


# Editor's Note

This presentation was created in Sept 2024

Contact Adrian Gallo for any questions or further updates to this content

Climate & energy world moves fast, this material will be out of date soon enough

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**Looking back &  
planning ahead:  
The road to a  
clean energy  
future**

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**IDAHO  
CONSERVATION  
LEAGUE**



# CLIMATE SUMMIT

WHAT IF IT'S  
A BIG HOAX AND  
WE CREATE A BETTER  
WORLD FOR NOTHING?

- ENERGY INDEPENDENCE
- PRESERVE RAINFORESTS
- SUSTAINABILITY
- GREEN JOBS
- LIVABLE CITIES
- RENEWABLES
- CLEAN WATER, AIR
- HEALTHY CHILDREN
- ETC. ETC.



1973-ish

# IDAHO CONSERVATION LEAGUE



Jude Hawkes



Patsy Batchelder



Janet O'Crowley

1970





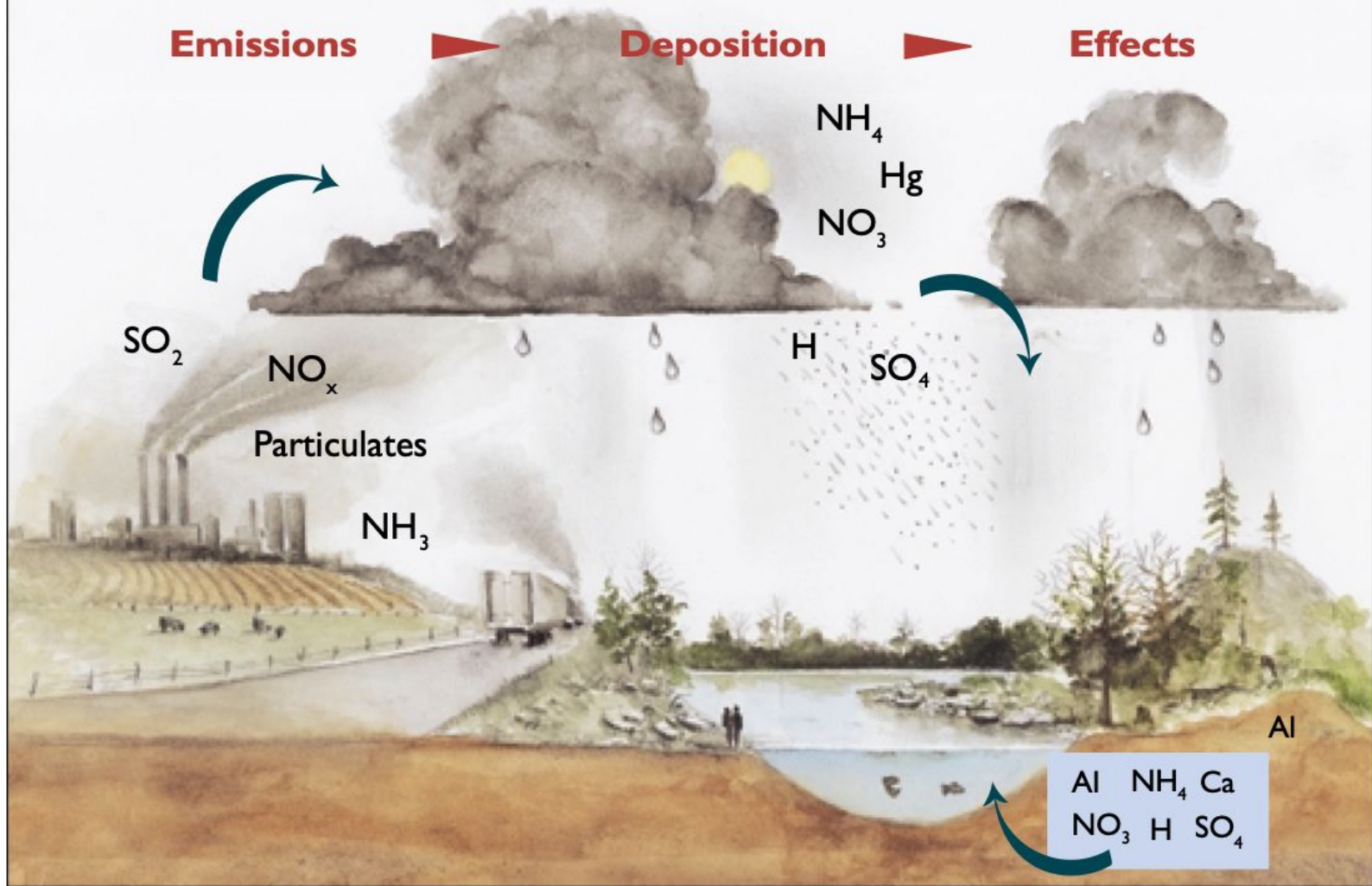
*Harper's Weekly*

WALLACE, IDAHO, IN 1892

**Emissions**

**Deposition**

**Effects**



## The New York Times

VOL. CXXXVI... No. 47,265

Copyright © 1987 The New York Times

NEW YORK, THURSDAY, SEPTEMBER 17, 1987

50 cents beyond 75 miles from New York City,  
except on Long Island.

30 CENTS

## Legislator Charged in 564 Counts In New York Payroll Abuse Case

### Senate Democrats' Chief Denies Stealing Funds to Finance Campaigns

By ELIZABETH KOLBERT

In an indictment unsealed yesterday in Manhattan, the minority leader of the New York State Senate, Manfred Ohrenstein, is charged with conspiring with two other Democratic politicians to steal hundreds of thousands of dollars from the state to finance election campaigns.

Faced with 564 counts of conspiracy, grand larceny and related charges, the Senator, who appeared weary and shaken, pleaded not guilty in State Supreme Court in Manhattan.

In an interview later in the day, Mr. Ohrenstein, his voice breaking with emotion, said: "What I feel is that ultimately I will be exonerated. I really feel that way."

#### Recent Shift in Power

Charged in the conspiracy with Mr. Ohrenstein, a Manhattan Democrat, were State Senator Howard E. Babush, a Brooklyn Democrat, and Frank Sanzillo, a top staff aide to Mr. Ohrenstein. They, too, pleaded not guilty.

The indictment, in the view of many politicians, illustrates a relatively recent shift in political power from traditional county organizations to legislative leaders in Albany. [Page B6.]

