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Environmental and
Energy Study Institute

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What's on the Table for the Negotiations?

Briefing Series: What Congress Needs to Know About COP27

Wednesday, November 02, 2022

About EESI



Non-partisan Educational Resources for Policymakers

A bipartisan Congressional caucus founded EESI in 1984 to provide non-partisan information on environmental, energy, and climate policies



Direct Assistance for Equitable and Inclusive Financing Program

In addition to a full portfolio of federal policy work, EESI provides direct assistance to utilities to develop “on-bill financing” programs



Commitment to Diversity, Equity, Inclusion, and Justice

We recognize that systemic barriers impede fair environmental, energy, and climate policies and limit the full participation of Black, Indigenous, people of color, and legacy and frontline communities in decision-making



Sustainable Solutions

Our mission is to advance science-based solutions for climate change, energy, and environmental challenges in order to achieve our vision of a sustainable, resilient, and equitable world.

Polymaker Education

Briefings and Webcasts



Live, in-person and online public briefings, archived webcasts, and written summaries

Climate Change Solutions



Bi-weekly newsletter with everything policymakers and concerned citizens need to know, including a legislation and hearings tracker

Fact Sheets and Issue Briefs



Timely, objective coverage of environmental, clean energy, and climate change topics

Social Media (@EESIONline)



Active engagement on Twitter, Facebook, LinkedIn, and YouTube

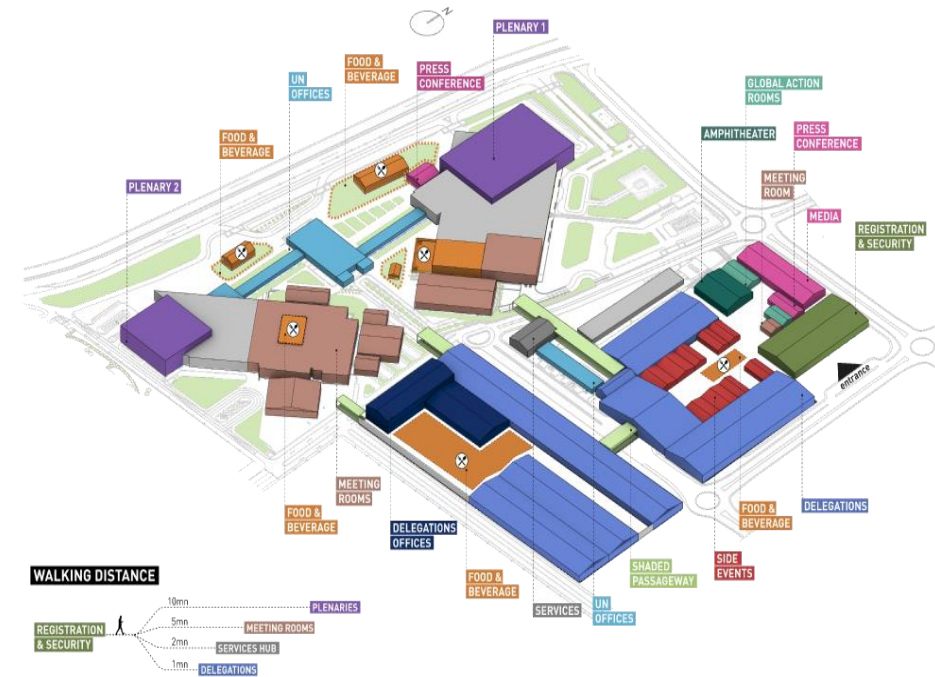
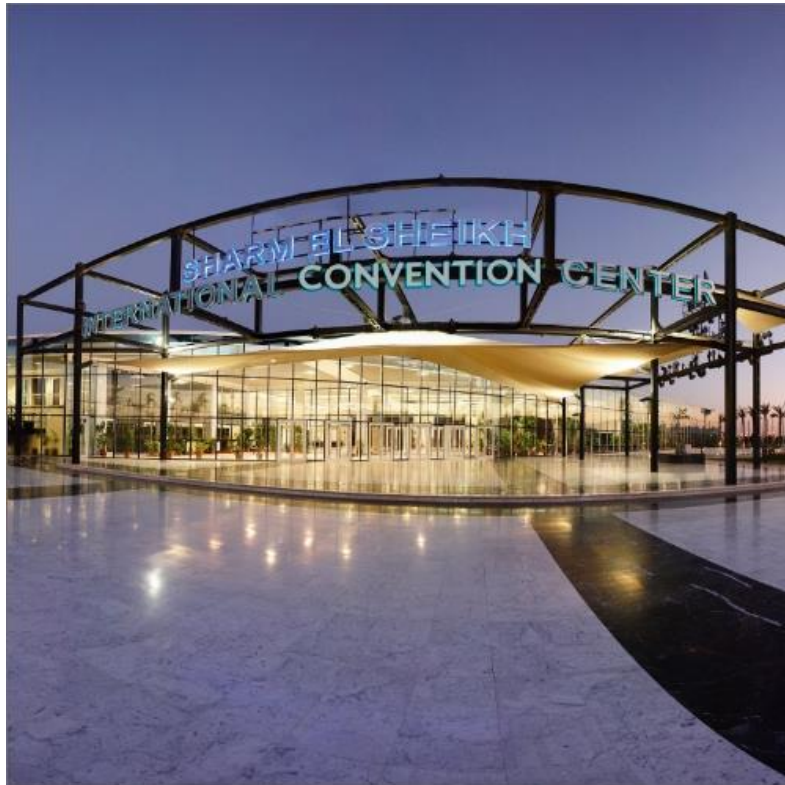


COP27 in Sharm el-Sheikh, 6-18 November 2022

EESI Briefing, *What's on the Table for the Negotiations?*

Professor Tracy Bach

Lecturer, Tuck School of Business at Dartmouth and RINGO CFP



<https://cop27.eg/#/conference#venues>

COP27 in Sharm el-Sheikh, 6-18 November 2022

- **Week 1 – technical work of SBs**
 - ***Opening plenaries*** of COP/CMP/CMA and SBI/SBSTA
 - ***Negotiations*** in contact groups, informals, and informal/informals, mostly of SBI and SBSTA
 - ***Mandated events/workshops*** like first part of the high-level segment (HLS), global stocktake technical dialogues (GST TD)
 - ***Presidency events*** like Sharm el-Sheikh Climate Implementation Summit
 - ***Other high-level events*** like presentation of IPCC findings, Global Climate Action (GCA) High Level Event Opening, Earth Information day 2022




COP27 in Sharm el-Sheikh, 6-18 November 2022



- **Week 2 – political work of COPs**
 - Resumed HLS
 - Mandated events like High-level ministerial round table on pre-2030 ambition, Fifth biennial high-level ministerial dialogue on climate finance
 - Bilaterals and closed sessions where Parties look to find convergence on COP decision text

