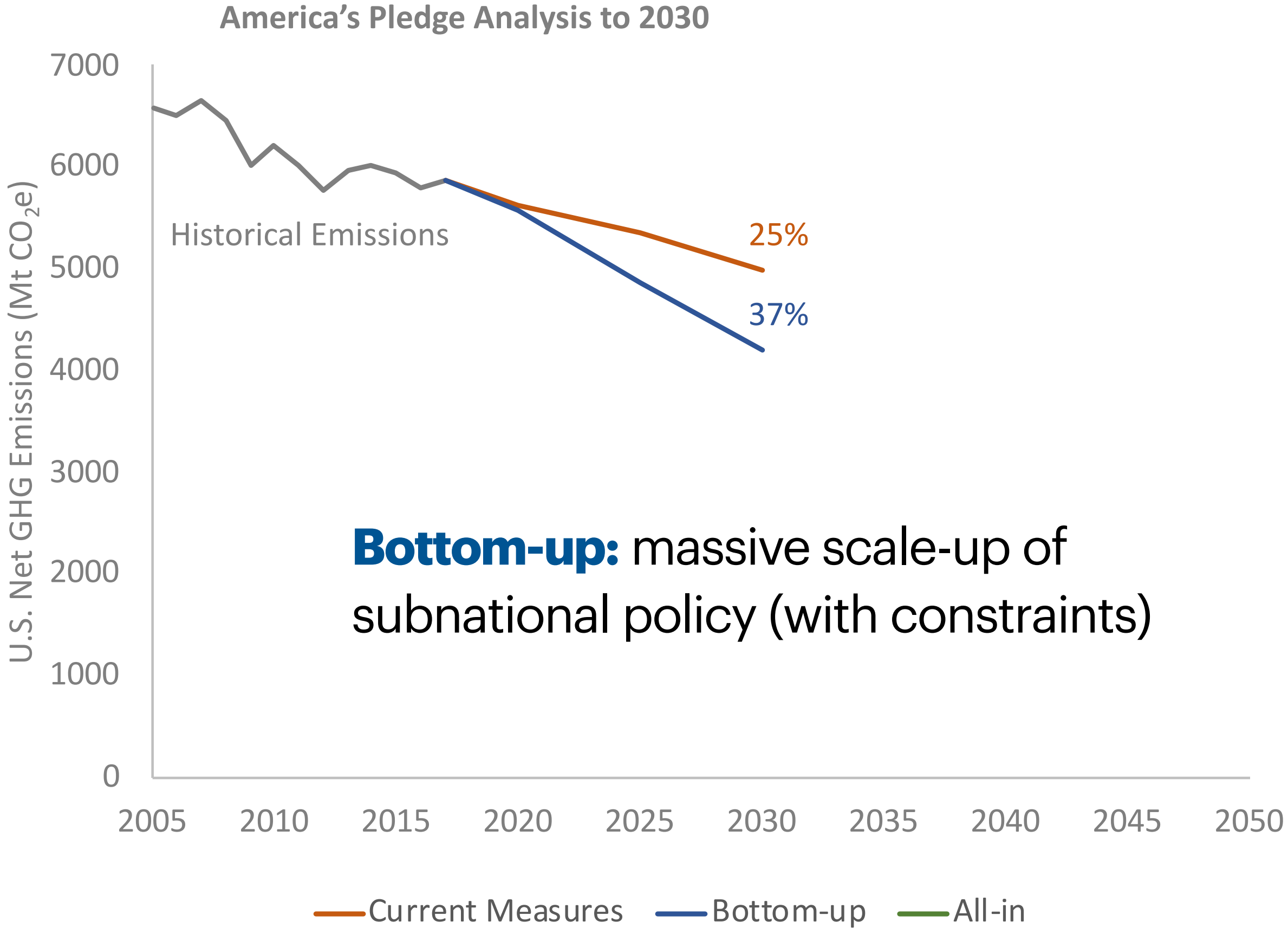
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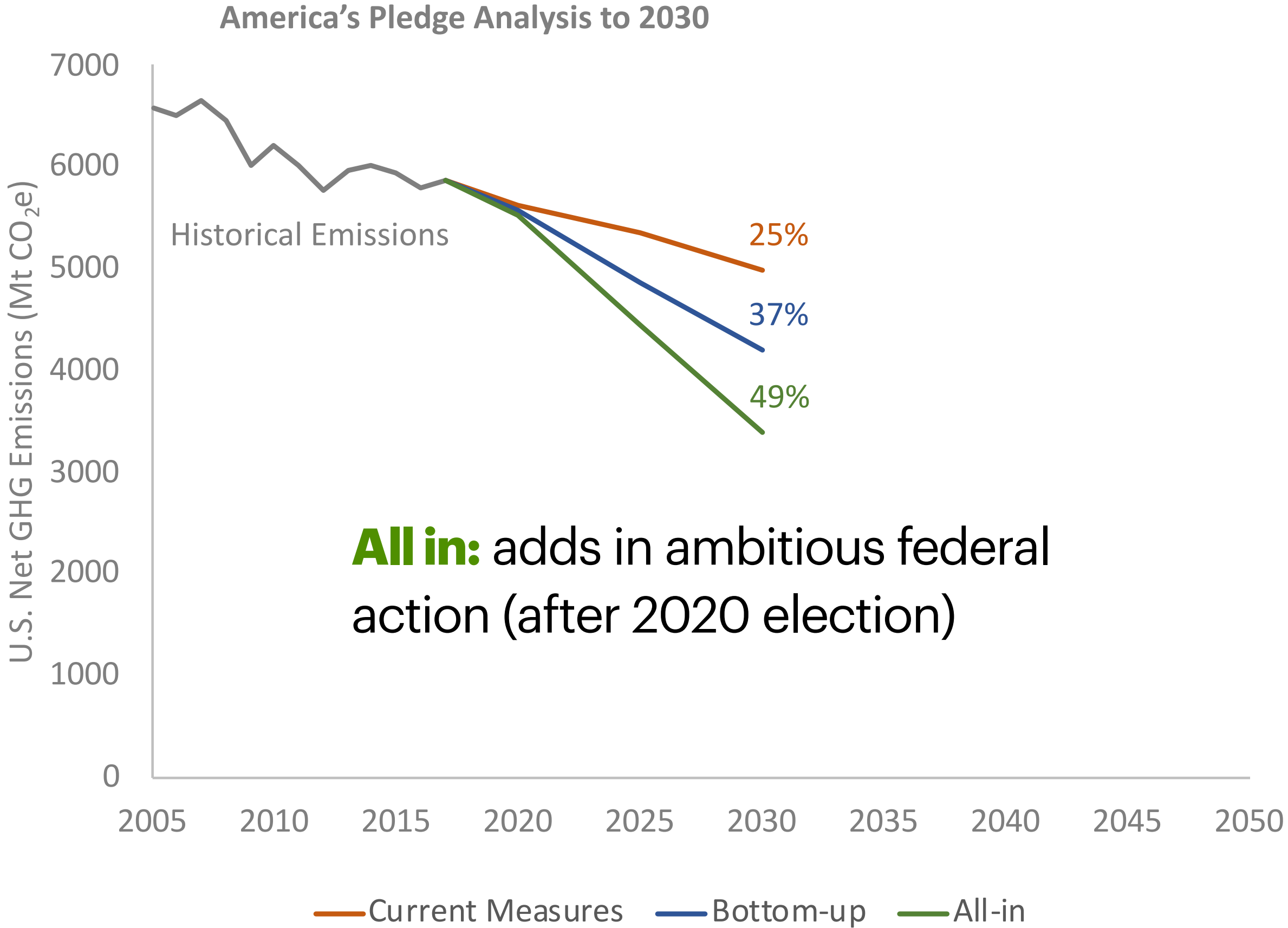
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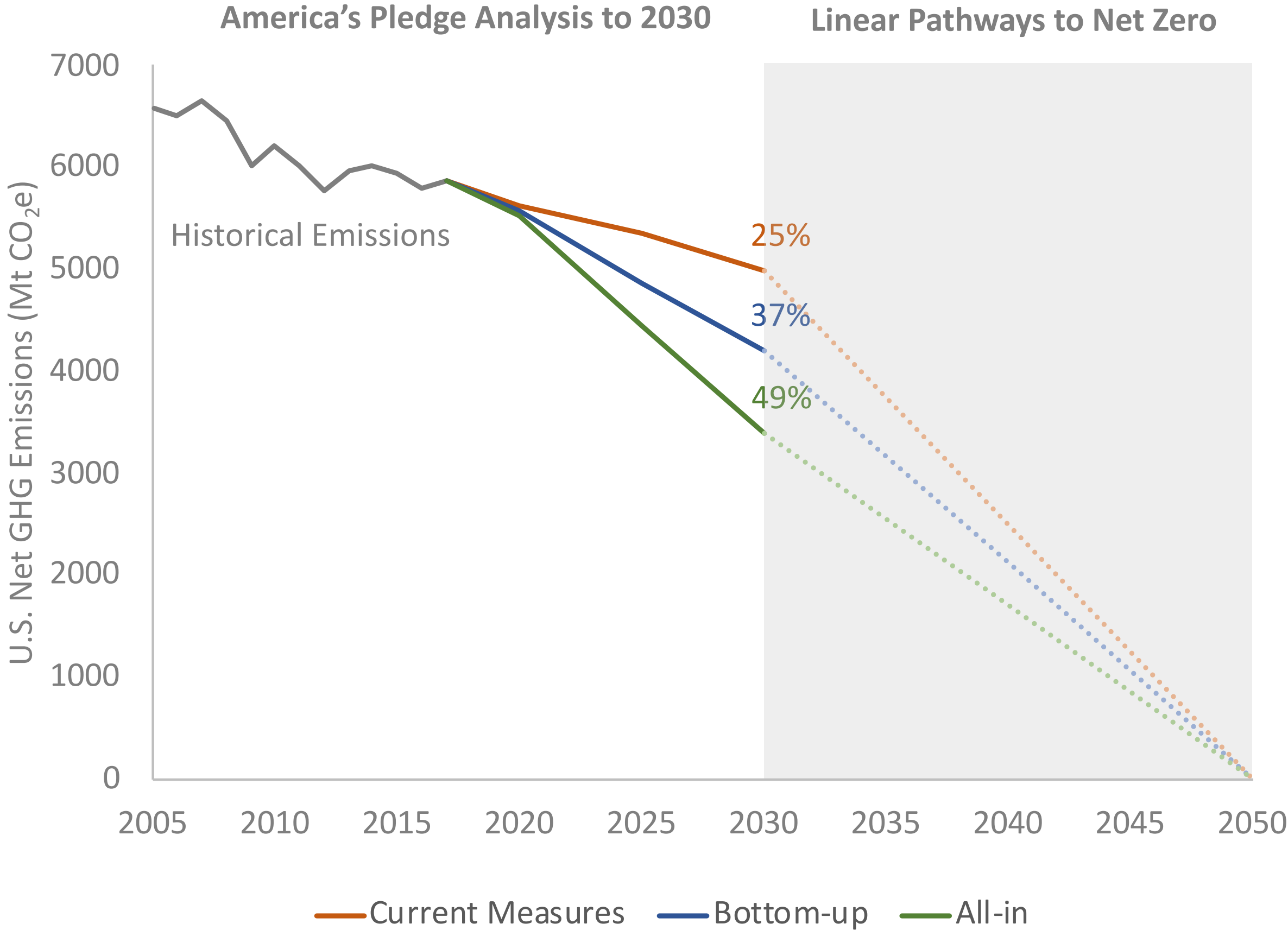
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WHERE COULD IT TAKE US?

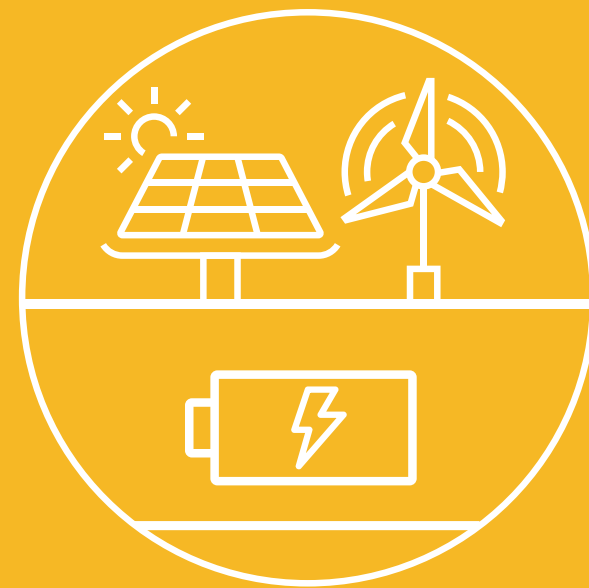


HOW DO WE REDUCE EMISSIONS?