Last spring, when news reports first said his office was under investigation, Mr. Ohrenstein belittled allegations of legislative payroll abuse by saying that campaign work by employees was common in Albany.



The New York Times/Chester Higgins Jr.  
State Senator Manfred Ohrenstein, trench coat over handcuffs, leaving after booking yesterday.

But in recent months he has refused to comment on the subject. Law-enforcement officials say they expect Mr. Ohrenstein to argue in his defense that he was unaware of many of the instances specified in the indictment.

Many other legislators have denied that such practices were condoned.

Continued on Page B6, Column 1

## DOZENS OF NATIONS REACH AGREEMENT TO PROTECT OZONE

### 24 Sign and Others Back Pact to Reduce Chemicals That Damage Earth's Shield

By PHILIP SHABECOFF

Special to The New York Times

MONTREAL, Sept. 16 — Hailing a milestone in international cooperation to safeguard the environment, delegates from rich and poor nations approved an agreement today intended to protect the earth's fragile ozone shield.

Under the agreement, participating nations will first freeze and later reduce consumption of widely used chemicals that, according to emerging scientific consensus, destroy ozone molecules in the upper atmosphere.

The ozone shields the earth by blocking some ultraviolet radiation from the sun. Any increase in that radiation resulting from a thinning of the ozone layer will cause skin cancer and other harm to humans and damage crops, forests and other natural systems, scientists say.

#### 'Historically Significant'

"This is perhaps the most historically significant international environmental agreement," said Deputy Assistant Secretary of State Richard E. Benedick, the chief United States negotiator here.

"For the first time the international community has initiated controls on production of an economically valuable commodity before there was tangible evidence of damage."



Associated Press

#### Senator Arlen Specter

"You have written that the Court doesn't have a legitimacy in using the First Amendment to interfere with what a state has done."

#### Judge Robert H. Bork

"I have never said that the Court [could not] interfere. . . . The state may say we're regulating pornography, but it may be regulating things that the . . . Court does not think are pornography."