COP27 – Egyptian Presidency

COP27 Presidency Vision & Mission Conference Trip Planning News Media		
09 Nov Finance Day  Finance is the cornerstone for implementing climate actions and scaling up ambition and hence it has been at the heart of the UNFCCC process and the Paris Agreement negotiations. The Glasgow outcomes also reiterated the centrality of finance as a catalyst for progress on all aspects of the global climate agenda and many Parties demonstrated the political will to deliver on	10 Nov Science Day  2022 witnesses several landmark science reports from IPCC, UNEP, and other institutions. Ocean science as well as outcomes from Oceans conferences including the 3rd UN Oceans conference are gaining relevance and linkages to the global climate agenda are evident. The science related to the UNCCD and UNCBD, together with Stockholm+50 are also clearly relevant and interlinked with	10 Nov Youth & Future Generations Day  Ensuring that the voice of Youth and Future Generations is heard loud and clear is one of the objectives of the CoP27 Presidency. Having heard the priorities and concerns of Youth representatives over the past few months, it has been decided to hold a stand-alone day to engage Youth and ensure that their perspectives are taken on board and reflected across all areas of the climate agenda. The day will provide an
11 Nov Decarbonization Day  Since the adoption of the Paris Agreement and all the way to Glasgow in 2021, several energy intensive sectors and companies have come forward with plans and policies and actions aiming to reduce their carbon footprint and to gradually	12 Nov Adaptation & Agriculture Day  Adaptation and Resilience are of crucial importance to all parties and in particular developing countries. IPCC reports including the latest working group II report highlighted the devastating impacts reduced by many countries across the	14 Nov Gender Day  The role of women in dealing with all aspects of the climate change challenge is central, crucial and indispensable. Women continue to bear a disproportionate burden from the adverse impacts of climate change, and deserve some resource having
14 Nov Water Day  Water is the source of life and livelihoods. Climate impacts on water and the linkages to wider, cross cutting impacts on development and livelihoods are well documented and substantiated by credible scientific reports and analyses including most recently by the IPCC and numerous other institutions. Discussions at the Water Day will cover all issues related to sustainable water	15 Nov Ace & Civil Society Day  Climate action requires engagement with, and contributions from all stakeholders. Needless to say, Civil Society is an indispensable partner in the global effort to combat climate change. With this in mind CoP27 will hold a dedicated day to engage Civil Society and to ensure their views and perspectives are integrated in a meaningful manner. Participants will have a platform for sharing best practices and identifying	15 Nov Energy Day  The Energy Day would deal with all aspects of energy and climate change, including renewable energy and energy transformation, with a specific focus on just transition in the energy sector, and Green hydrogen as a potential energy source for the future. It would also include energy efficiency and ways to manage the envisaged global just transition in energy. Renewable energy, smart grids, energy
16 Nov Biodiversity Day  The day would deal with nature and ecosystem-based solutions. It would also allow the discussion about the impacts of climate change on biodiversity and the means to mobilize the global actions	17 Nov Solutions Day  Possible solutions for the broad array of climate change challenges range from the holistic, cross cutting solutions such as greening of national budgets, or sustainable cities, multilevel action and	 COP27 Presidency Vision (THEMATIC DAYS) 06 18 November 2022

- *Legacy: Africa is determined to show its leadership in climate action through showcasing its contributions to global movement to tackle climate change, its role in facilitating and mobilizing action at scale, its vision for a just and sustainable future to its people and to the wider global population.*
- Thematic days
- Focus on mitigation and adaptation, finance, loss and damage

COP27 key issues

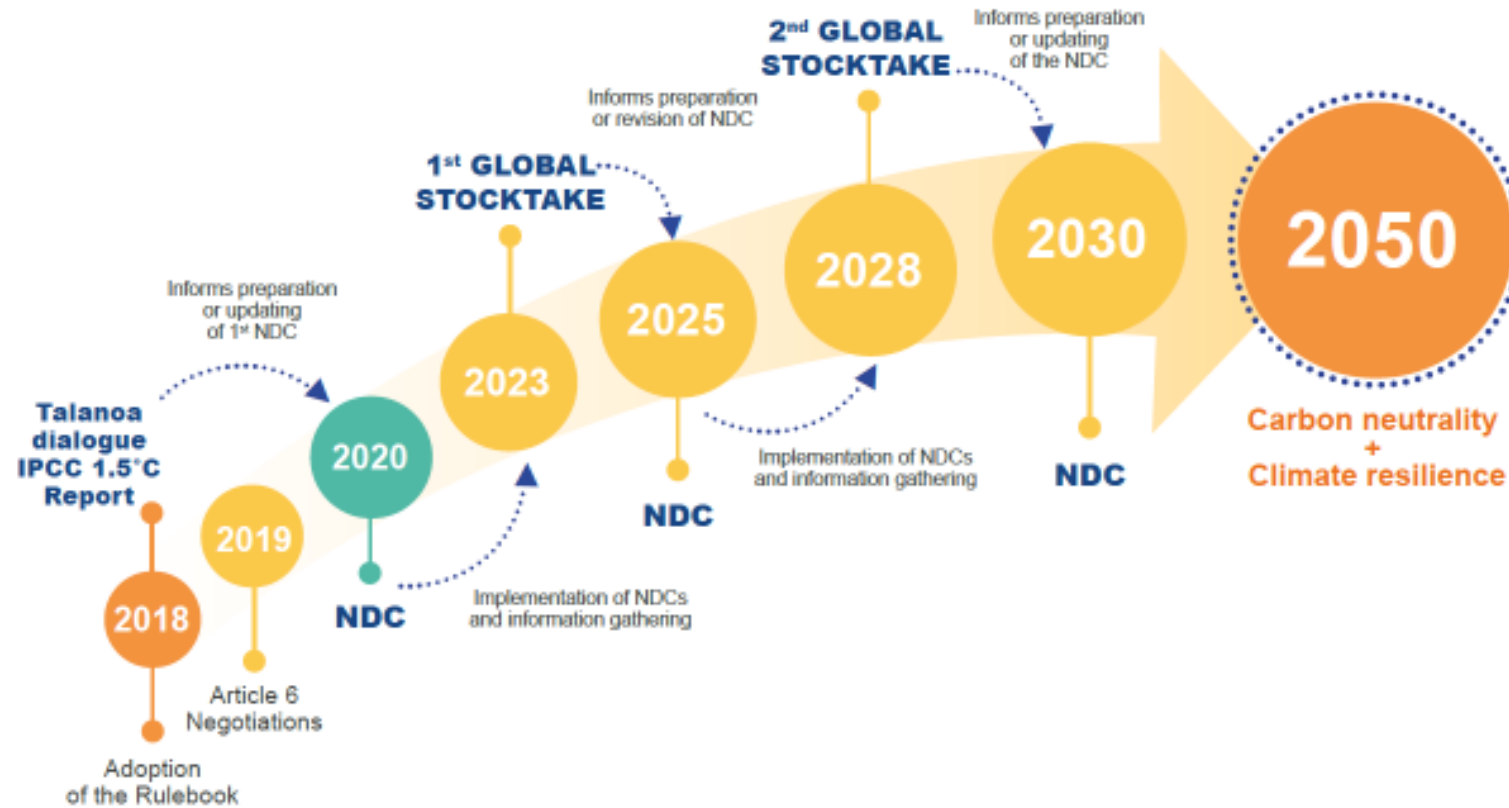
- **Climate finance:** negotiations on new collective quantified goal (NCQG) to replace the existing \$100b/year starting in 2020 announced at COP15
- **Adaptation:** Global Goal on Adaptation (GGA), anchored in Art. 7 of the Paris Agreement
- **Loss & damage:** provisional COP27 agenda item 8F: *“Matters relating to funding arrangements for addressing loss and damage. Background: On 13 June 2022, a proposal was received from Pakistan on behalf of the Group of 77 and China to include this matter as a sub-item under the agenda item “Matters relating to finance.”*
- **Mitigation:** Mitigation Work Programme (MWP)
- **Global Stocktake:** TD1.2, round tables and world cafes, in preparation for GST synthesis report at COP28