PRINCIPLE
1

ACCELERATE TOWARD 100% CLEAN ELECTRICITY

Decarbonize electricity and other energy supplies



PRINCIPLE
2

DECARBONIZE END-USES

Decarbonize energy end-uses in our buildings, transportation, and industry, primarily through electrification and efficiency



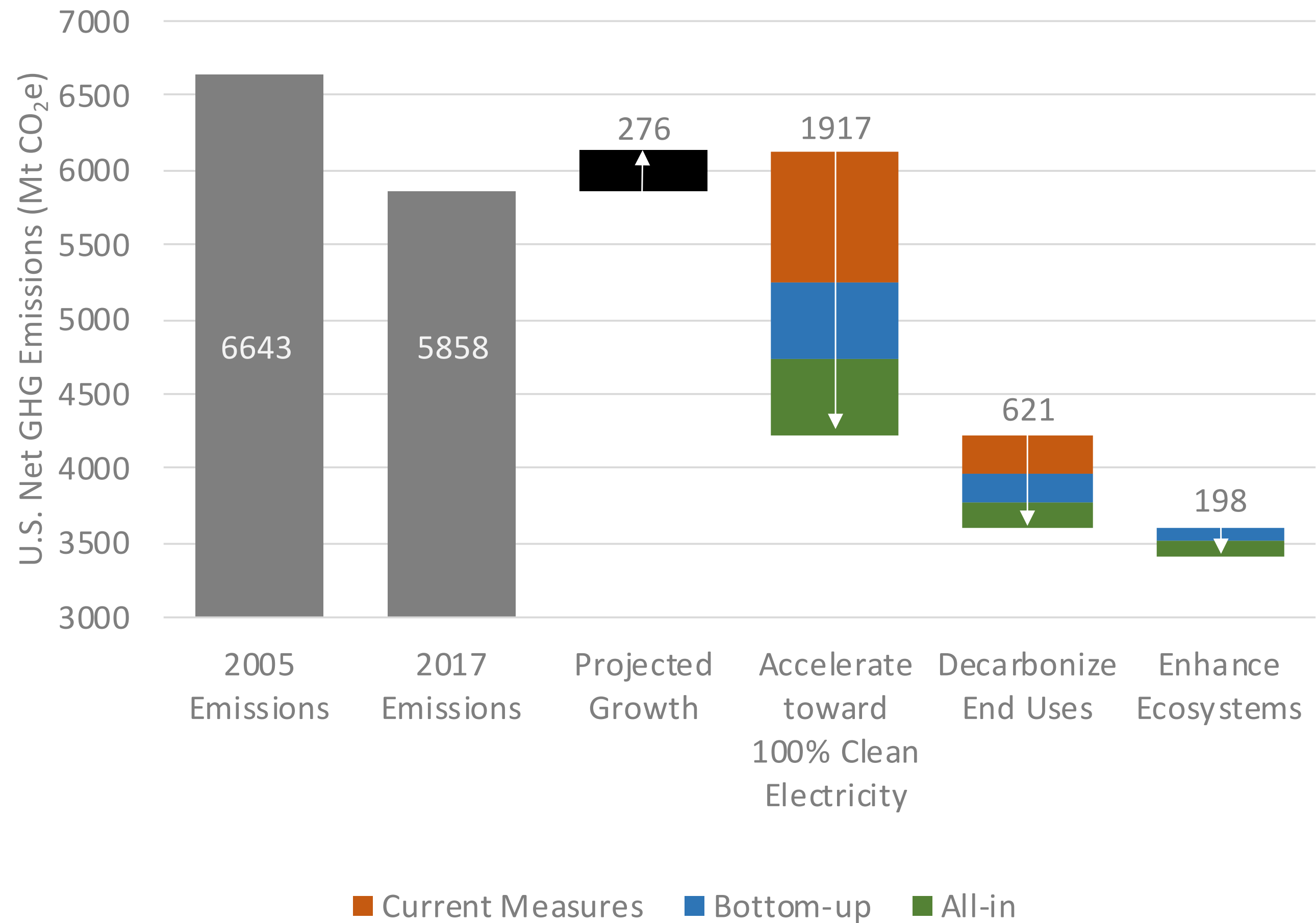
PRINCIPLE
3

ENHANCE ECOSYSTEMS

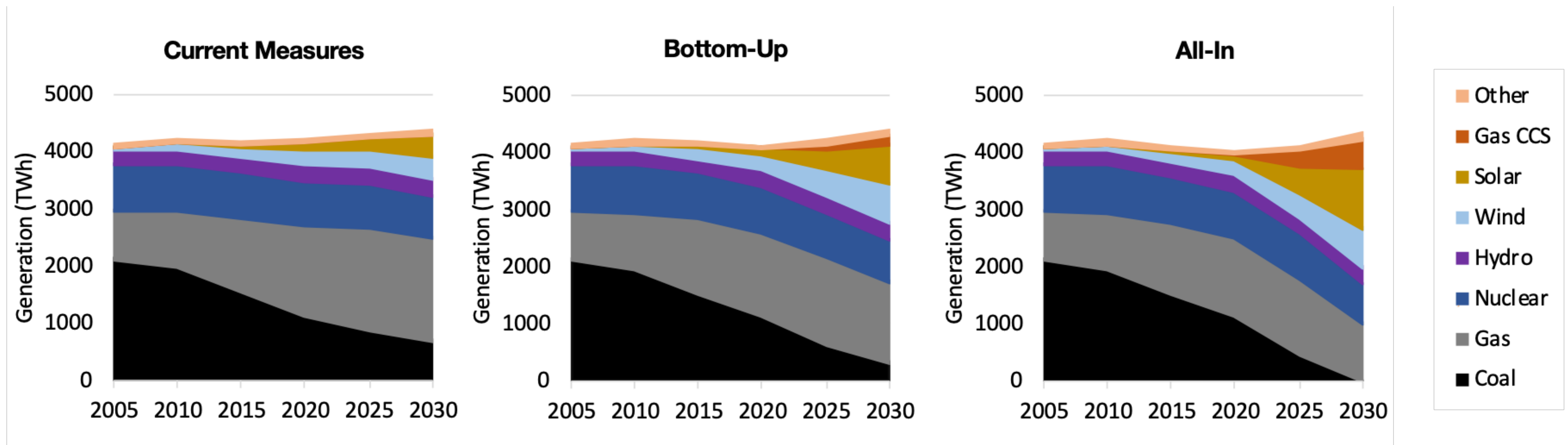
Enhance the carbon storage potential of our forests, farms, and coastal wetlands



HOW DO WE REDUCE EMISSIONS?



TRANSITIONS IN THE ELECTRICITY SECTOR



Current measures: reduce coal generation to 16% by 2030, keep total fossil fuel generation constant

Bottom up: reduce coal generation to 7% by 2030, keep natural gas generation constant

All-in: virtually eliminate coal generation by 2030, reduce natural gas generation

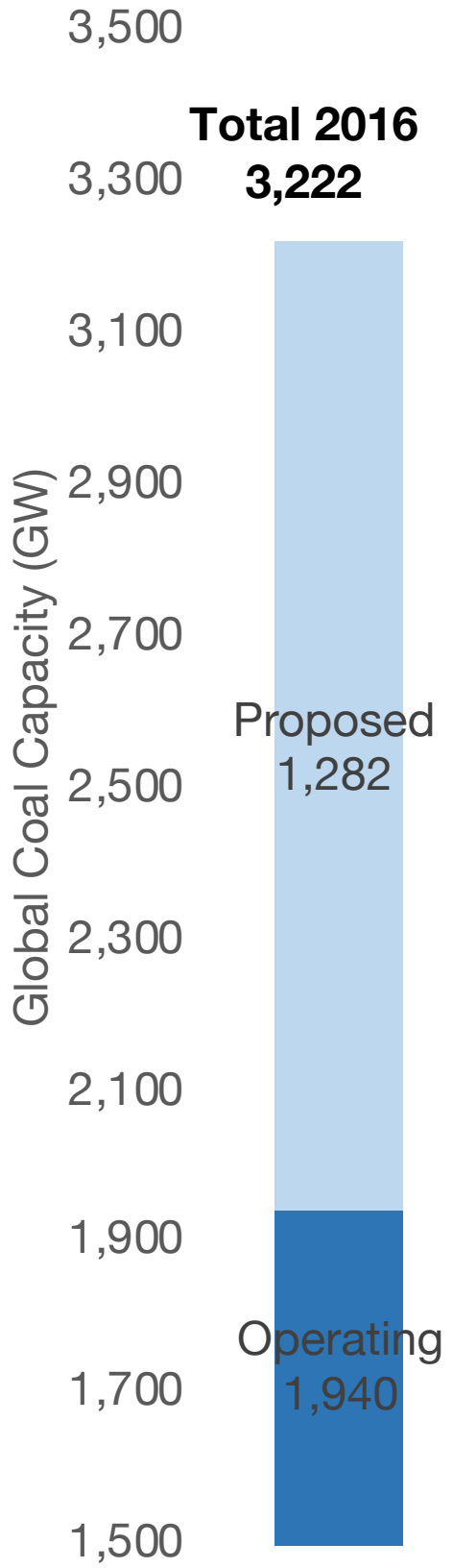
TAKEAWAYS FOR MAKING LOCAL CLIMATE ACTION WORK

- Subnational policy can make progress, but national policy is critical
- Coordinate policies to avoid indirect effects, resource shuffling
- New policies needed to avoid natural gas lock-in, stranded assets
- Track on-the-ground progress towards emissions reductions

EXAMPLE IN ACTION:

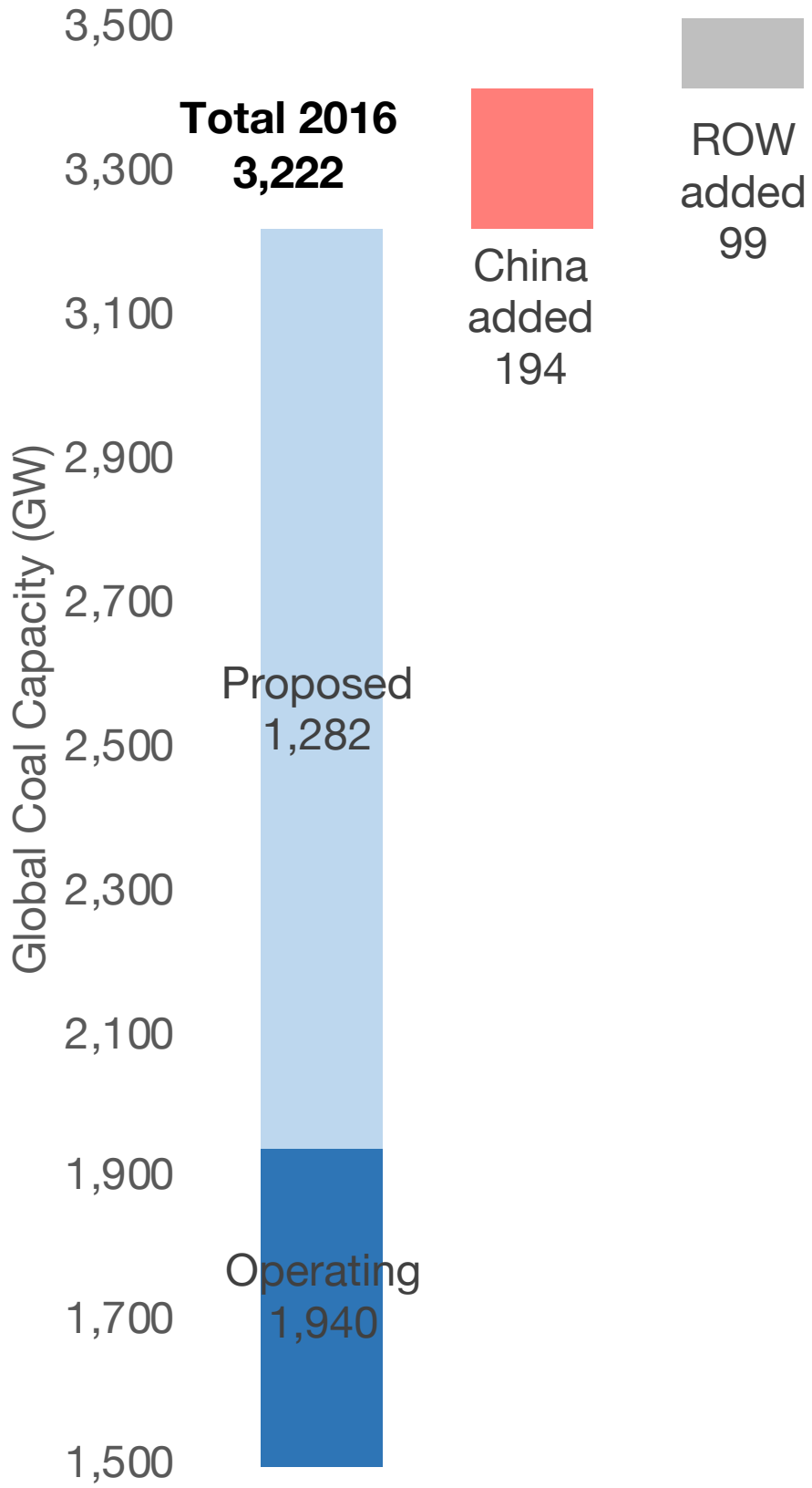
PHASING OUT COAL POWER PLANTS

COAL PROJECT PIPELINE HAS DECLINED



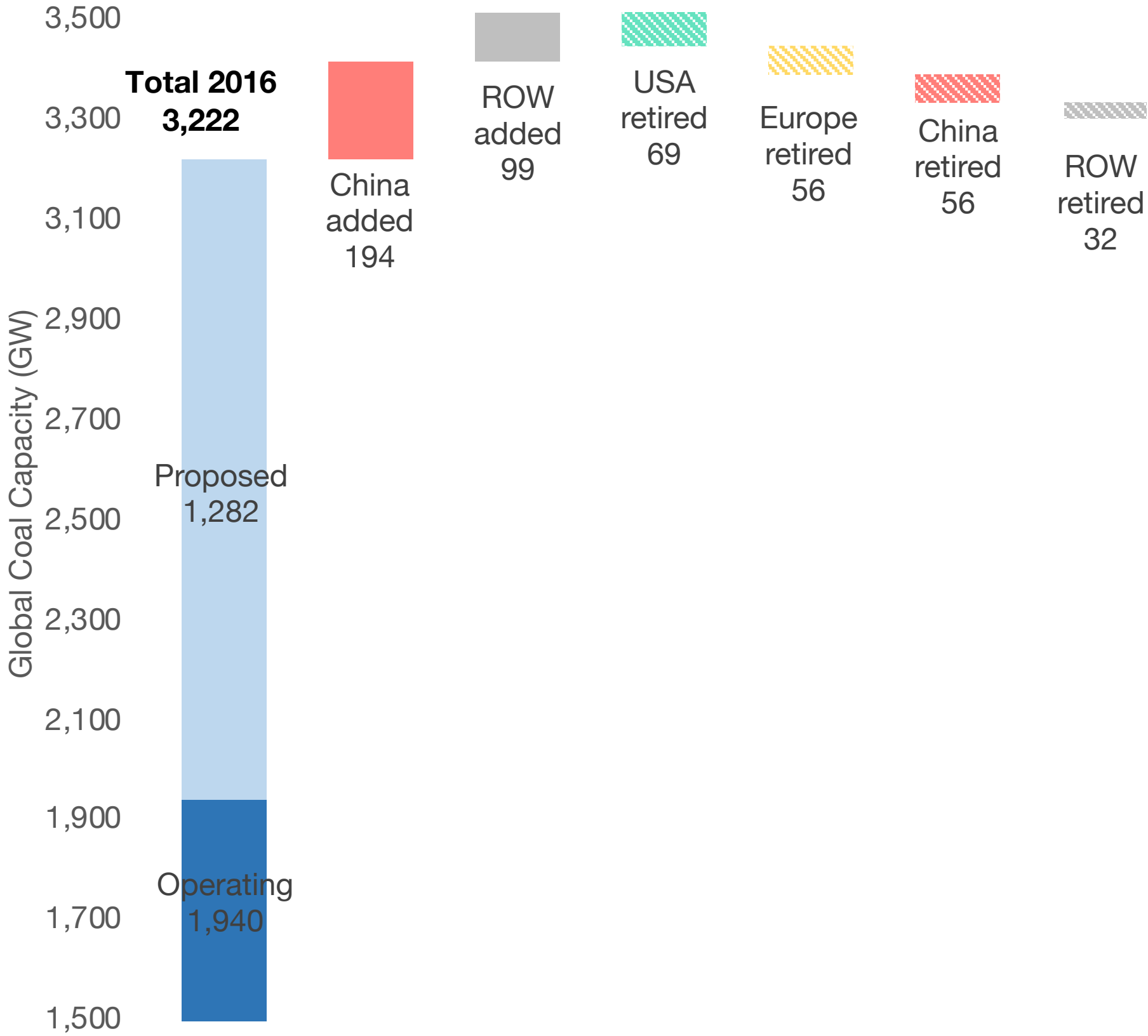
DATA SOURCE: GLOBAL ENERGY MONITOR

COAL PROJECT PIPELINE HAS DECLINED



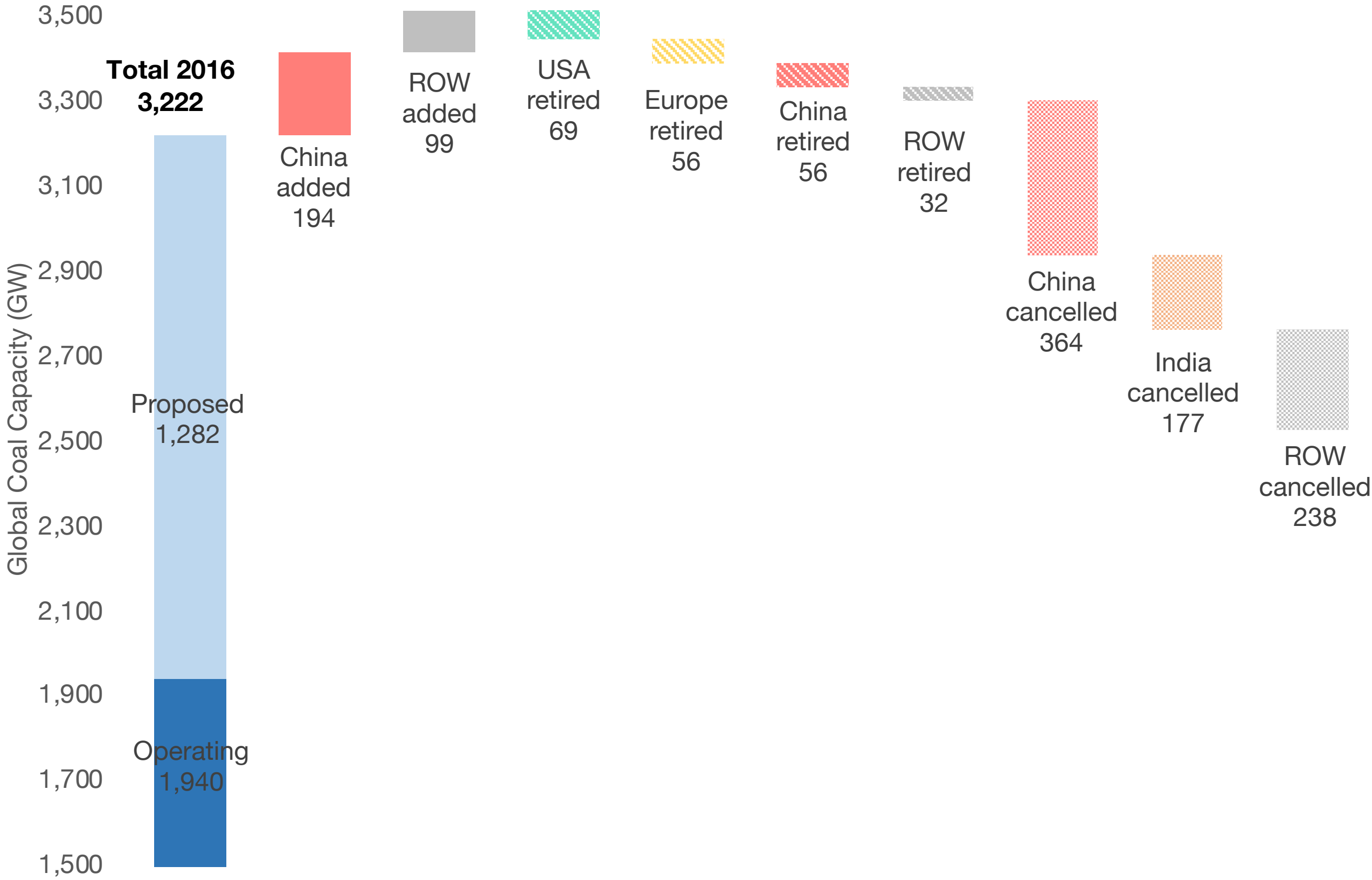
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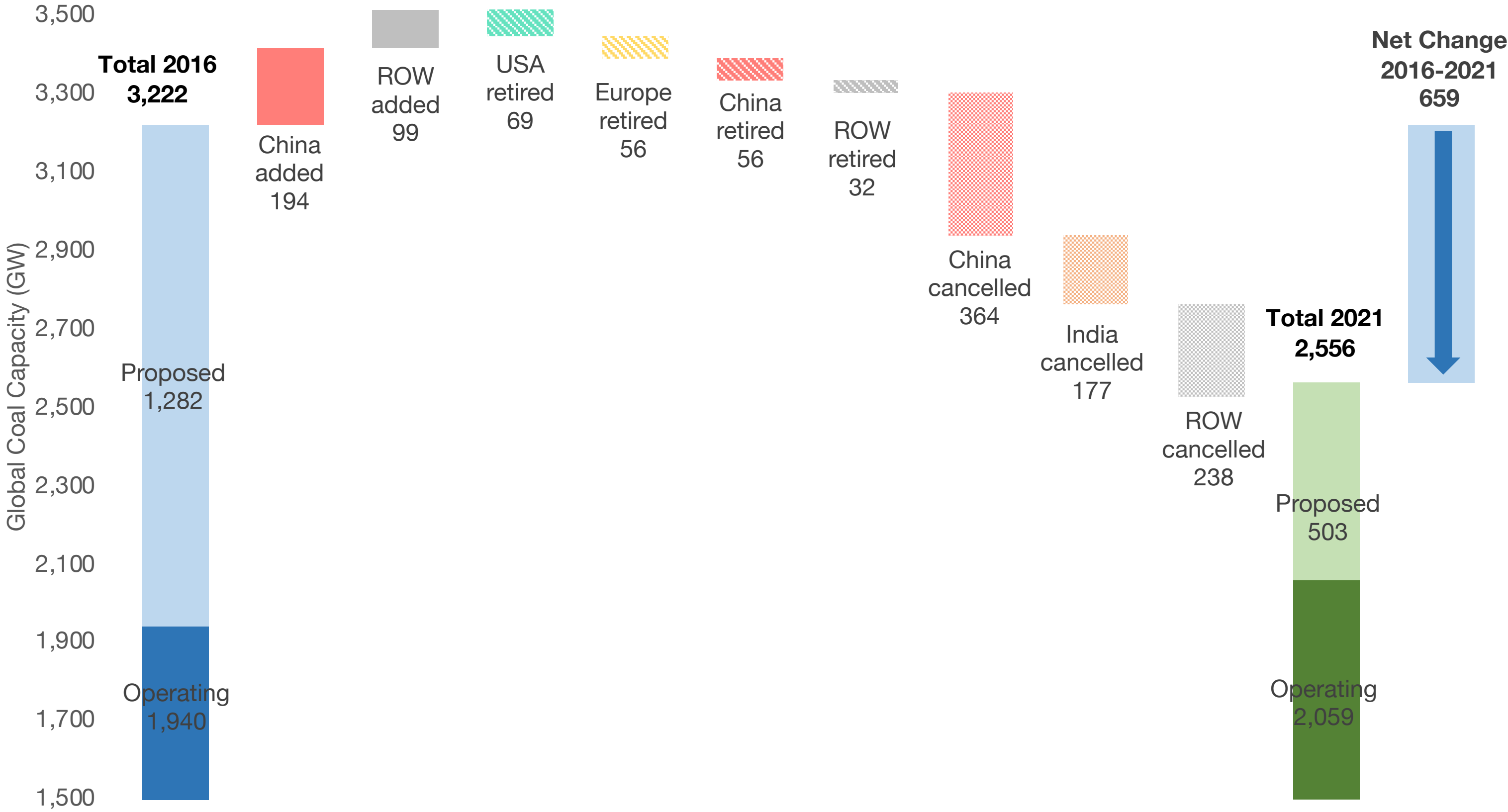
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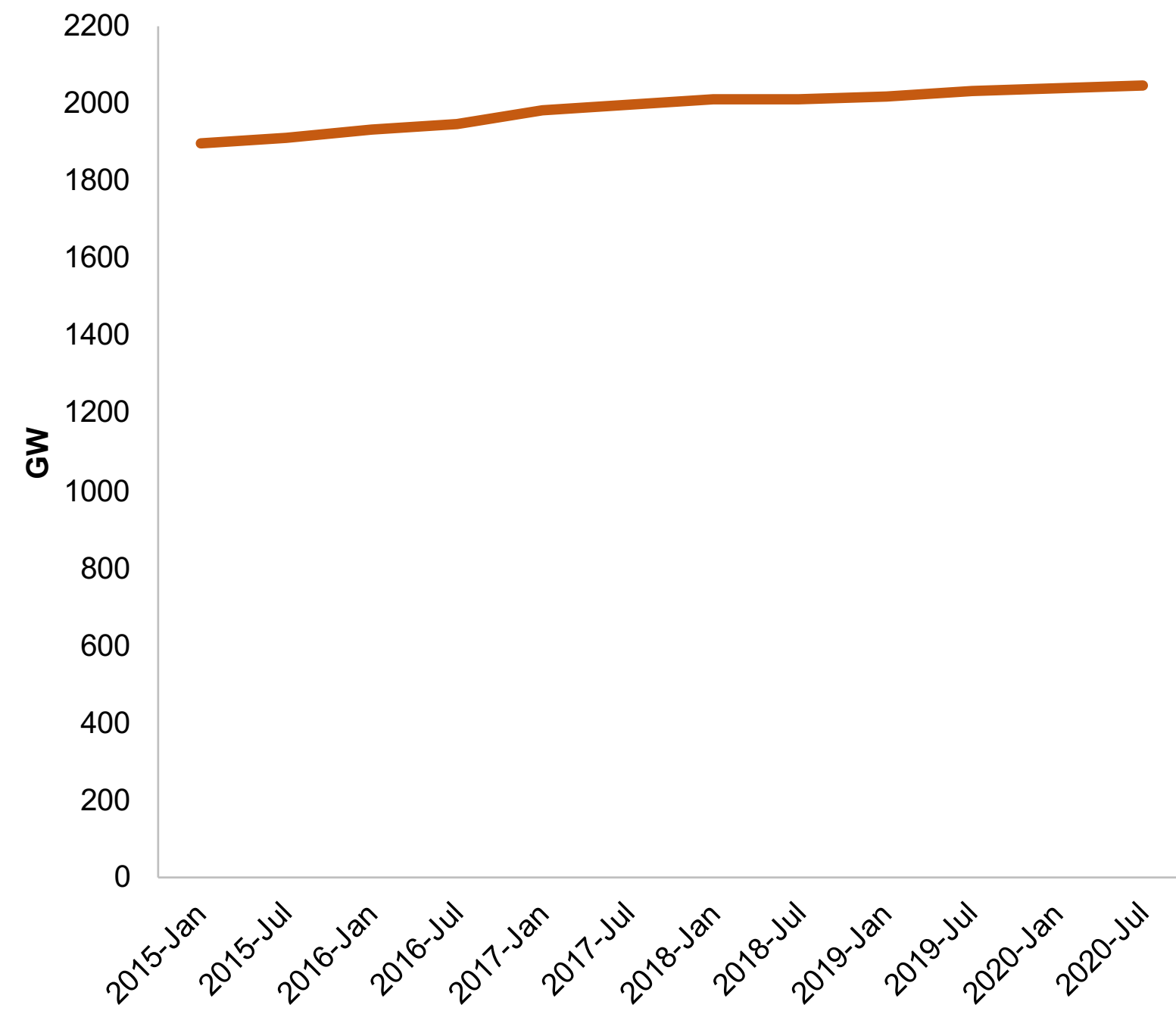
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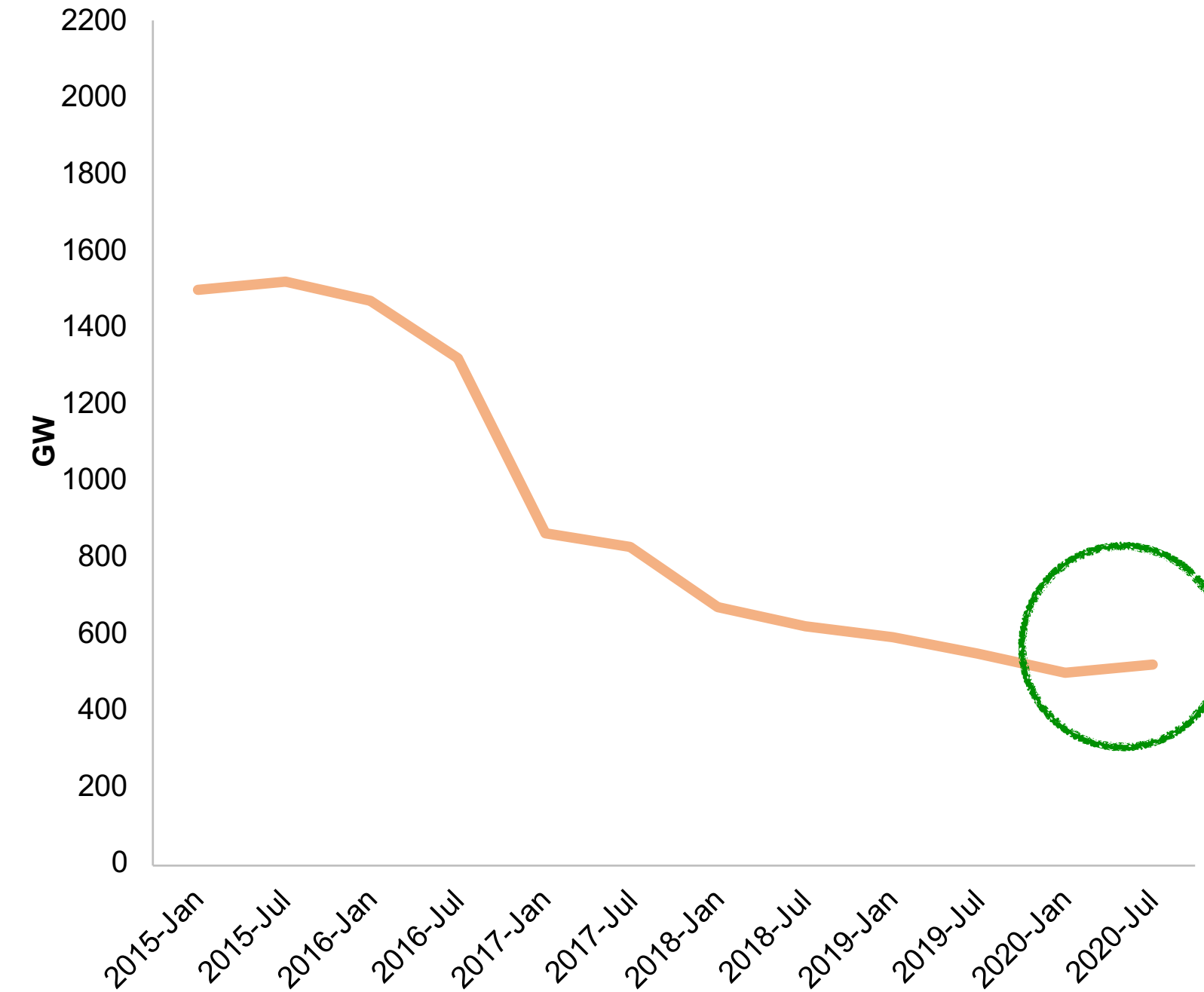
DATA SOURCE: GLOBAL ENERGY MONITOR