The New York Times/Jose R. Lopez

#### Senator Dennis DeConcini

"You leave this Senator unsatisfied as to how we . . . can conclude that you're going to protect the citizens of this country in interpreting the Constitution as it relates to sex."

"In the gender cases that I have decided as a Court of Appeals judge, I have decided more of them in favor of the female claim than I have the other way."

Associated Press



## BORK BACKS AWAY FROM HIS STANCES ON RIGHTS ISSUES

### SAYS HE IS NO EXTREMIST

### Nominee's Disavowals Bring Skepticism From Some on Senate Judiciary Panel

By STUART TAYLOR Jr.

Special to The New York Times

WASHINGTON, Sept. 16 — Judge Robert H. Bork backed away today from positions he has taken on key aspects of free speech and women's rights as he insisted he is not the extremist portrayed by opponents of his confirmation to the Supreme Court.

On the second day of his confirmation hearings, the nominee asked members of the Senate Judiciary Committee to judge him not by what he called his "speculative" writings as a law professor, but by his behavior as a practicing lawyer and Solicitor General and in his current job as a Federal appellate judge.

In those roles, he said, "I have not been extreme in any way." [Excerpts, pages B10 and B11.]

#### 3 Senators Express Skepticism

The comment came in response to questions from Senator Howell Heflin, an Alabama Democrat who is one of the crucial uncommitted Senators on the committee. Judge Bork also said there are "a few other things I have grown out of," a reference to legal views he has abandoned.