Global Stocktake

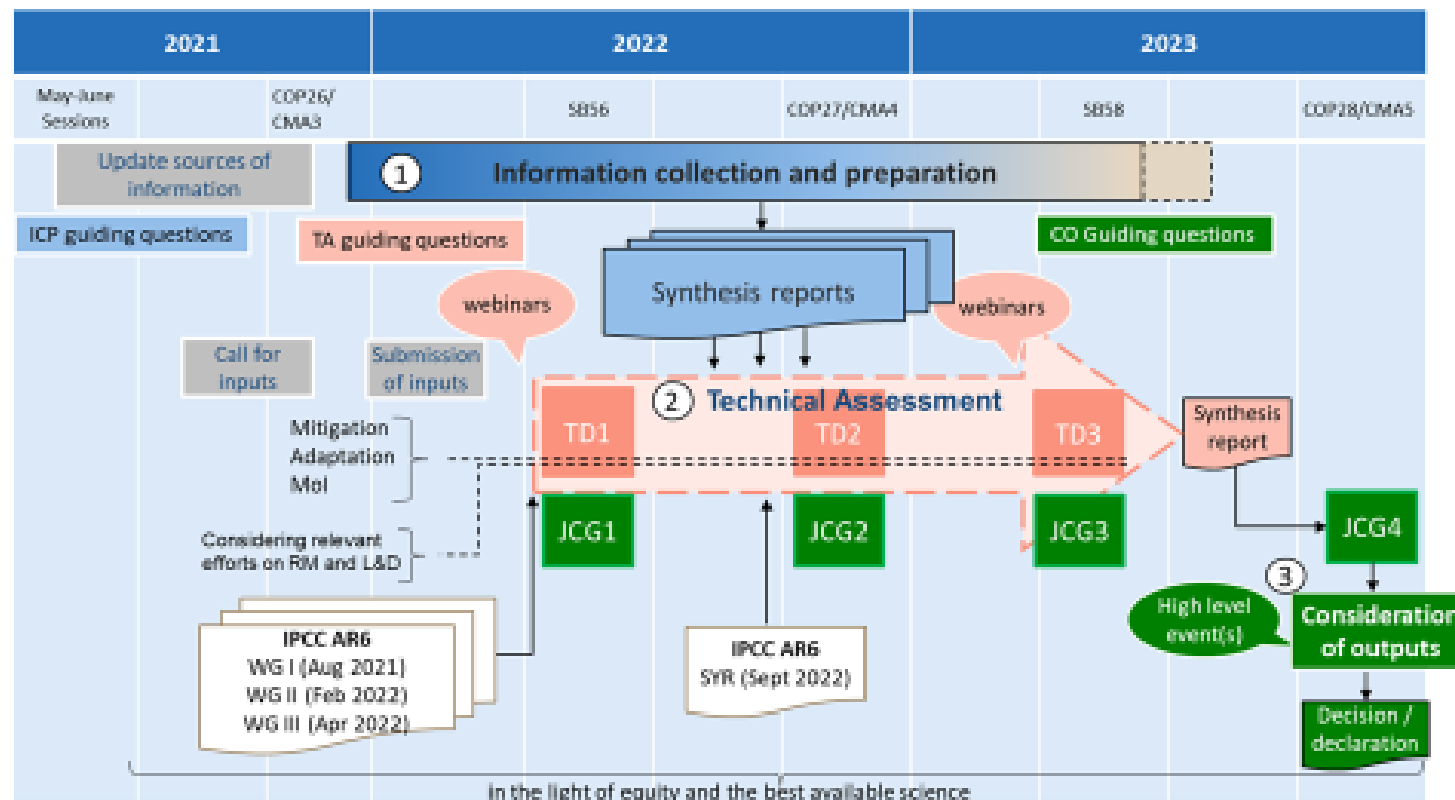
Article 14

1. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall periodically take stock of the implementation of this Agreement to assess the collective progress towards achieving the purpose of this Agreement and its long-term goals (referred to as the "global stocktake"). It shall do so in a comprehensive and facilitative manner, considering mitigation, adaptation and the means of implementation and support, and in the light of equity and the best available science.
2. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall undertake its first global stocktake in 2023 and every five years thereafter unless otherwise decided by the Conference of the Parties serving as the meeting of the Parties to this Agreement.
3. The outcome of the global stocktake shall inform Parties in updating and enhancing, in a nationally determined manner, their actions and support in accordance with the relevant provisions of this Agreement, as well as in enhancing international cooperation for climate action.

GST and NDC Ambition



GST Technical Assessment: Technical Dialogues (TD) & Round Tables (RTs)





WORLD
RESOURCES
INSTITUTE

WHAT TO EXPECT AT COP27

Nisha Krishnan, WRI
November 2, 2022

PHOTO: KIARA WORTH, IISD ENB

OVERVIEW

- Context
- Key issues:
 - Adaptation
 - Loss & Damage
 - Finance
 - Energy
- COP Presidency Initiatives

CONTEXT

- Strong headwinds:
 - Economic & fiscal pressures
 - Food & energy security
 - Accelerating impacts
- No longer just “climate” issues
- Accountability on progress

KEY ISSUES

- Adaptation:
 - Doubling adaptation finance
 - Global Goal on Adaptation
 - Transparency
 - Relationship w/ L&D
- Loss & Damage:
 - Agenda item
 - Funding arrangements
 - Santiago Network on Loss & Damage

KEY ISSUES (CONTINUED)

- Finance
 - Climate Finance Roadmap update
 - Int'l public financial architecture: fit for purpose?
 - New Collective Quantitative Goal (NCQG) process
- Energy
 - Need for finance
 - JET-PS and next steps

COP PRESIDENCY INITIATIVES

- Cities
- Agriculture/Food Security
- Just & Affordable Energy Transition
- Finance
- Waste management
- Women & resilience
- Greening National Investments
- Water & adaptation
- Conflict-climate-peacebuilding
- Nature-based solutions for mitigation & adaptation
- Adaptation on the continent

AMERICA IS ALL IN

U.S. Stakeholders at COP27
Ryan Finnegan, World Wildlife Fund

Nations Unies

Conférence sur les Changements Climatiques 2015

COP21/CMP11

Paris, France



Arnaud Bouissou - MEDDE / SG COP21



U.S. Stakeholders at COP

- **Influence Negotiations**
- **Strengthen Relationships**
 - Track II and III Diplomacy
- **Share Announcements/Expertise/Progress Points**

- **Programming and Events**
- **Bilateral/Multilateral Meetings**
- **Protests, Activations, etc.**