RECENT COAL TRENDS WITH COVID-19

Global Operating Capacity 2015-2020

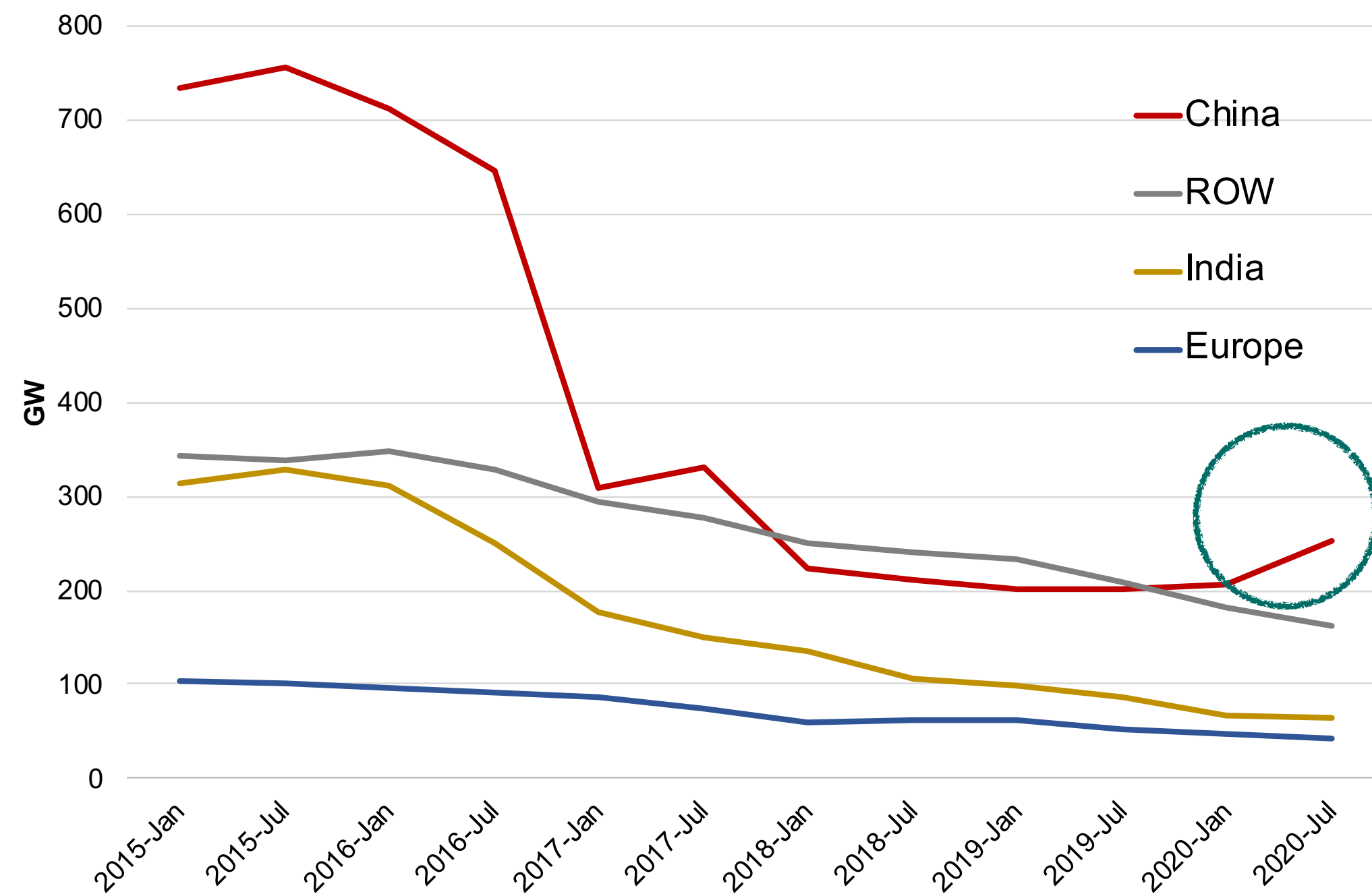


Global Proposed Capacity 2015-2020



RECENT COAL TRENDS WITH COVID-19

Global Operating Capacity by Country
2015-2020



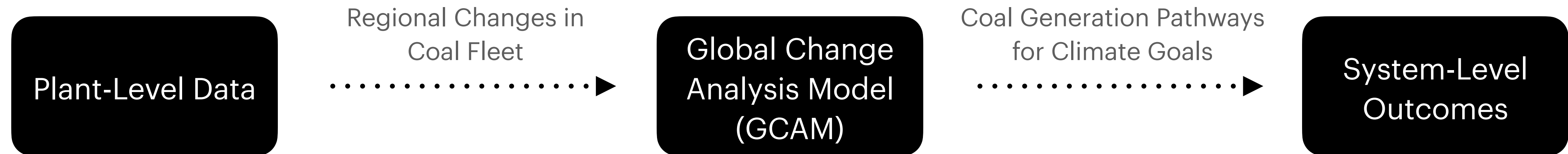
Construction delays

Temporary mine shutdowns

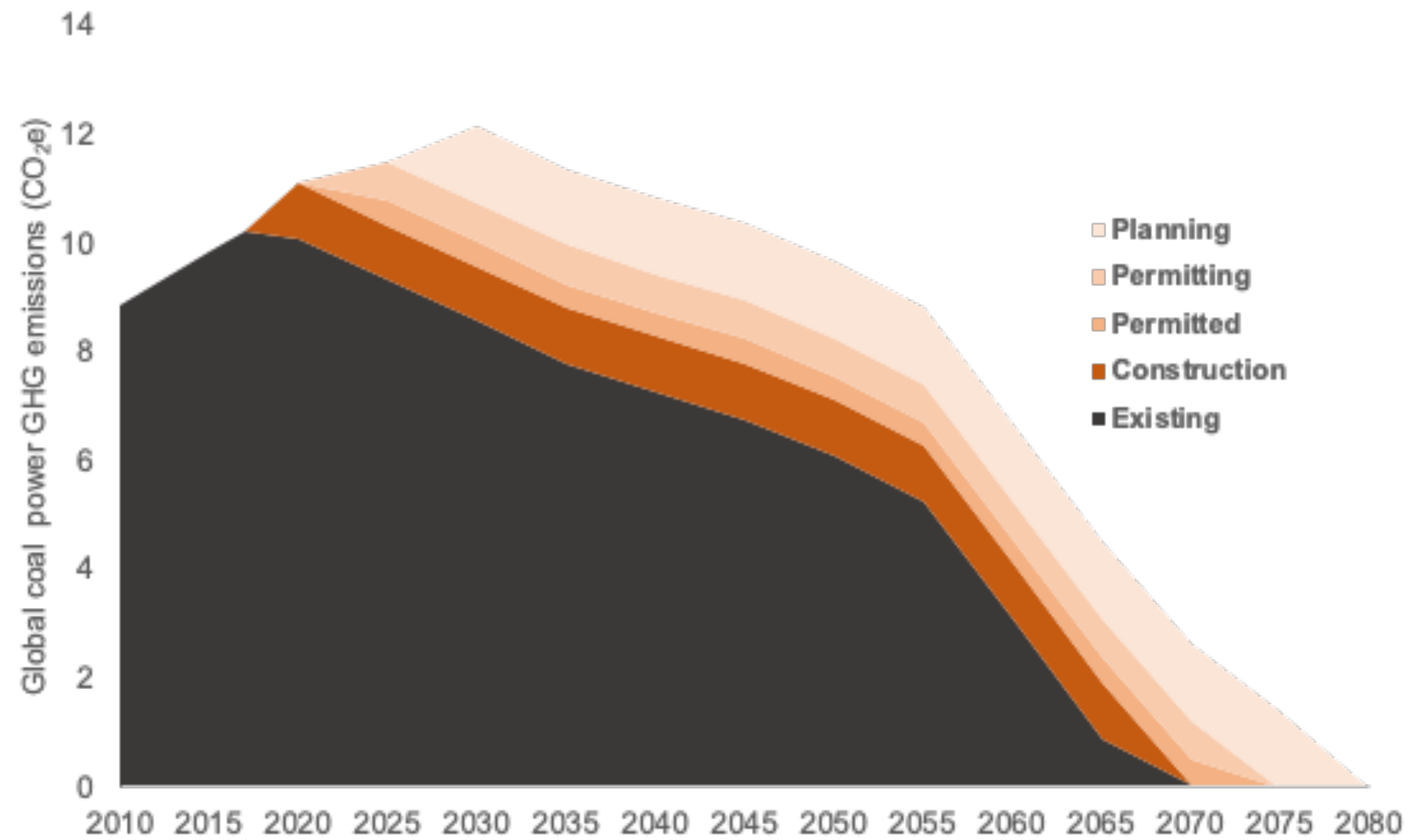
Increased permitting in China

- First half of 2020: 17 GW
- 2018 + 2019: 12 GW

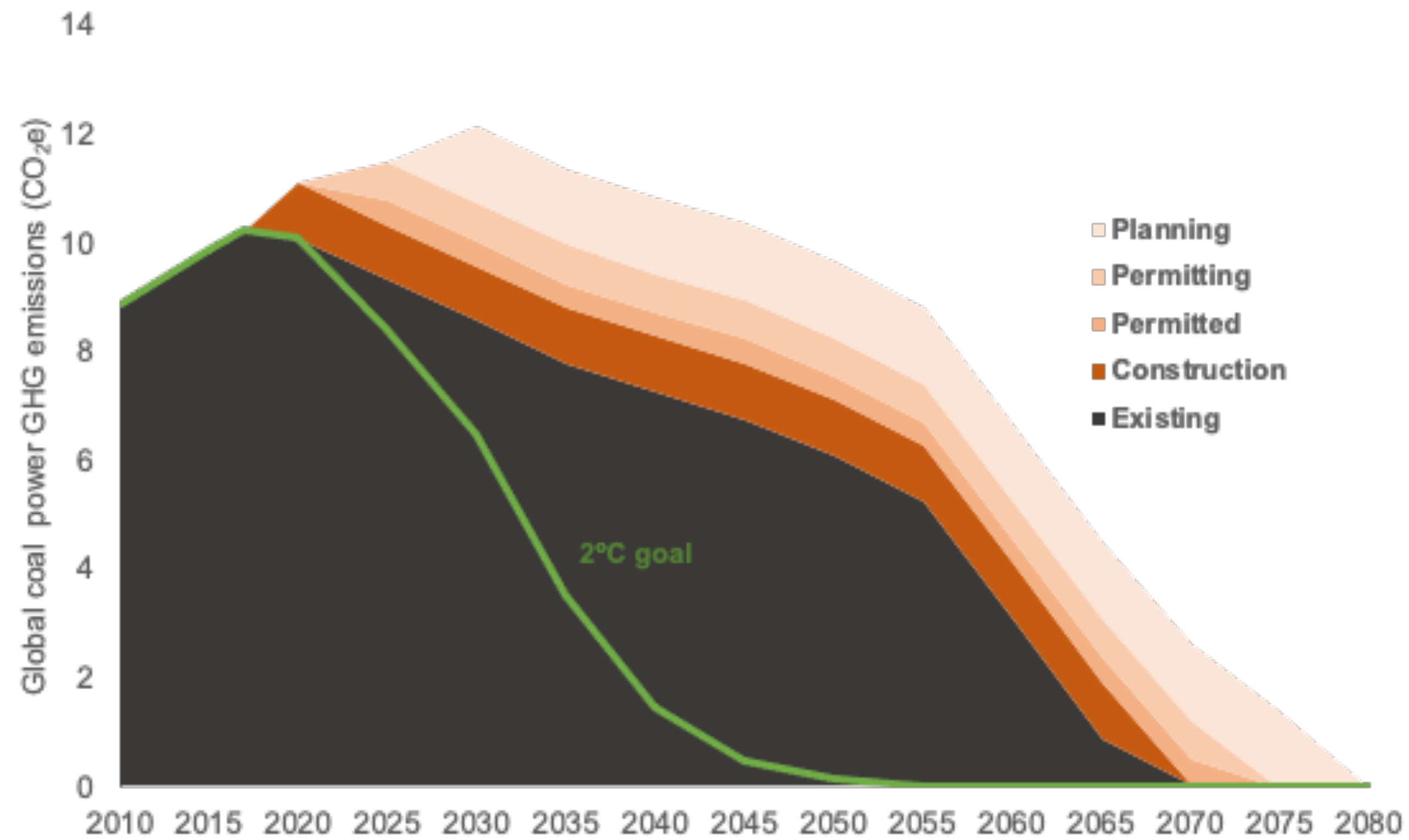
HOW DO THESE TRENDS COMPARE TO WHAT IS NEEDED?