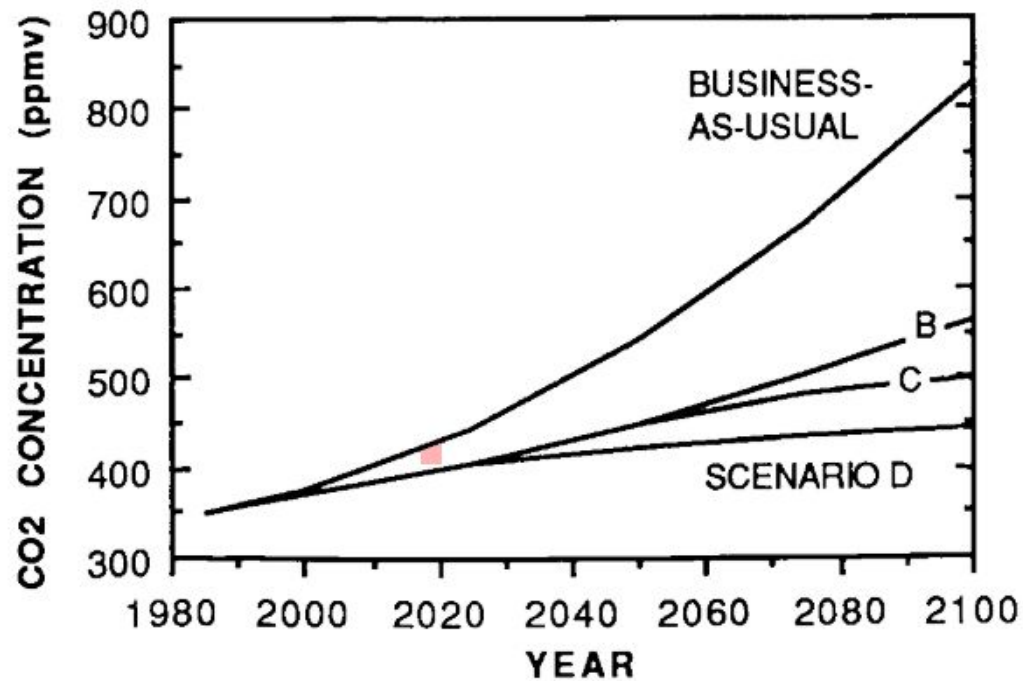


# CLIMATE CHANGE

*The IPCC Scientific Assessment*

WORLD METEOROLOGICAL ORGANIZATION UNITED NATIONS ENVIRONMENT PROGRAMME

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



Me ~1995



# Jim Bridger Coal Plant, WY



Me 2018



2020



1



2



3



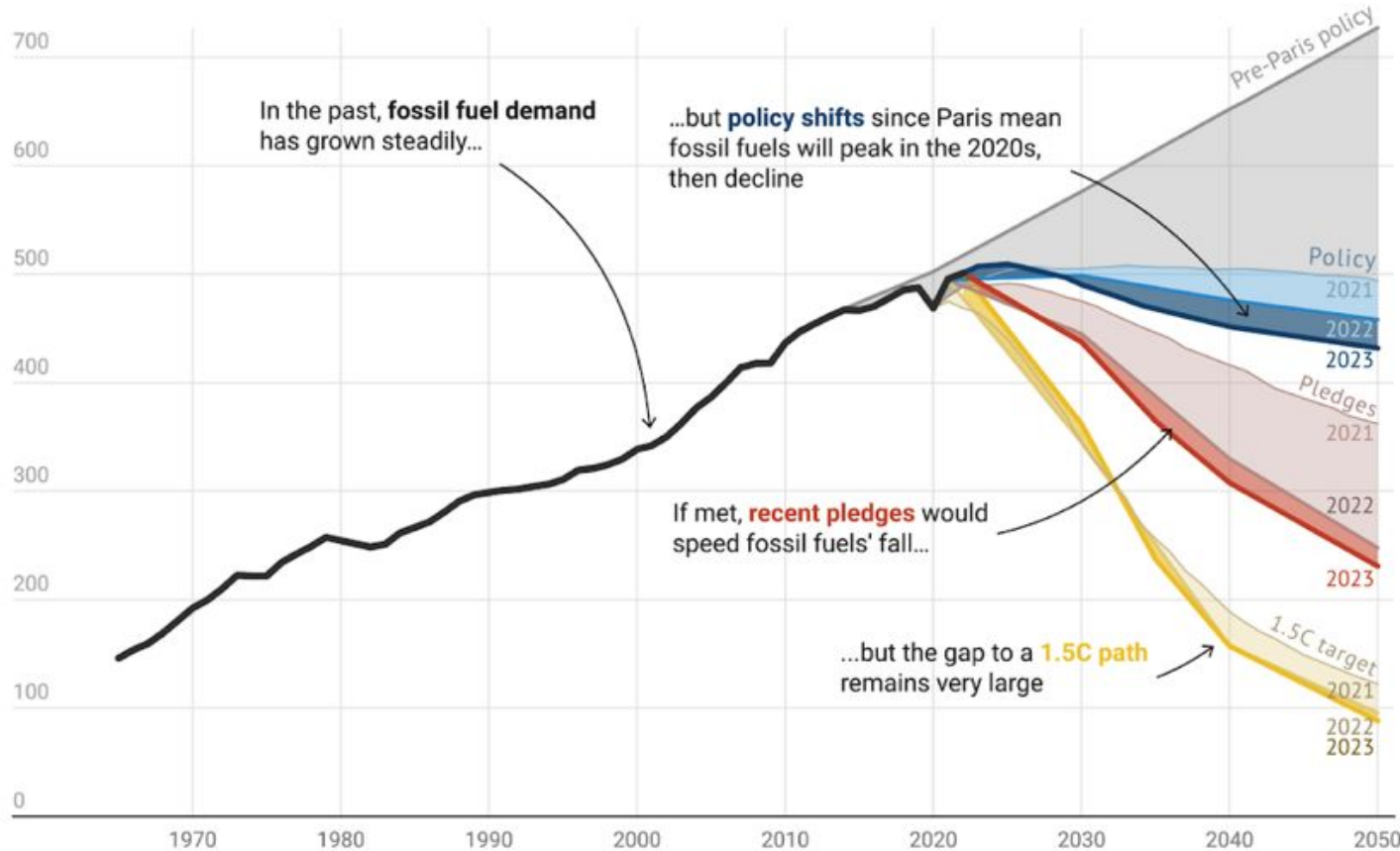
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# Climate policy is bringing world closer than ever before to a peak in fossil fuel use

Global use of fossil fuels, exajoules



Source: IEA World Energy Outlooks

CarbonBrief  
CLEAR ON CLIMATE

## Worldwide

Carbon dioxide emissions peak in 2025 (2yrs earlier than expected)