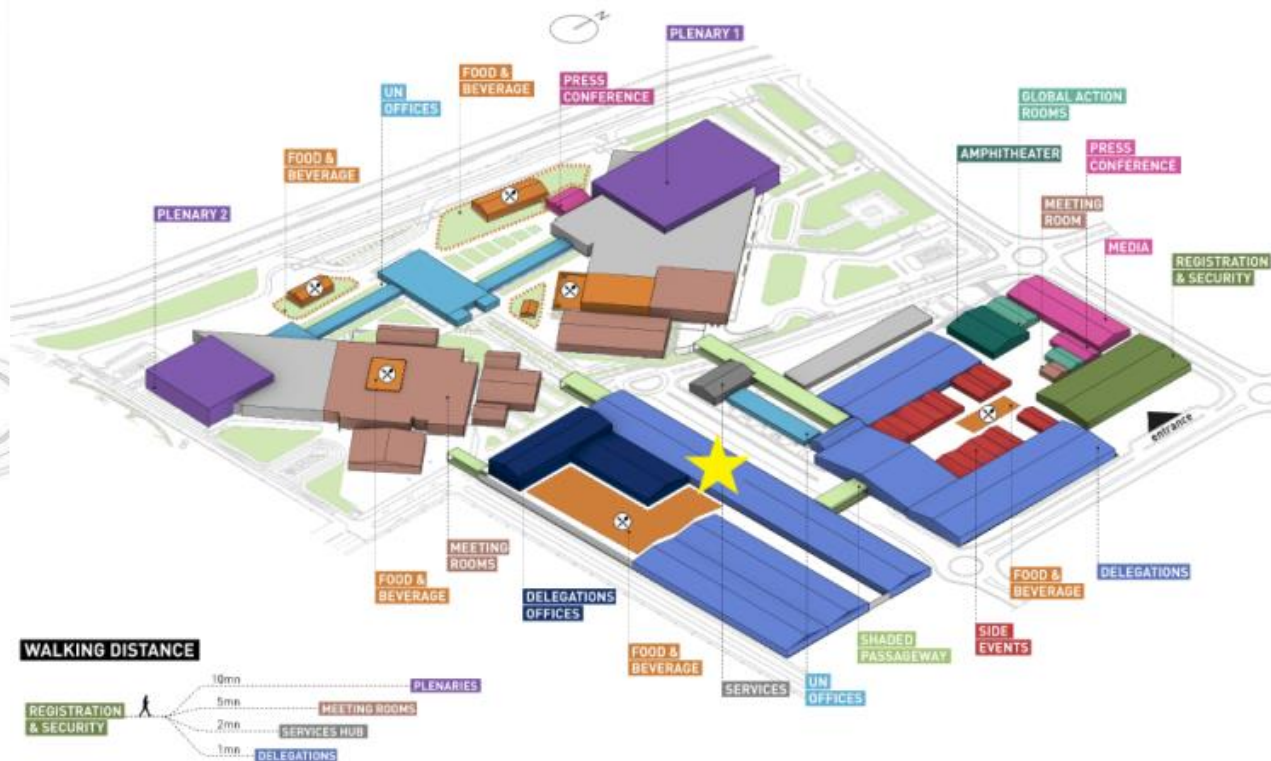


AMERICA IS **ALL IN** *Action Center*

#AllInAtCOP27



COP27
SHARM EL-SHEIKH
EGYPT 2022



U.S. Stakeholders at COP

AMERICA IS
ALL IN

- **3 Governors, Dozen of State Employees**
- **12+ Additional State Electeds**
- **12+ Mayors and City Leaders**
- **National Congress of American Indians, Tribal Nations Leadership**
- **100+ Academic Reps from 35+ U.S. Colleges and Universities**
- **Large and Small Businesses, Investors**
- **Faith Groups, Health Care Organizations, Cultural Institutions, etc.**
- **NGOs, Community Organizations, Youth Groups, etc.**

Select Events

AMERICA IS
ALL IN

- **Nov. 7th - America Is All In Economy-Wide Report Launch**
- **Nov. 11th - Celebrating and Understanding the IRA**
- **Nov. 12th - Town Hall for U.S. Stakeholders with Ali Zaidi**
- **Nov. 12th - IRA and the Built Environment with Senator Cardin**
- **Nov. 14th - U.S. Climate Alliance and U.S. Conference of Mayors**
- **Nov. 15th - International *Alliances for Climate Action* events**
- **Nov. 17th - U.S. Subnationals Event at U.S. Center**

AmericasAllIn.com/COP27

Additional Resources

AMERICA IS
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Official Presidency Programme

<https://cop27.eg/#/presidency#programe>

Official Green Zone Programme

<https://cop27.eg/#/conference#green-zone>

UN Climate Change Conference Side Events & Exhibits

https://seors.unfccc.int/applications/seors/reports/events_list.html

World Climate Summit

<https://www.worldclimatesummit.org/>

COP27 Ocean Pavilion

<https://cop27oceanpavilion.vfairs.com/>

Additional Resources

AMERICA IS
ALL IN

We Mean Business Pavilion

<https://www.wemeanbusinesscoalition.org/cop27-business-pavilion/>

Sustainable Innovation Forum

<https://events.climateaction.org/sustainable-innovation-forum/>

Resilience Hub at COP 27

<https://cop-resilience-hub.org/>

Nature Zone Pavilion Schedule

<https://nature4climate.org/nature-zone-event-schedule/>

UNEP FI at COP

<https://www.unepfi.org/events/unep-fi-at-cop26/>

Commonwealth Pavilion in Blue Zone

<https://thecommonwealth.org/media/event/event-commonwealth-secretariat-cop26>

Additional Resources

AMERICA IS
ALL IN

Brazilian Civil Society Pavilion

Japan Pavilion

<http://copjapan.env.go.jp/cop/cop27/en/exhibition>

Mediterranean Pavilion

<https://ufmsecretariat.org/mediterraneanpavilion/>

Island Pavilion

<https://islandinnovation.co/events/cop27/>

Climate Justice Pavilion

<https://www.weact.org/cop27-climate-justice-pavilion/>

Food Systems Pavilion

<https://foodsystemspavilion.com/>

Impacts of Federal Climate Legislation

Environmental and Energy Study Institute Briefing
2 November 2022



Erin Mayfield, Ph.D.

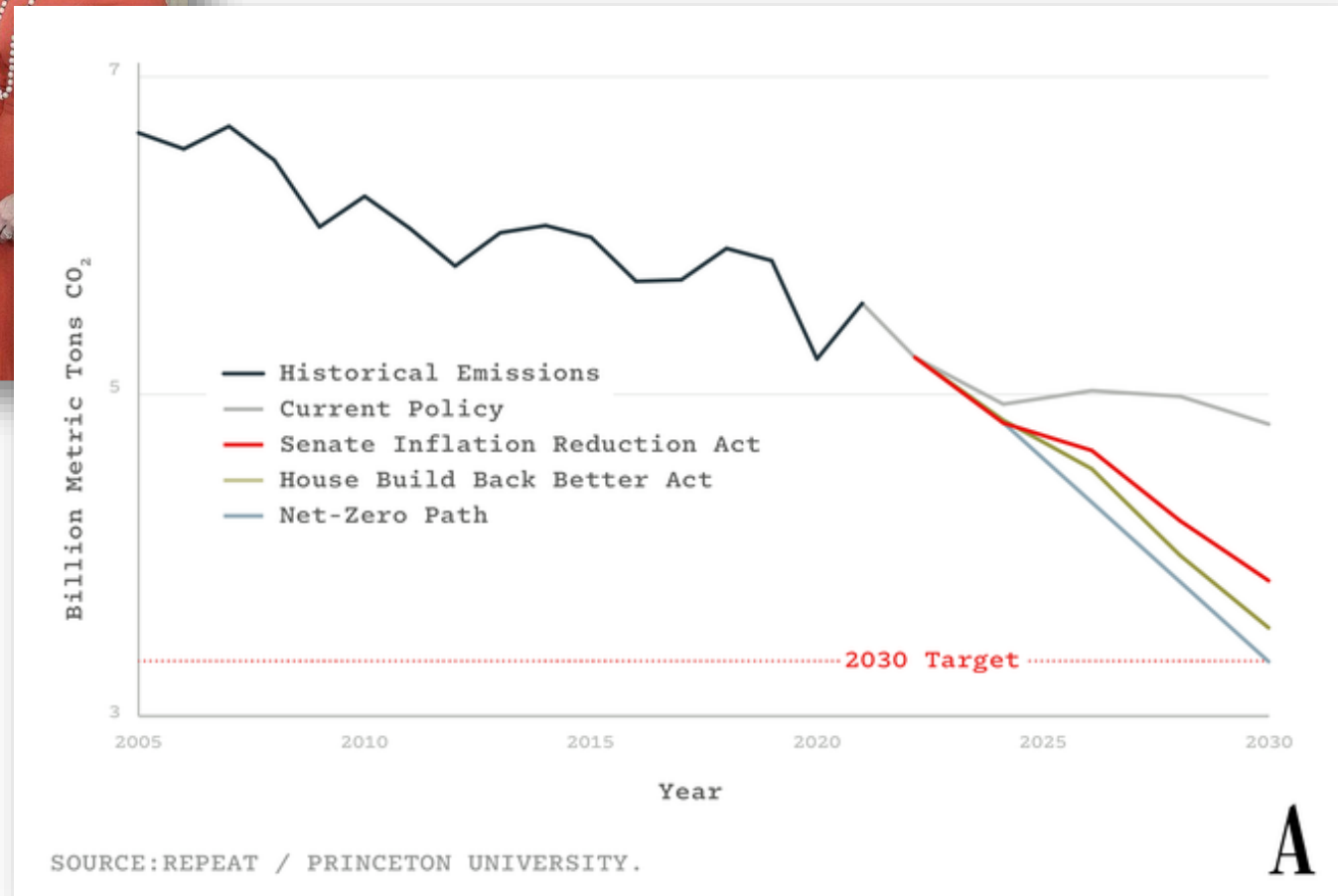
Hodgson Family Assistant Professor of Engineering
Director, Sustainable Transitions Lab and Clinic