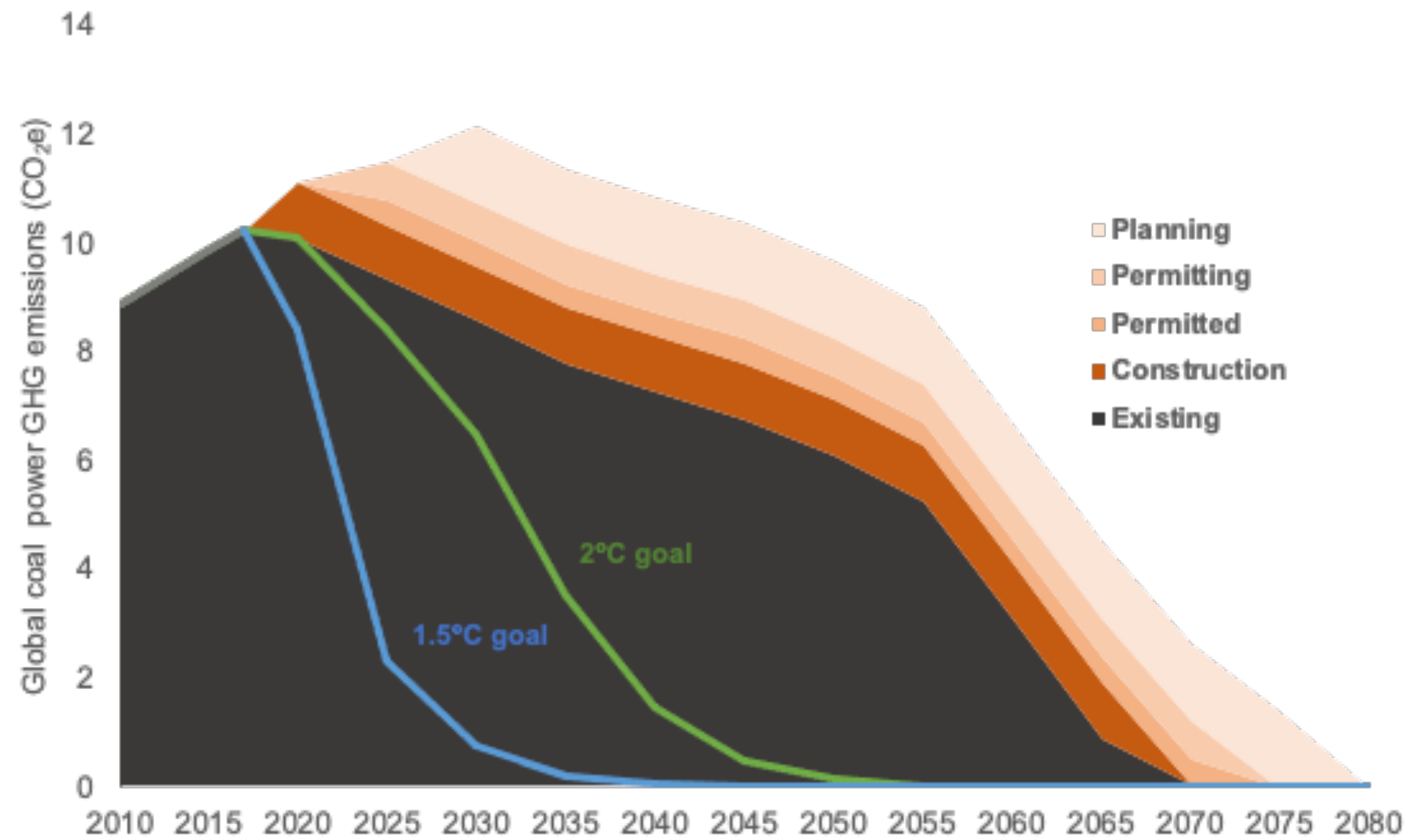
LIFETIME LIMITS FOR COAL POWER PLANTS



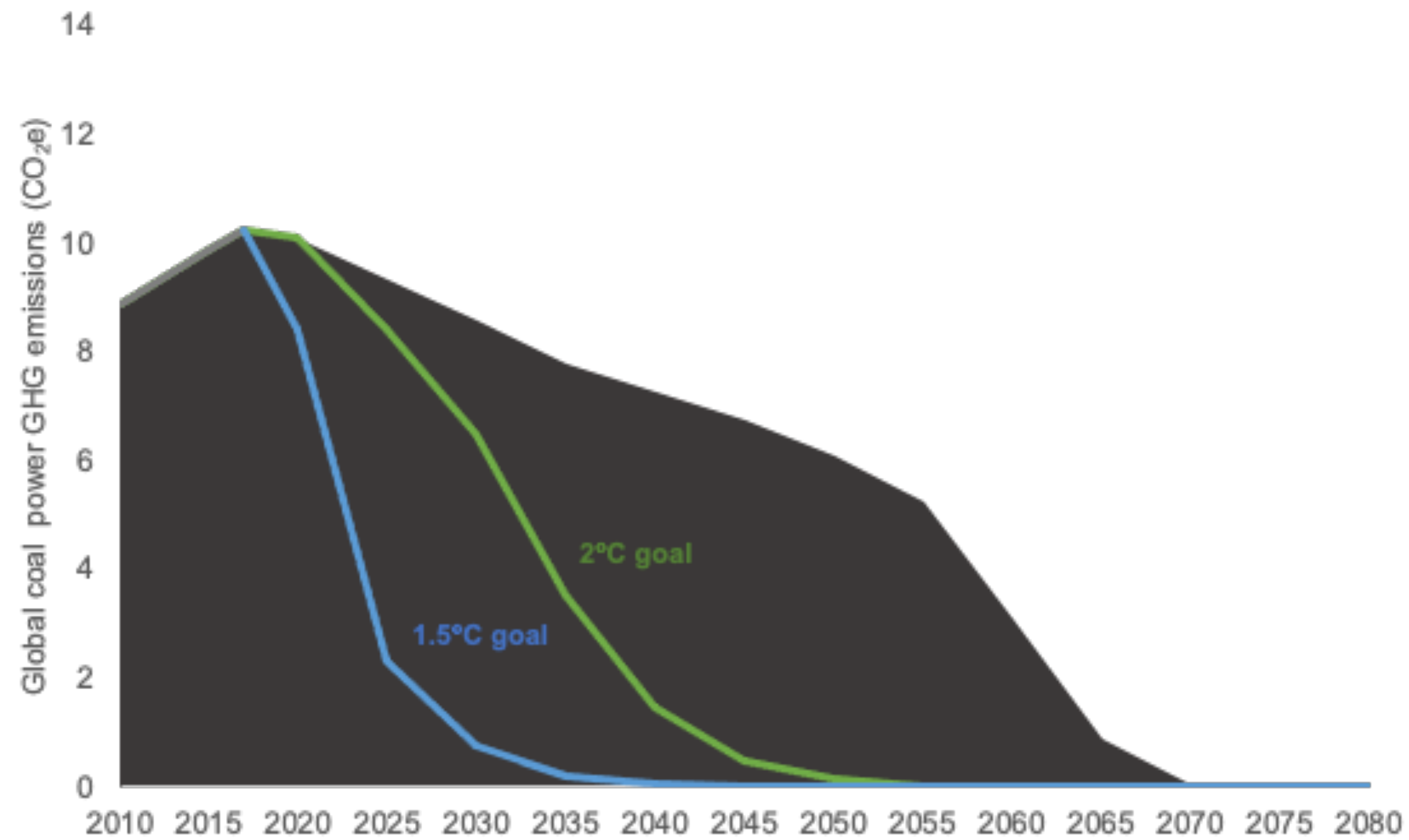
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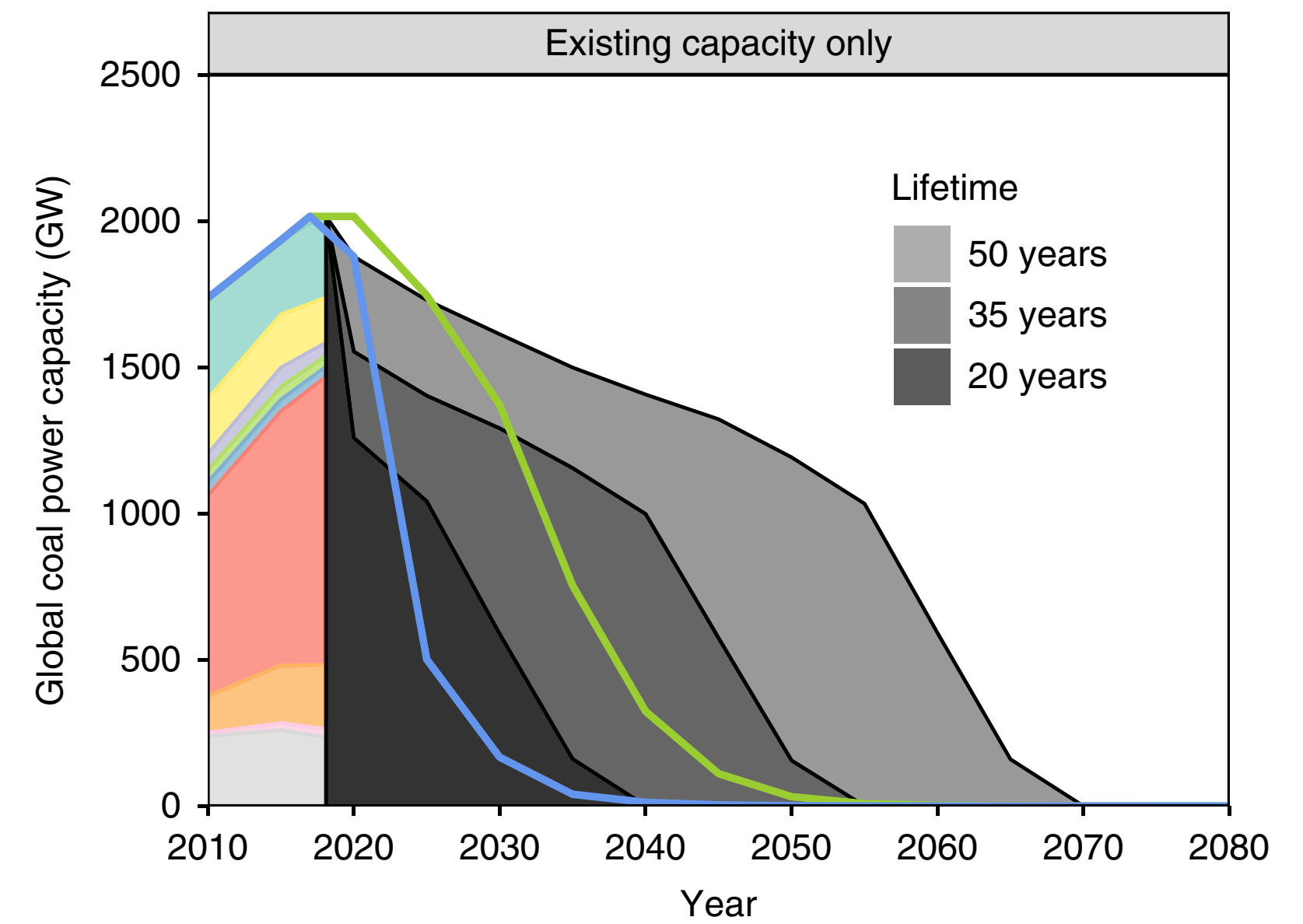
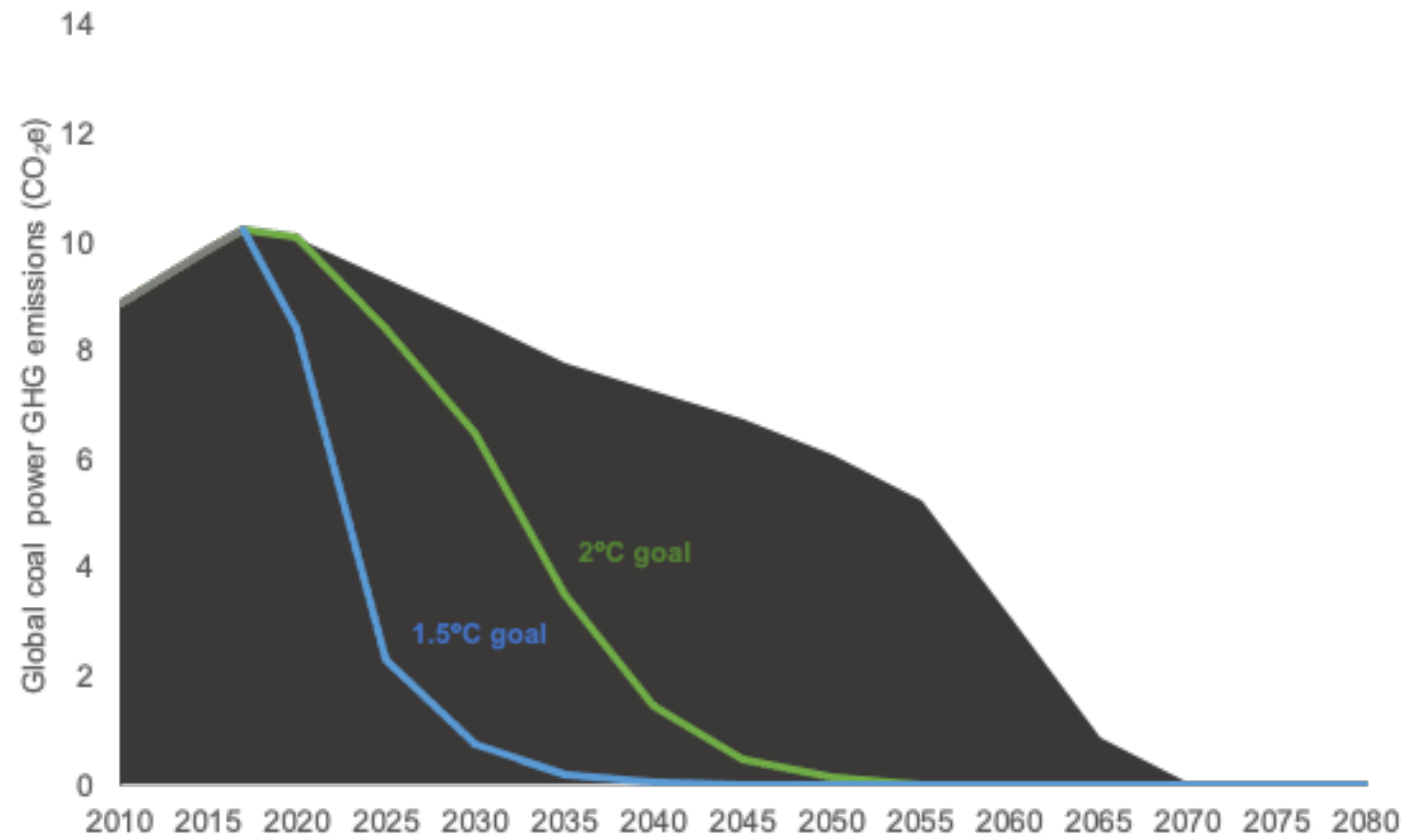
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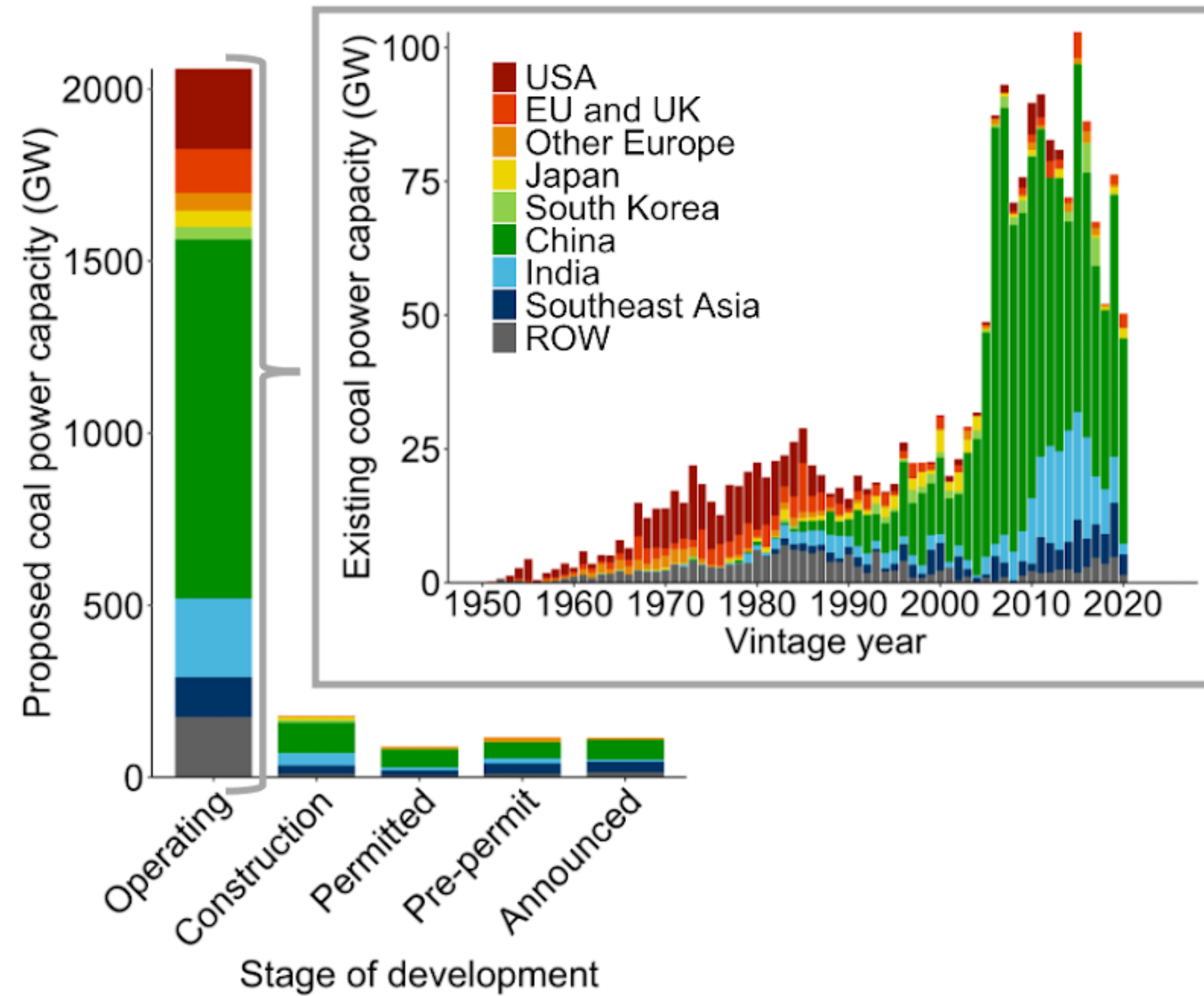
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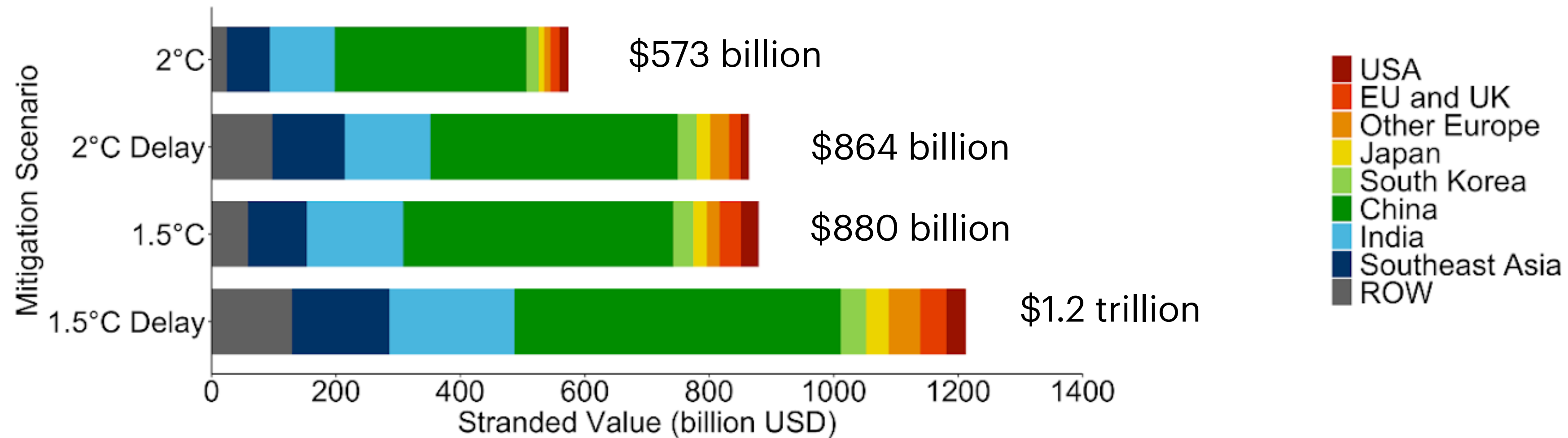
LIFETIME LIMITS FOR COAL POWER PLANTS