Oil demand set to peak in 2030's

China's emissions peaked in 2023 & stayed flat in 2024

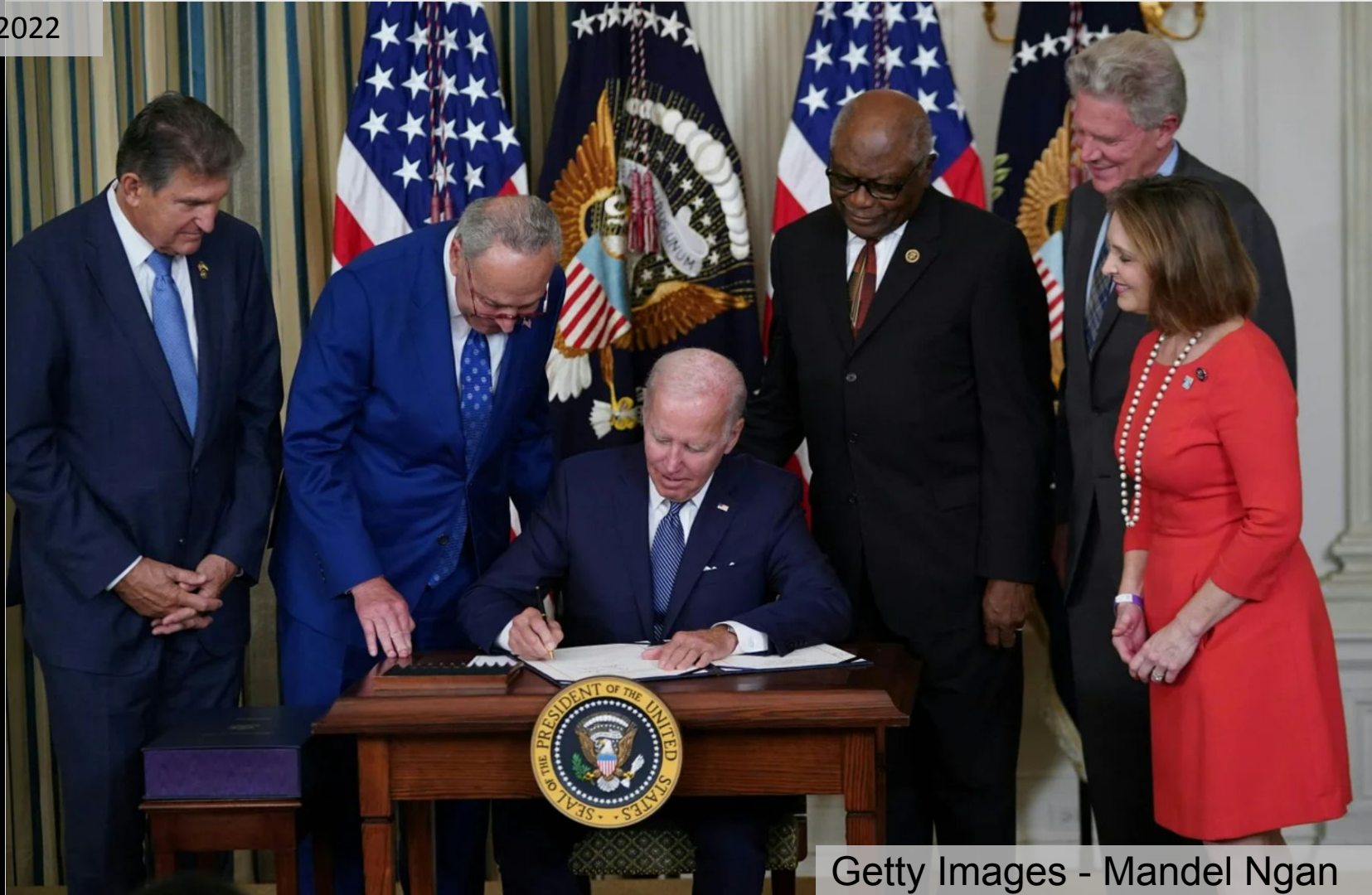
Solar projections continue to be revised because of faster adoption than prediction

## United States

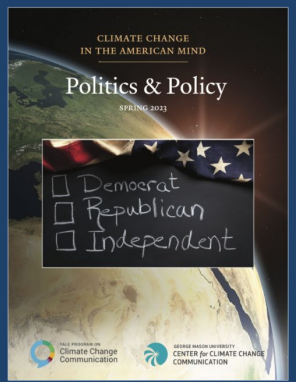
New methane rules are stronger than ever & the social cost of carbon is finally being implemented