DARTMOUTH



Inflation Reduction Act of 2022 has the potential to **reduce emissions by 40%** below 2005 levels



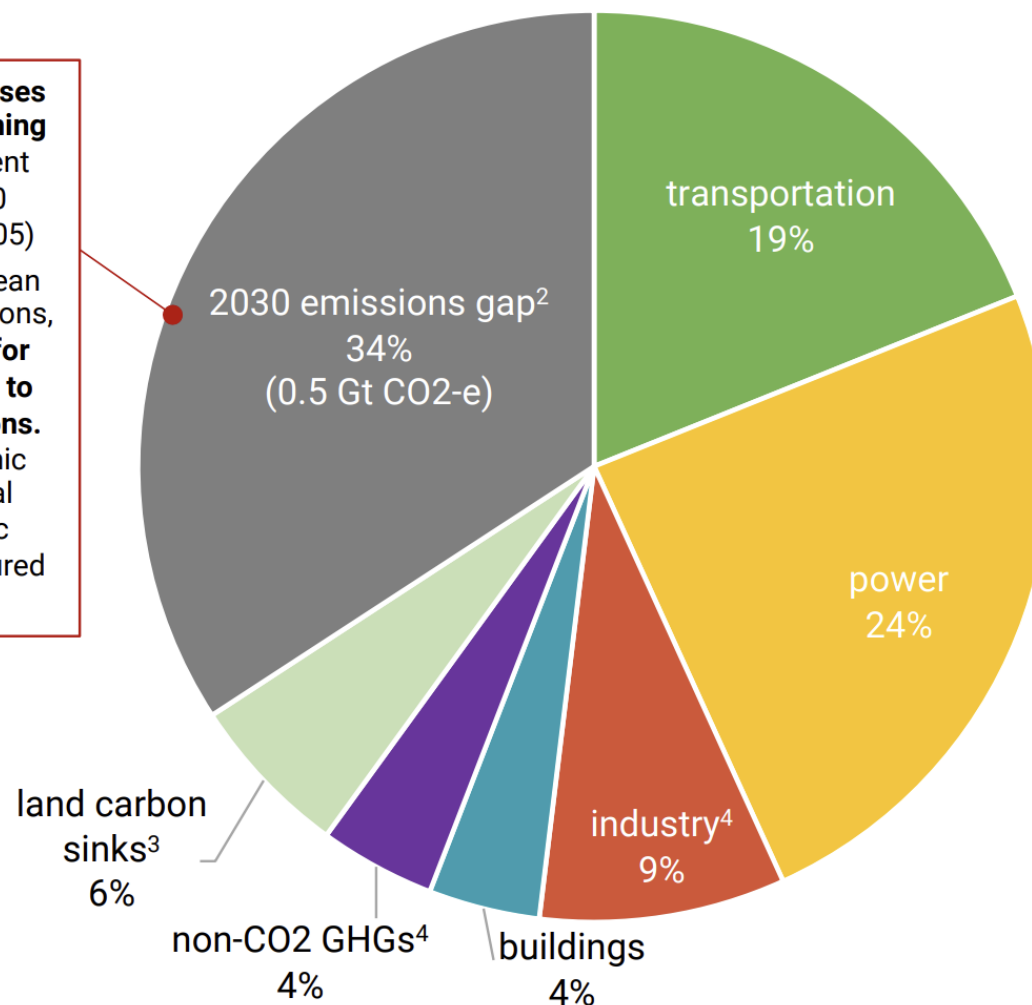
For more info: <https://repeatproject.org/>

Contributions to Additional Net U.S. Greenhouse Gas Emissions Reductions Below Current Policy Needed to Reach 2030 Climate Target

percentage of net emissions reductions relative to Current Policy (including the Bipartisan Infrastructure Law) to reach 50% below 2005 levels (-1.5 Gt CO₂e)