REGIONAL DISTRIBUTION OF COAL PIPELINE



STRANDED ASSETS INCREASE WITH DELAYED ACTION



- Stranded assets under a 1.5°C policy with immediate action similar to those under a 2°C policy with delayed action.
- Plants yet to be built represent 25% of capacity but 38% to 51% of stranded assets (1.5 or 2°C policy, respectively).

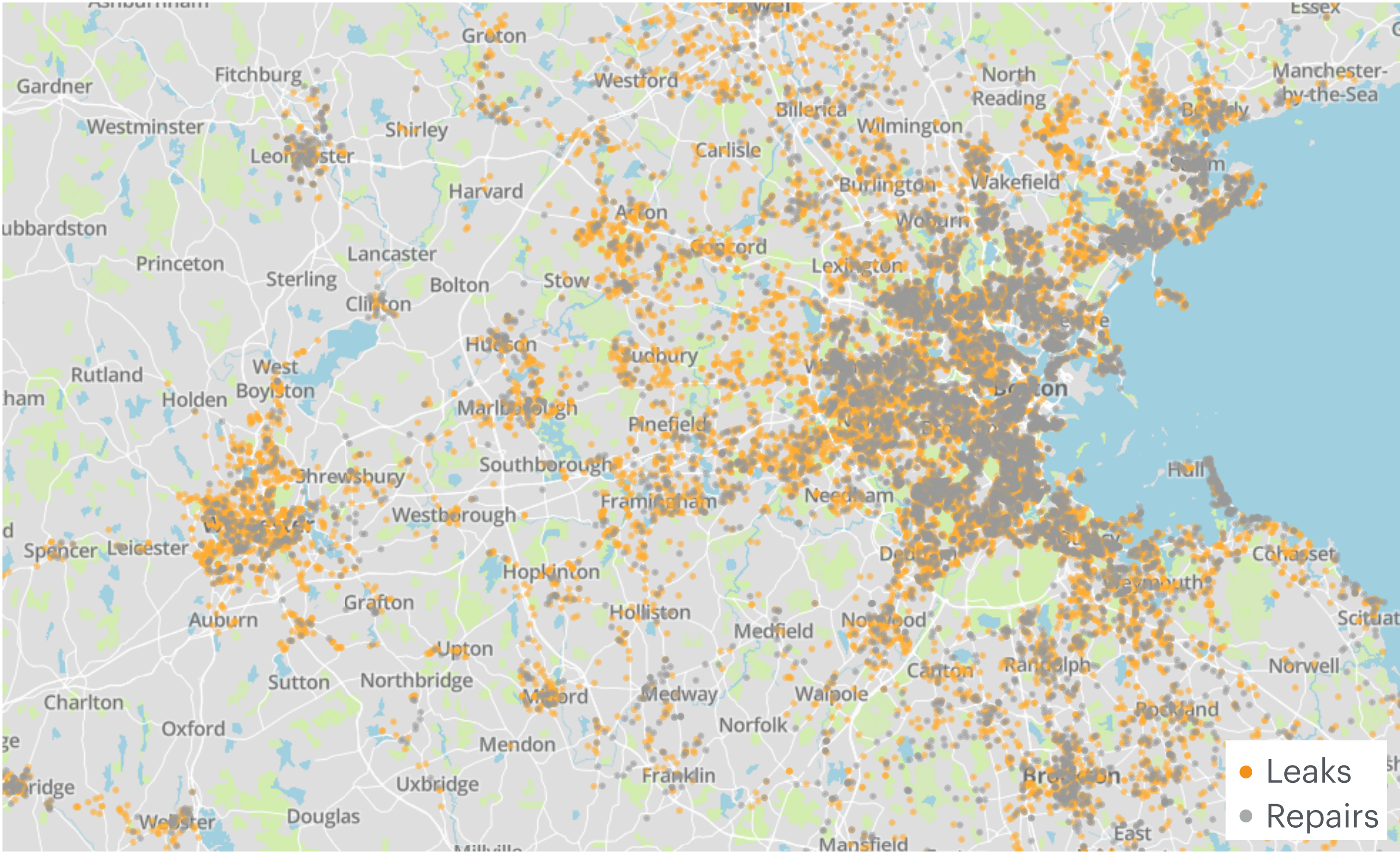
TAKEAWAYS FOR COAL PHASEOUT

- A no new coal policy would reduce both climate impacts and stranded asset risks.
- Even with no new coal plants, the existing fleet must retire ahead of historical average lifetimes.
- Continued coal expansion leads to faster retirement timelines and more stranded assets.
- Stranded asset risks fall disproportionately on emerging economies in Asia with newer fleets.

EXAMPLE IN ACTION:

NATURAL GAS IN BUILDINGS

GAS LEAKS AND CLIMATE CHANGE



EXPLORE THE MAP



[HTTP://CLIMATEACTIONLAB.COM/VISUALIZATIONS](http://climateactionlab.com/visualizations)

HOW EFFECTIVE ARE LEAK REPAIR EFFORTS?



SOURCE: [HTTPS://WWW.BOSTONGLOBE.COM/METRO/2019/07/31/GASLEAK/2Q50MDDXWJS9ALX1GTCJXK/STORY.HTML](https://www.bostonglobe.com/metro/2019/07/31/gasleak/2Q50MDDXWJS9ALX1GTCJXK/STORY.HTML)

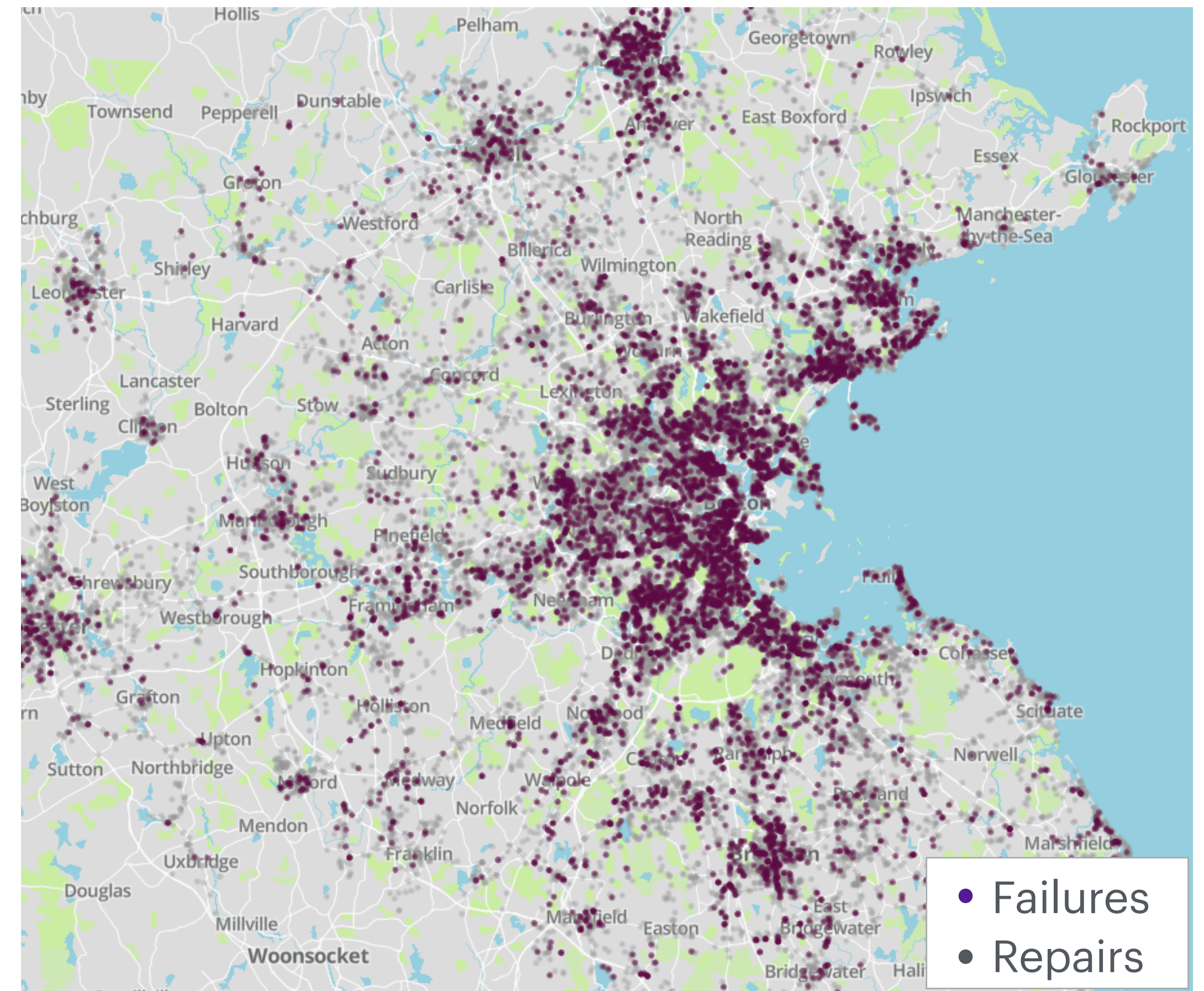
CALCULATING REAL-WORLD REPAIR SUCCESS RATES