Aug 2022



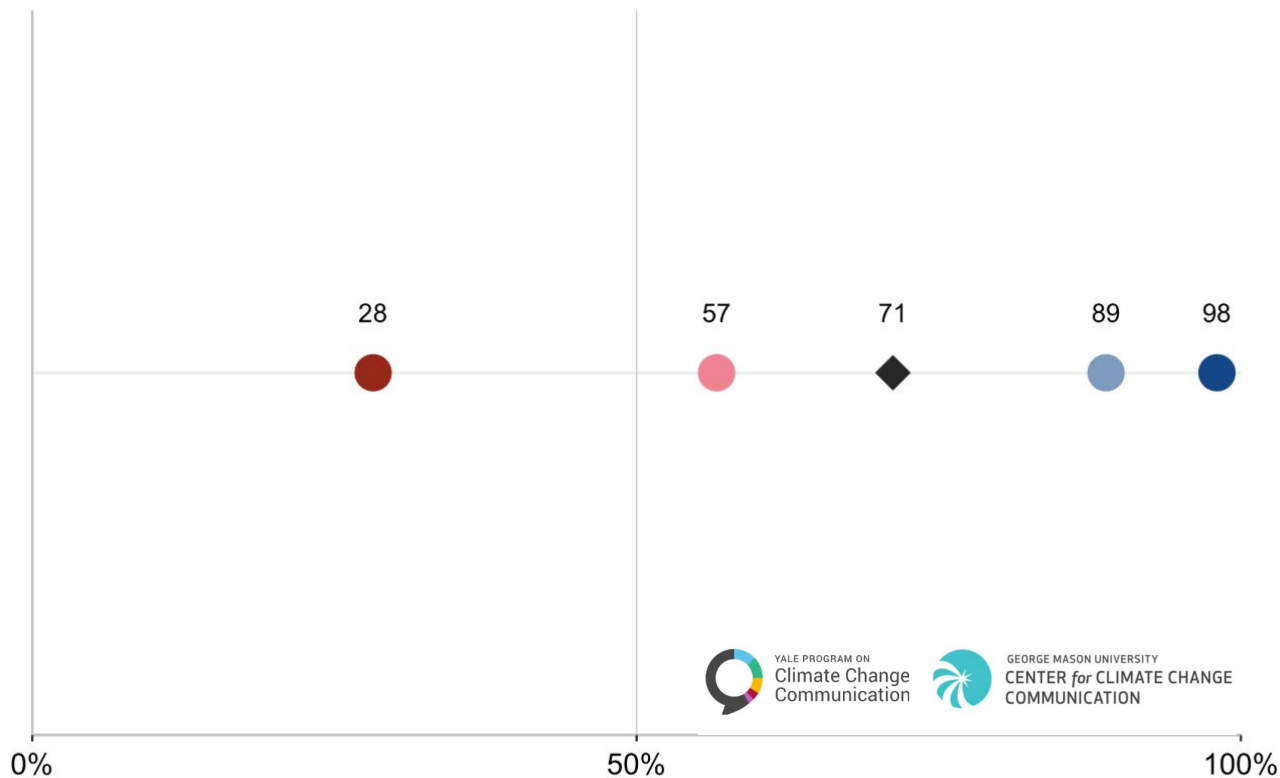
Getty Images - Mandel Ngan

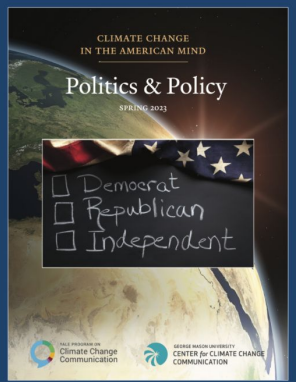


# A majority of registered voters support the Inflation Reduction Act of 2022

- % "strongly" or "somewhat" support -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters