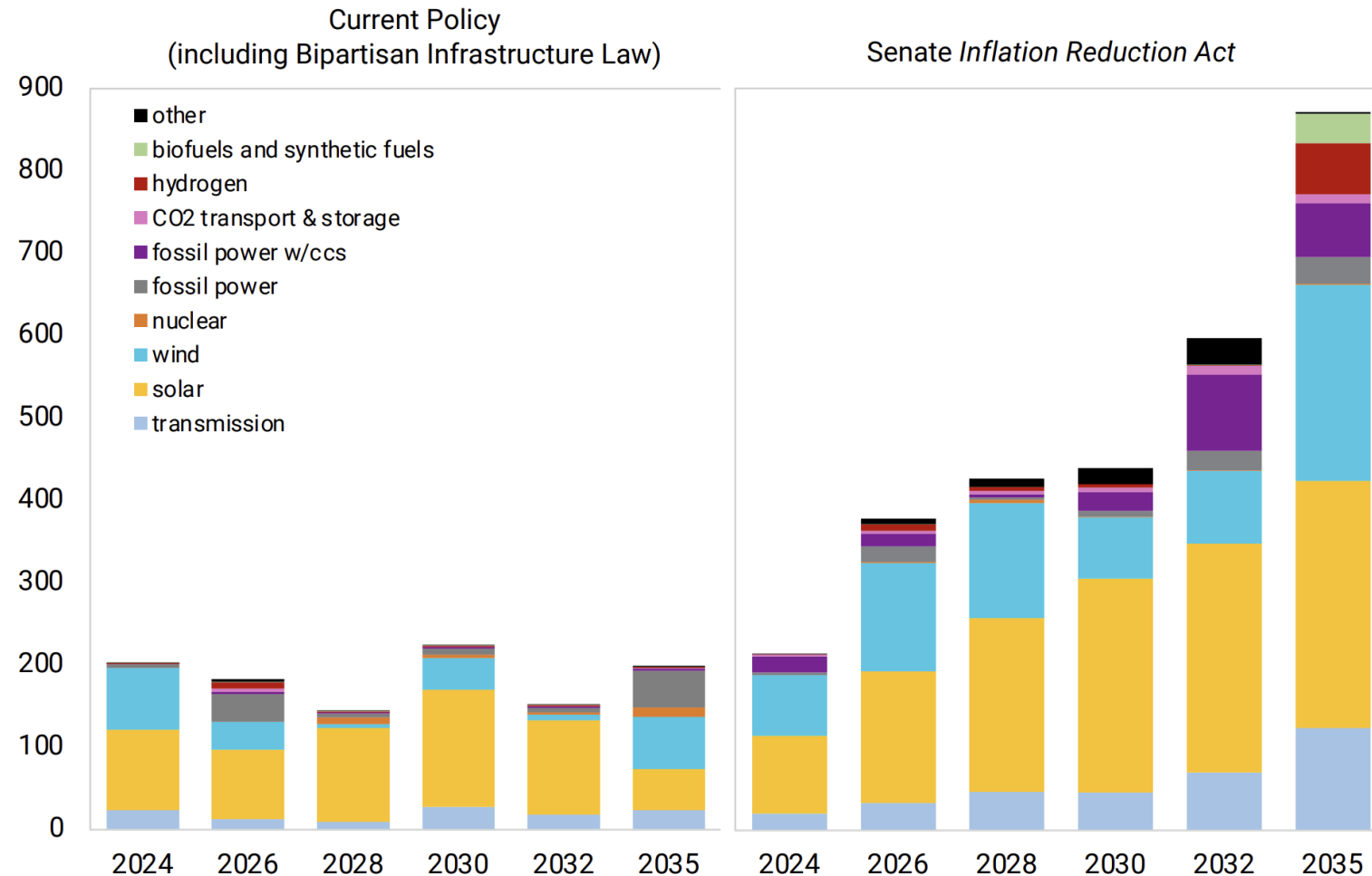
Senate Inflation Reduction Act

The *Inflation Reduction Act* closes about two-thirds of the remaining emissions gap between current policy and the nation's 2030 climate target (50% below 2005). By driving down the cost of clean energy and other climate solutions, the Act also makes it easier for states or cities or companies to increase their climate ambitions. It also reinforces the economic benefits of any future federal regulations. (These dynamic effects of the bill are not captured in this modeling.)



Annual Capital Investment in Energy Supply Related Infrastructure

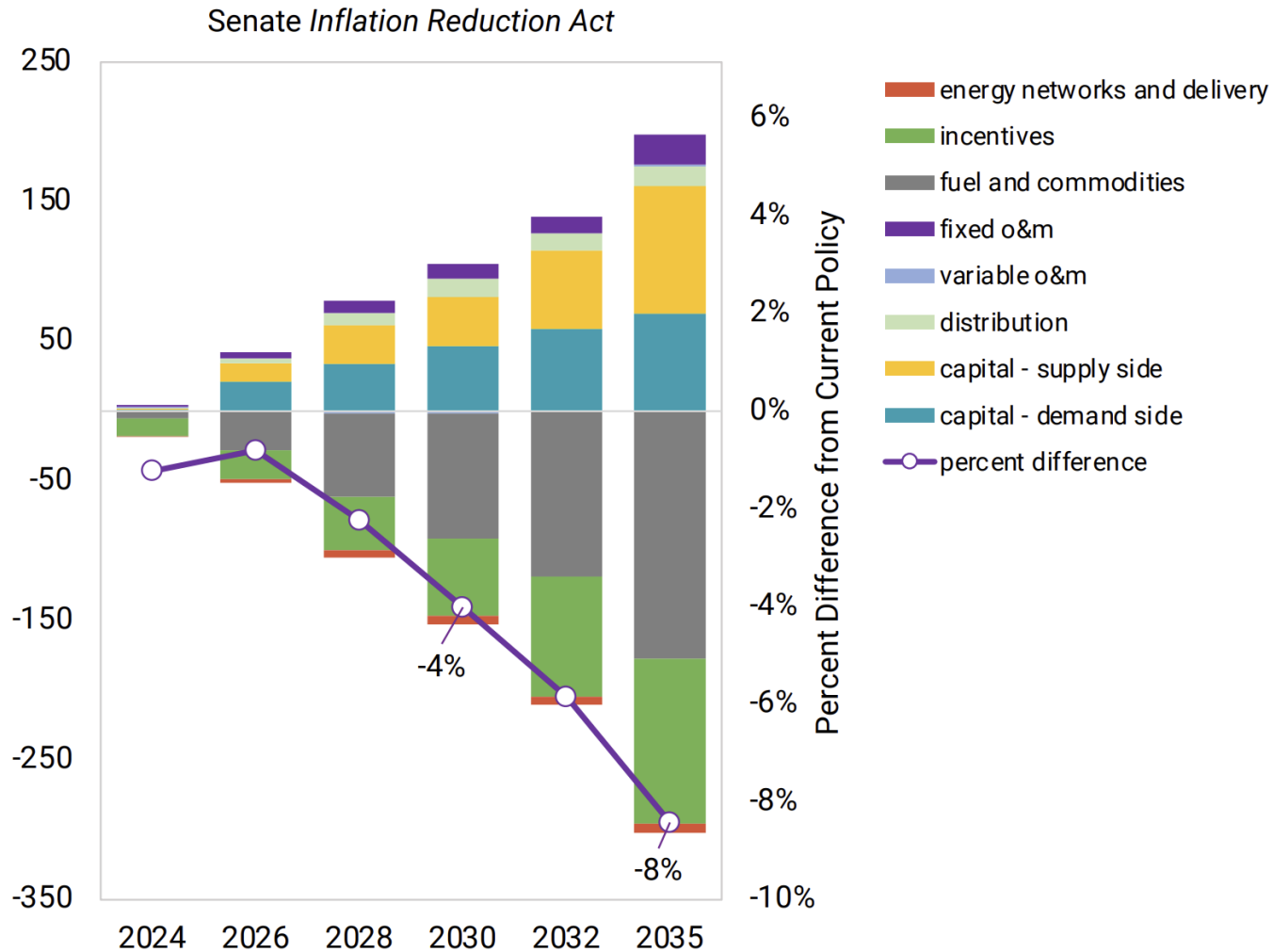
billion 2022 USD per year



The Inflation Reduction Act could drive over **\$4.1 trillion in cumulative capital investment** in new American energy supply infrastructure over the next decade (2023-2032).