- Utilities report leaks and repairs annually (since 2014).
- 150,000 entries with leak location, grade (a measure of safety risk), and repair status
- **Repair failure:** a repair is made, and later a leak is repaired or reported in the same location

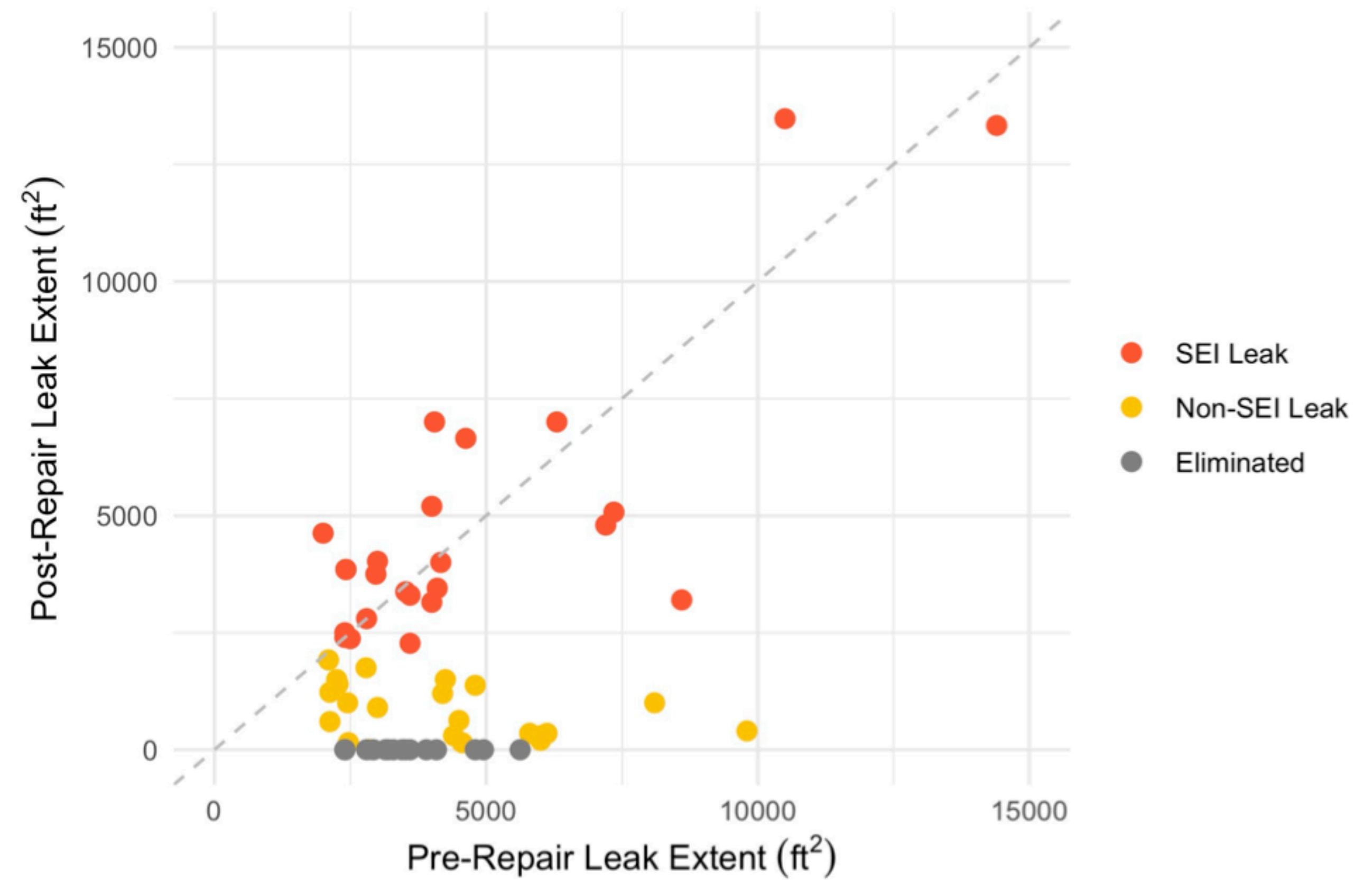
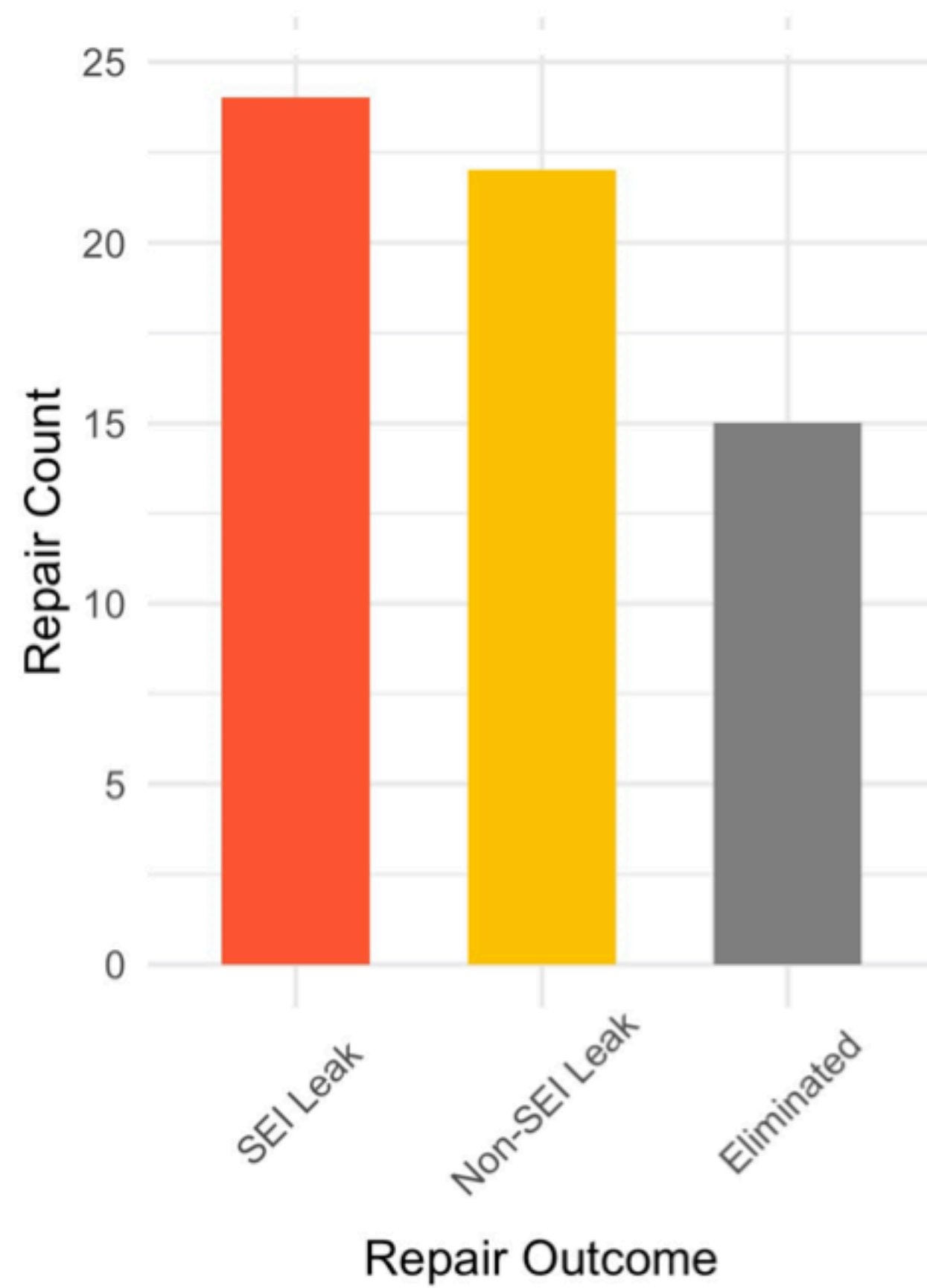
“I was really at a point of...maybe we should organize an Excel spreadsheet protest, because this is a stupid waste of everyone’s time...so I called off my Excel spreadsheet protest and they said yes, we’ll clean up the data a little.”

MAPPING REPAIR FAILURES ACROSS GAS LEAKS

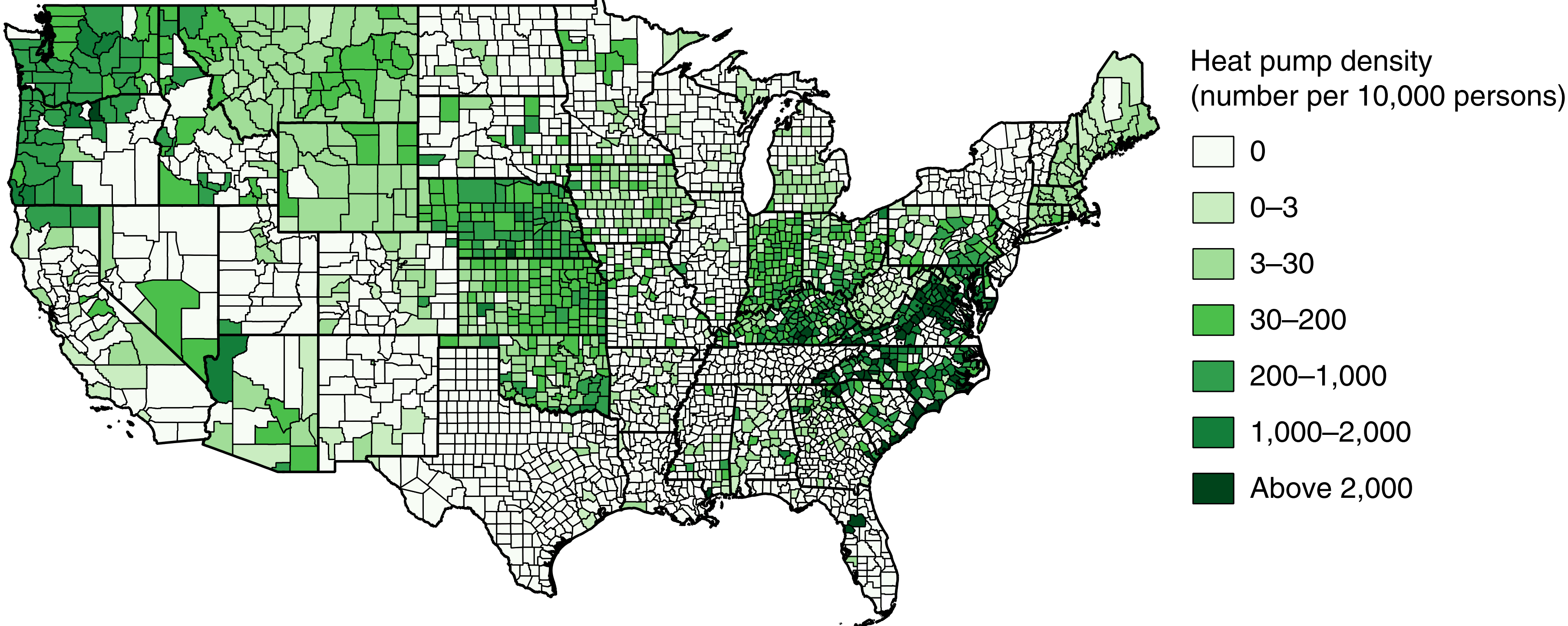
- Identify **9,861** repair failures (failure rate of 20%)
- Repair failures across locations, not limited to one particular utility or part of the state



REPAIR OUTCOMES FOR HIGH-EMITTING LEAKS



HEAT PUMPS ACROSS THE U.S.



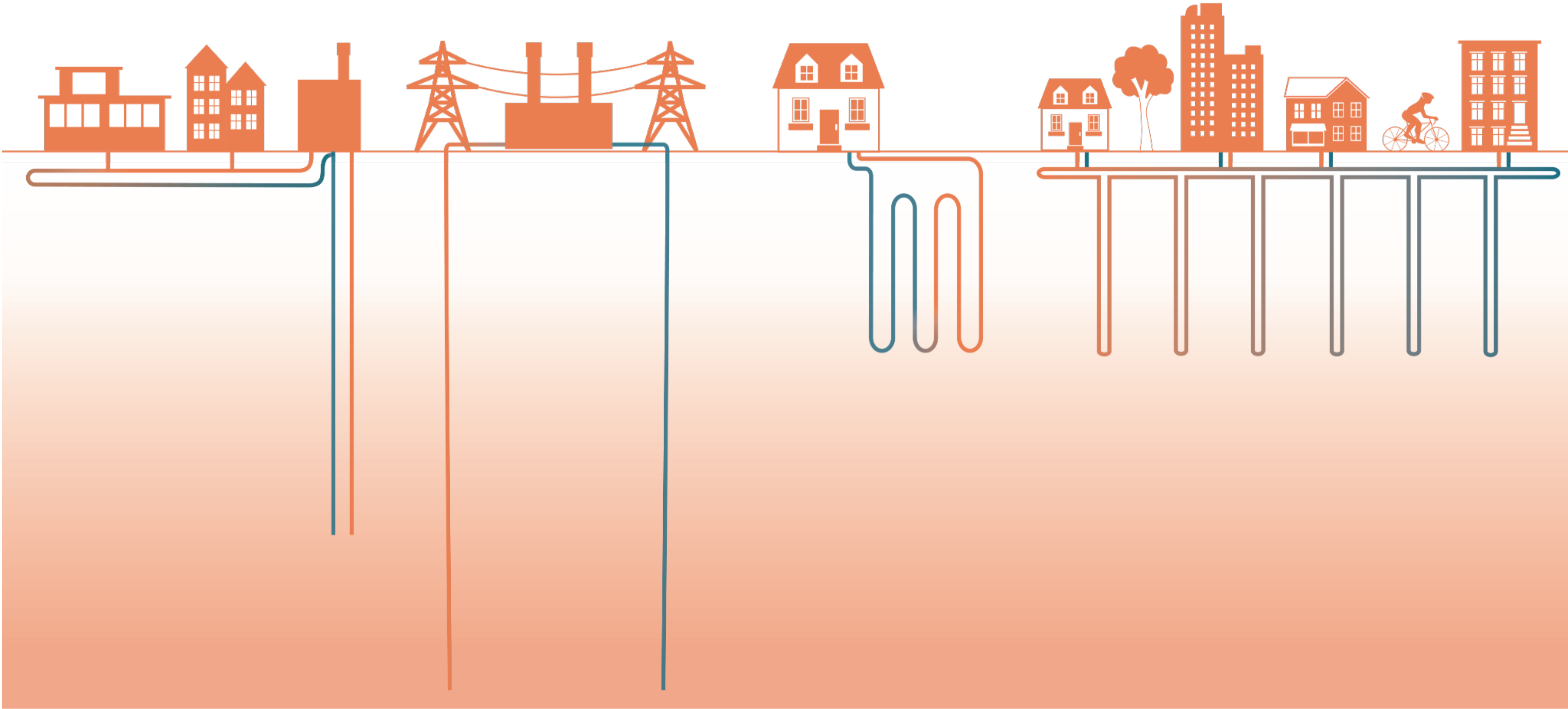
GROUND SOURCE AND GEO GRIDS

Geo District

Geo Power

Geo Building

Geo Grid



TAKEAWAYS FOR CLIMATE ACTION:

LOCAL + NATIONAL ACTION MATTERS TRACK CLIMATE GOALS...AND OUTCOMES



[GO.WISC.EDU/CLIMATEPOLICY](https://go.wisc.edu/climatepolicy)

Updates and Actions

Tar Sands Team Pipeline Updates

















To get involved email us at TarSandsTeam@gmail.com



We'll be at the Willy St. Fair, Parade, 9/19



Billionaire Bankers for Big Oil event, 10/2



Upcoming team meetings -- all welcome!