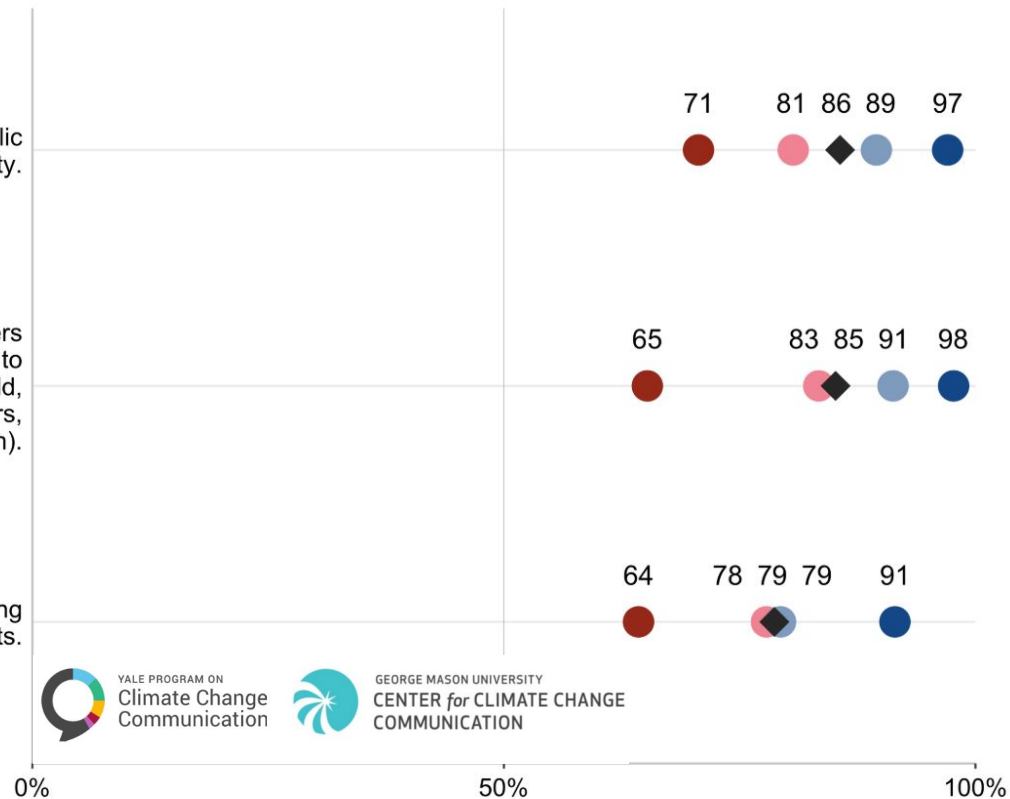


# Large majorities of registered voters support climate-friendly policies for their local community

- % "strongly" or "somewhat" support -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

- Increasing the availability of public transportation in your county.
- Providing funding to help homeowners make energy-efficiency improvements to their homes (such as replacing old, inefficient furnaces, water heaters, air conditioners, and insulation).
- Constructing bike paths and installing bike lanes on city streets.



# The future of transportation is happening now

**Idaho Capital Sun** 

GOVERNMENT + POLITICS COURTS + POLICING HEALTH ENVIRONMENT GROWTH + AFFORDABILITY LIVING COMMENTARY ELECTION 2024

EDUCATION ENVIRONMENT GOVERNMENT + POLITICS

## Idaho schools can seek rebates to buy zero-emission electric school buses


McCall-Donnelly, Genesee schools districts receive funding for clean school buses

BY CLARK CORBIN · OCTOBER 9, 2023 4:30 AM

[X](#) [in](#) [f](#) [e](#) [v](#) [p](#)



**■** A bus arrives at Marley Nelson Elementary in Boise on May 8, 2021. Grant funding through the Bipartisan Infrastructure Law is available through an application process for school districts to purchase electric school buses for their fleets. The 2023 clean school bus rebate application period is open through Jan. 31, according to the United States Environmental Protection Agency's website. (Otto Kinsinger for Idaho Capital Sun Sun)


**KTVB 7** News Weather Sports VERIFY **KTVB 7** 

← ADVERTISE WITH US THE 208 WILDFIRES 7 INVESTIGATES BOISE STATE FOOTBALL

LOCAL NEWS

## Boise welcomes first all-electric recycling truck to fleet

The truck can serve up to 120 containers per day and collect seven tons of material before it needs to dump it off local recycling centers.