Change in Annual U.S. Energy Expenditures vs Current Policy

billion 2022 USD

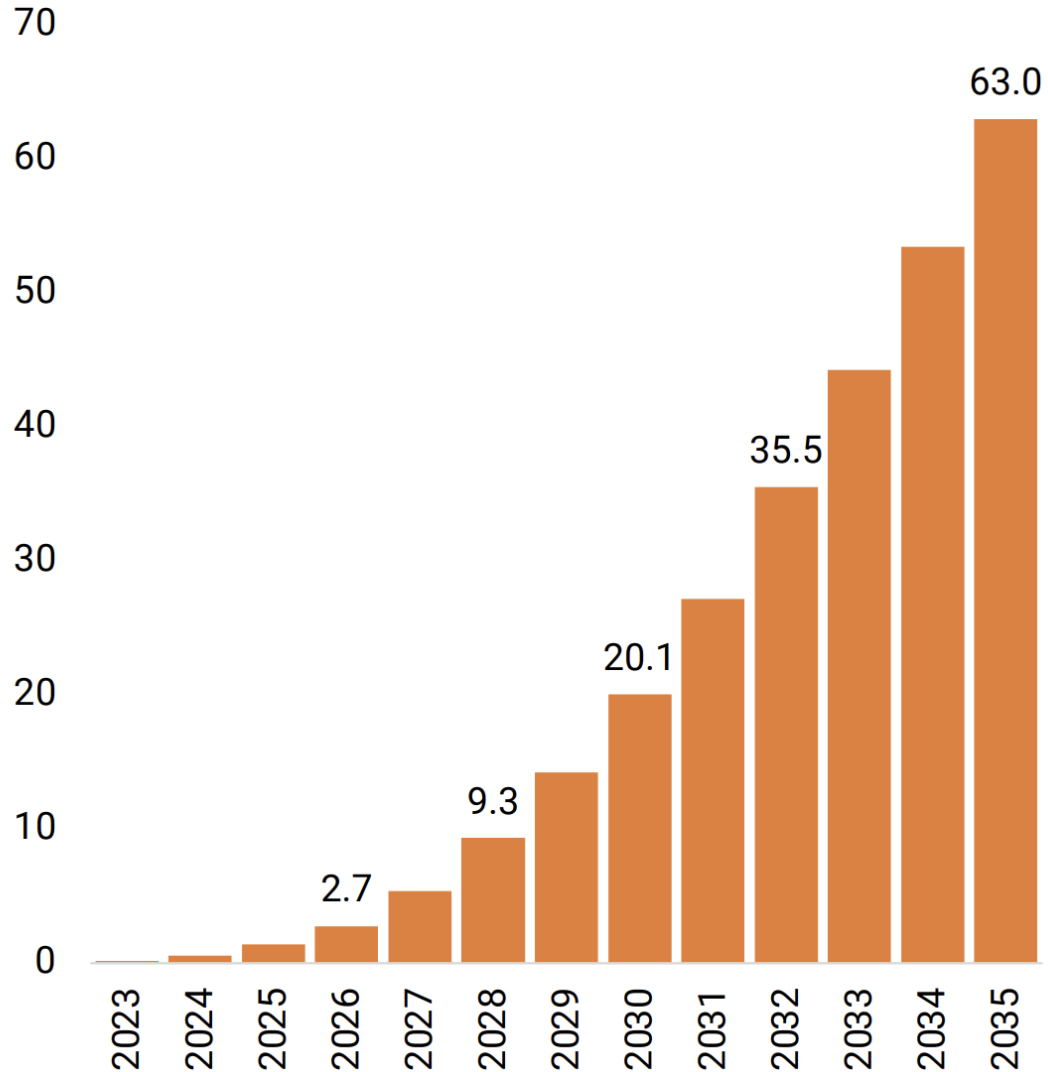


Enacting the Inflation Reduction Act would **lower annual U.S. energy expenditures by at least 4% in 2030, a savings of nearly \$50 billion dollars per year for households, businesses and industry.** That translates into hundreds of dollars in annual energy cost savings for U.S. households.

Tax credits, rebates, and federal investments in the Act will shift costs from energy bills to the progressive federal tax base, lower the cost of electric and zero emissions vehicles, heat pumps, and efficiency upgrades for individuals and businesses, and finance investments in energy productivity improvements and carbon capture equipment by industry.

Cumulative Avoided Premature Deaths vs Current Policy

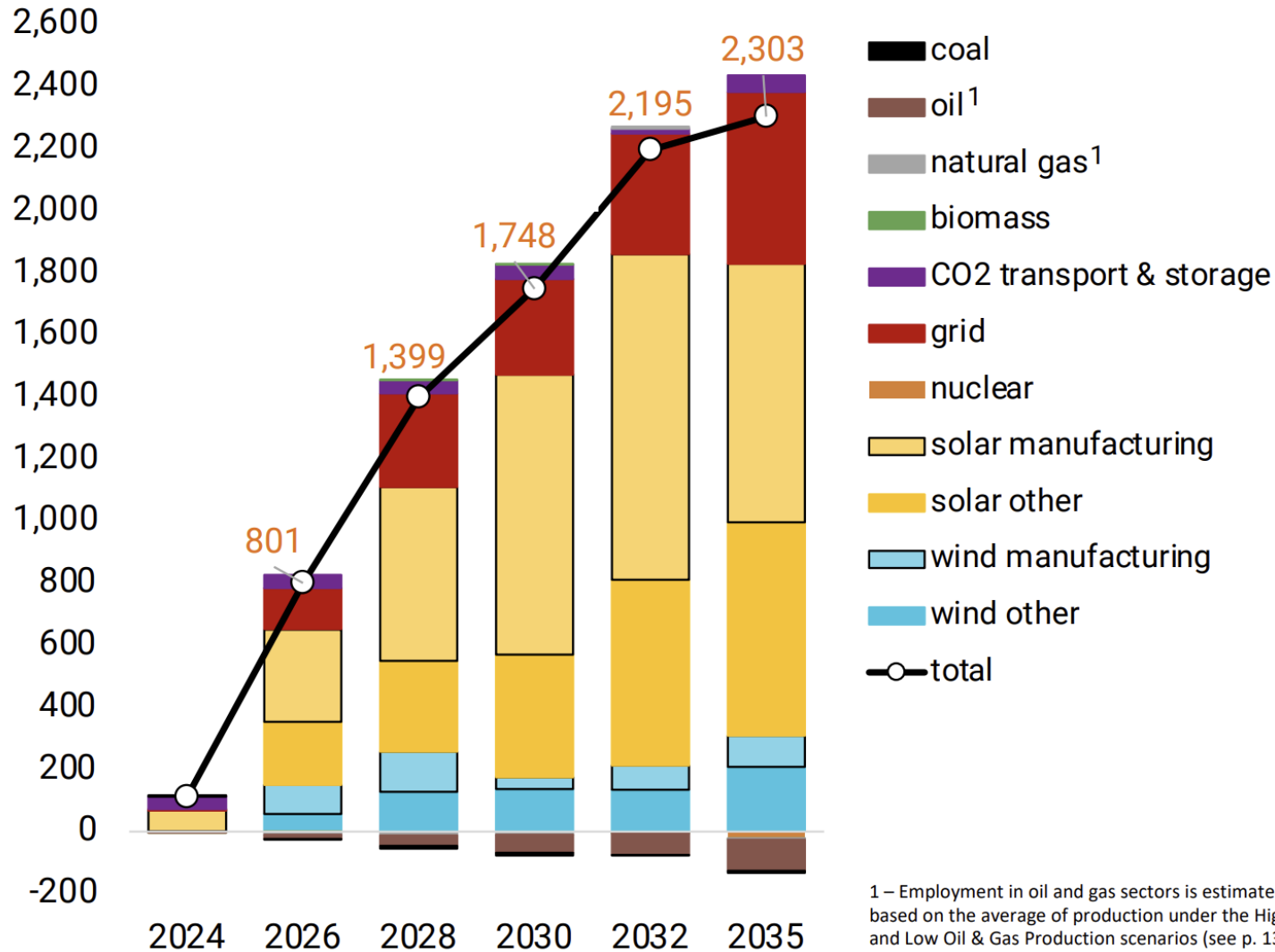
Thousand avoided mortalities



Enacting the Inflation Reduction Act could avoid over **35,000 premature deaths (\$315 billion in avoided damages)** over the next decade.