Tar Sands Team

The Tar Sands Campaign is fighting Enbridge tar sands pipelines in WI. Our aims are to halt plans for a Line 66 in the Line 61 corridor, and to stop the reroute of Line 5 in Northern WI and to #ShutDownLine5! We support efforts led by those most impacted, including tribes, landowners, and affected community members

Meeting: Monday Sept. 13 (5:45 to 6:45 p.m, to plan further work to stop these pipelines.

Contact phyllis.hasbrouck@350Madison.org

Divest & Defund (D&D)

With the Glasgow climate talks fast approaching, now is the time to make the drumbeat for climate justice steady and relentless. Jump In And Join the Next Action-ar i.e. a remote meeting in which the focus is acting to Defund Climate Change - Together.

Tuesdays 7 pm - 8 pm: Have paper & pen handy OR a phone with text messaging capability.

350madison.org/upcoming-events

Fundraising Team Updates

- Summer Events -- thanks for participating!
 - Garage Sale
 - Mallards Games
 - Exact Sciences Support
- Upcoming Events
 - Car Free for the Climate -- starts Wednesday thru 10/15!
 - GivingTuesday -- 11/30
 - Benefit Nights
- Team Meetings
 - 3rd Wednesday at 6pm
 - stephanie.robinson@350madison.org



Car Free for the Climate

- First annual grassroots fundraising event for 350 Madison!
- Uses individual action to raise funds for collective action.
- Raises awareness about the climate crisis.
- Personal challenge to go car-free during one month.
- Highlights the need for policies that support alternatives to driving.

A fun way to support 350 Madison and help build a strong climate movement in Wisconsin!




Getting Started:

- Register individually or with a team
- Create an online fundraising page -- it's easy!
- Set a fundraising goal
- Choose your challenge & pledge to go car-free for 5, 10, 15 days or more!
- Spread the word -- tell friends and family about your fundraiser!
- Share on social media and tag @350madison!

HAVE FUN!

Maya Rachel



\$5.18 of \$350.00

1%

Donate Here

Join the Fun! Create Your Own Page



350


Welcome to Maya Cherins' Page!

I am fundraising for 350 Madison's C4C campaign because I want to see a world with sustainable practices and environmentally friendly systems. Transportation accounts for 29% of carbon emissions in the U.S., so replacing car travel helps protect the planet! By biking, walking and taking public transportation, we are working together to build that sustainable future.

I plan on using biking as my main mode of transportation for the next month!

Join me in creating a sustainable future by donating to this cause that is near and dear to my heart. Thank you!

Share my page with your friends & family!



350 Madison mobilizes people to take action on climate change and demand a rapid transition to a just and sustainable world. 350 Madison opposes pipelines and other fossil fuel infrastructure, works with local governments to convert society to clean renewable energy, pressures large financial institutions to stop financing fossil fuels, and promotes change for a healthy, sustainable environment. 350 Madison envisions a global community that protects our beautiful planet and supports the flourishing of all living beings. **Together we are making a difference!**

Leave me a message:



C4C Links & Resources

Registration:

- 350madison.org/upcoming-events/

Tool Kit:

- How to register & create your page
- Sample outreach language

Bike Week Party, Brittingham Park,
9/17, 5-8pm


Questions: maya@350madison.org


CAR FREE FOR THE CLIMATE
A fundraiser for 350 Madison
09.15. - 10.15.

WHAT:
A MONTH-LONG EVENT TO SUPPORT CLIMATE ACTION AND HELP 350 MADISON BUILD A STRONG CLIMATE MOVEMENT IN WISCONSIN!

WHO:
ANYONE WHO SHARES OUR MISSION TO CREATE A SUSTAINABLE WORLD POWERED BY CLEAN, RENEWABLE ENERGY. START FUNDRAISING FOR CLIMATE JUSTICE! USE THIS LINK OR SCAN THE QR CODE BELOW
REGISTER: [HTTPS://350MADISON.ORG/UPCOMING-EVENTS/](https://350madison.org/upcoming-events/)

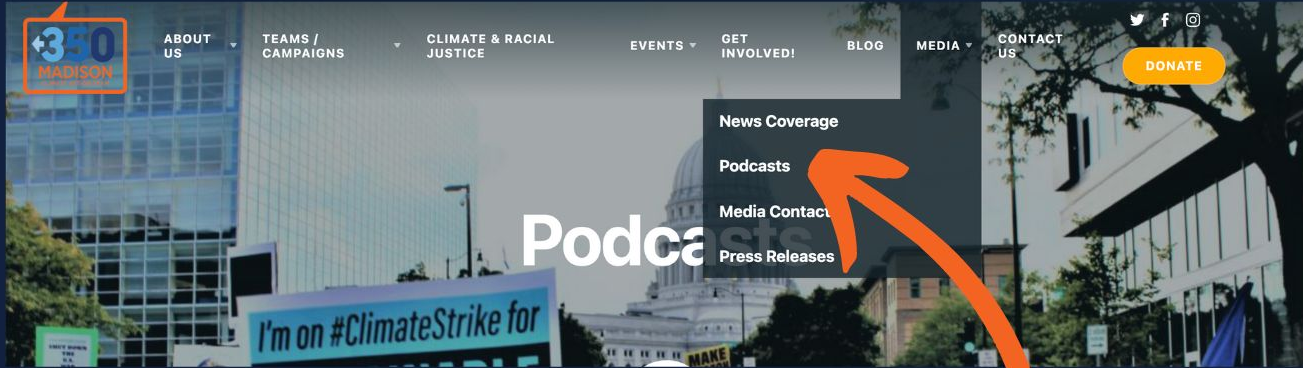
WHY:
CHALLENGE YOURSELF AND OTHERS TO GO CAR-FREE! PROMOTE MORE SUSTAINABLE MODES OF TRANSPORTATION AND HEALTHY ALTERNATIVES TO DRIVING!

 350 Madison is an unstoppable movement of everyday people, working together to build a fossil-free future powered by 100% renewable energy. We offer a wide range of meaningful ways to engage on climate change. Together, we are making a difference!



01

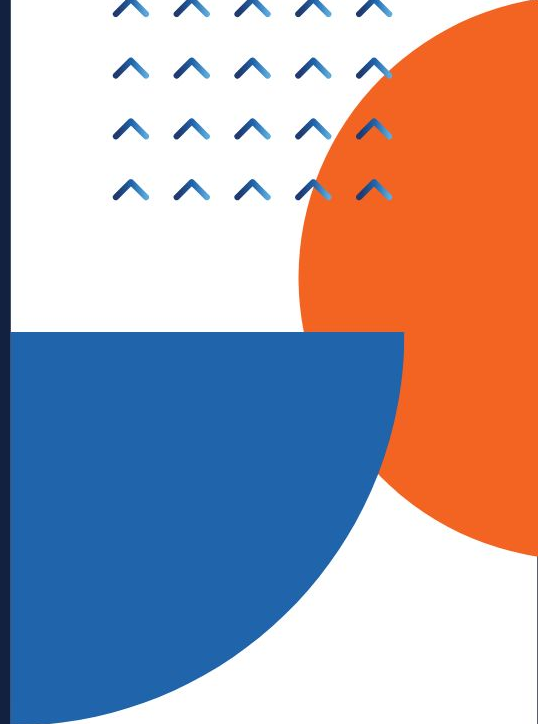
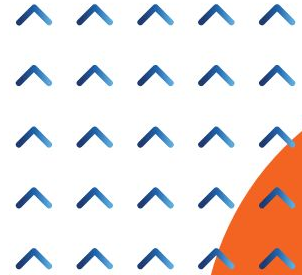
Community Climate Solutions Team



The Community Climate Solutions Team
launched a **Podcast!**

3 Episodes with **local climate content**

*Listen on the
350 Madison Website!*

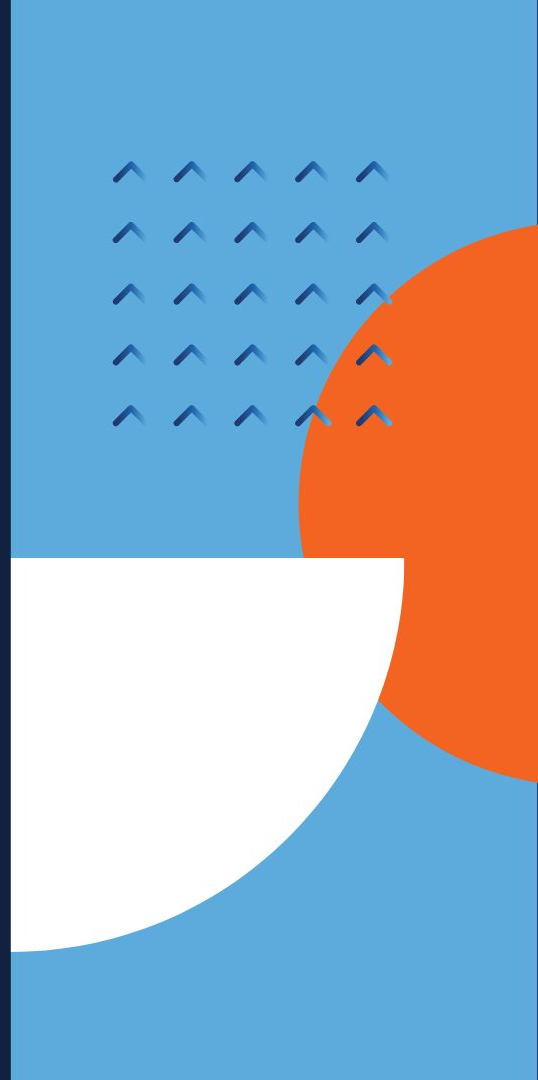


02

Community Climate Solutions Team

THE MADISON COMMUNITY WORKING GROUP *NEEDS YOU*

NEW PROJECTS:



ALDER LIAISONS:

- build and maintain **relationships** with city alders
- **gather data** and feedback specific to each district
- learn about upcoming city **initiatives** for CCST to advocate for

CITIZEN ENGAGEMENT:

- **share** CCST's work with the Madison community
- educate and build citizen **engagement**
- **create content** for social media such as infographics, artwork, etc

CITY COUNCIL CORPS:

- **track** City Council initiatives
- advocate and **garner support** for climate forward policies



UPCOMING TEAM MEETINGS:

- **Community Climate Solutions Team (CCST)**
 - Meeting: Third Thursdays (September 16), 5:00-6:00 pm
 - Contact susan.millar@350Madison.org.
- **CCST's State Policy Group**
 - Meeting: 1st and 3rd Wednesdays of the month (4:00-5:30 PM)
 - Contact Gail.Nordheim@350madison.org

Climate Justice Team: F 35s at Truax

- Air Force's decision in April to locate in Madison
- Climate (and other) negative impacts:
 - **U.S. Department of Defense is the is the largest institutional consumer of fossil fuels and producer of CO2 emissions in the world. The largest portion of that fuel consumption is military jets. 1.2 Billion tons since 2001**
 - **Unsafe noise levels: A disproportionate number of vulnerable houses are occupied by low income and minority populations. The F-35 will be four times louder than the current F-16s, and will fly 47% more often. Over 1,00 homes potentially incompatible with residential use**
- The Opposition continues!! *Safe Skies Clean Water*
 - **Write letters to the editor, arrange op-eds, make group statements, make the media pay attention to our opposition to the F-35 program.**
 - **Contact elected officials: City Council, Dane County Board, State Senate and Assembly, and US Senate and Legislature.**
- Stay Tuned for date and info on the Citywide Caravan and Art Build!

Upcoming Climate Justice Opportunities

Solidarity Saturdays Series: [With Allies for Black Lives Madison](#) and [Families for Justice](#)

- [Saturday September 25](#): Redistribution of Wealth - Location TBD
- [Saturday October 30](#): Climate Justice and Capitalism by 350 Madison - location TBD

Sierra Club WI Chapter's Environmental Justice Series

- [Tuesday, September 28 at 6:30 pm](#) | Connection between Wolves and Indigenous Nations: Screening of the film 'Family' followed by Panel Discussion
- [Thursday, October 7 at 6:30 pm](#) | Thru-hiking the Ice Age Trail: Emily Ford on race and outdoor recreation

Upcoming team meetings -- all welcome!

Climate Justice Team

“A shift from a discourse on greenhouse gases and melting ice caps into a civil rights movement with the people and communities most vulnerable to climate impacts at its heart.” Mary Robinson, former President of Ireland

Team Meetings: Usually meet the *Second Monday of each Month* - **September Meeting is September 20th at 7:00 pm**

Contact: Tanace Matthiesen at
tanace.matthiesen@350madison.org

Volunteer of the Month



Christina Koch!

Save the Date - October Meeting

Date/Time: Monday, October 4 @ 7:00pm

Speaker: Indi Namkoong of 350 Portland, on the Portland Clean Energy Fund

Breakout Rooms

Room 1: Q+A with our speaker

Room 2: Divest and Defund

If a newcomer, please stay in main room to meet with Nikki

If you are unable to find the button or choose a room, put a message in the chat indicating which room you would like to join.