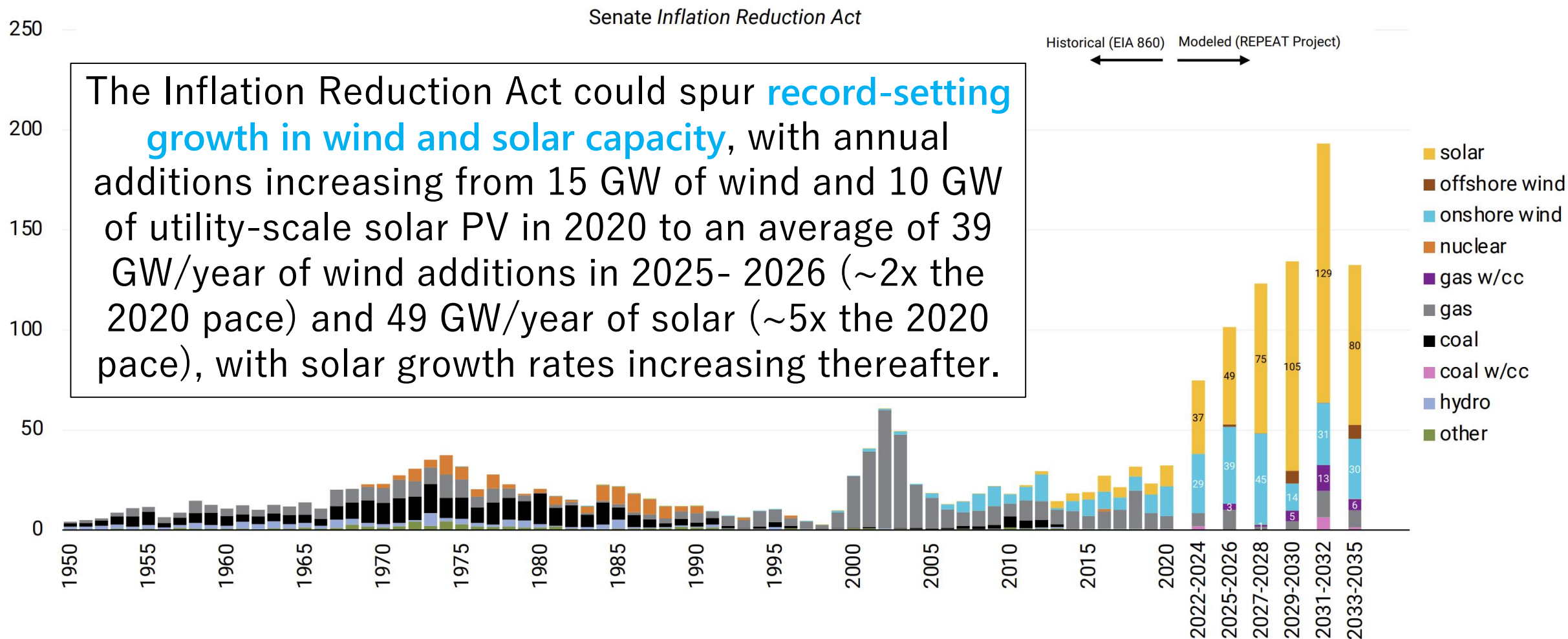
Annual Supply-Side Employment

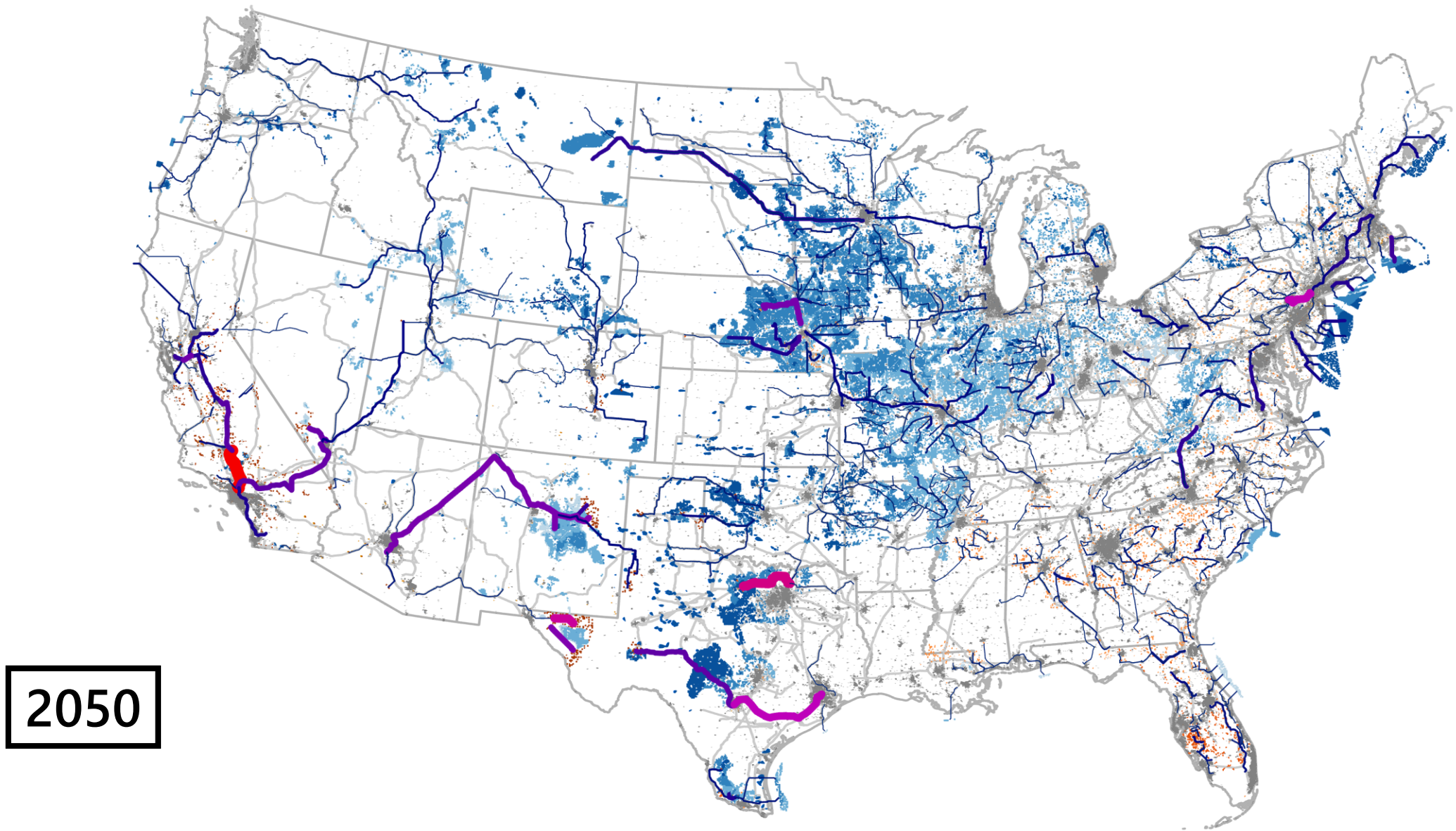
Thousand jobs



Enacting the Inflation Reduction Act could create over **1.7 million more energy supply-related jobs** by 2030.

Historical Annual Capacity Additions vs. Modeled Annual Average Capacity Additions gigawatts/year





2050

Thank you.



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DARTMOUTH

Upcoming Briefings in this Series



What Congress Needs to Know About COP27⁴

Dec 02, 3:00 PM EST

Climate Summit Recap: Key Outcomes and What Comes Next

Signup for our COP newsletter here: eesi.org/signup

Briefing RSVP here: eesi.org/cop27



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