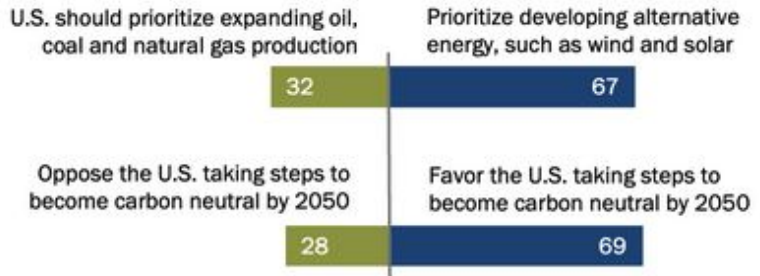
Author: Shirah Matsuzawa  
Published: 6:16 PM MDT August 18, 2021  
Updated: 6:17 PM MDT August 18, 2021

[f](#)

# National and Local Beliefs

## Two-thirds of Americans prioritize developing alternative energy sources, like wind and solar

% of U.S. adults who say ...



Note: Respondents who did not give an answer are not shown.  
 Source: Surveys conducted May 30-June 4, 2023 and Jan. 24-30, 2022.

PEW RESEARCH CENTER

## IDAHO VOTERS SUPPORT CLEAN ENERGY

64%

Agree we can both increase the production of **clean energy** while preserving natural areas, **wildlife habitat** and the character of our communities.

2/3 OF IDAHO VOTERS SUPPORT A LOCAL LANDOWNER LEASING THEIR LAND TO BUILD **SOLAR PANELS OR WIND TURBINES.**

Idaho voters support clean energy development on **PUBLIC LANDS** with proper approvals

Idaho voters support solutions that advance **responsible development** of clean energy:



80%

support creating agreements between clean energy companies & communities to maximize local benefits.



69%

support creating statewide standards and identifying appropriate areas for clean energy development.



76%

support helping counties develop clean energy guidance in their land use plans.



66%

support creating tax incentives to direct clean energy development to appropriate locations.

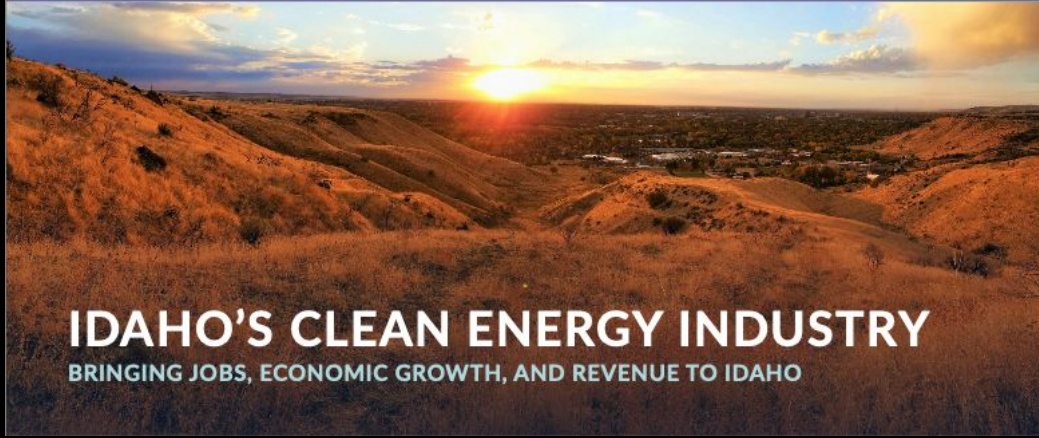
64% AGREE CLEAN ENERGY IS **GOOD** ECONOMICS.

It's affordable compared to other options and brings jobs, royalties to local landowners and other income to our communities.



RENEWABLE  
NORTHWEST

ADVOCATING FOR SOCIALLY AND ENVIRONMENTALLY  
RESPONSIBLE DEVELOPMENT SINCE 1994.



## IDAHO'S CLEAN ENERGY INDUSTRY

BRINGING JOBS, ECONOMIC GROWTH, AND REVENUE TO IDAHO

Nationally: solar/wind jobs grew by ~5%, more than double the growth rate economy-wide. Idaho was a leader among all 50 states for overall clean energy job growth.

Idaho: In 2023, solar/wind industries employed over 2,100 people



“Over the last five years, wind, solar, and geothermal projects have contributed \$35 million to local governments.”

● Idaho counties receiving a share of renewable energy payments

# Energy & Climate Jobs

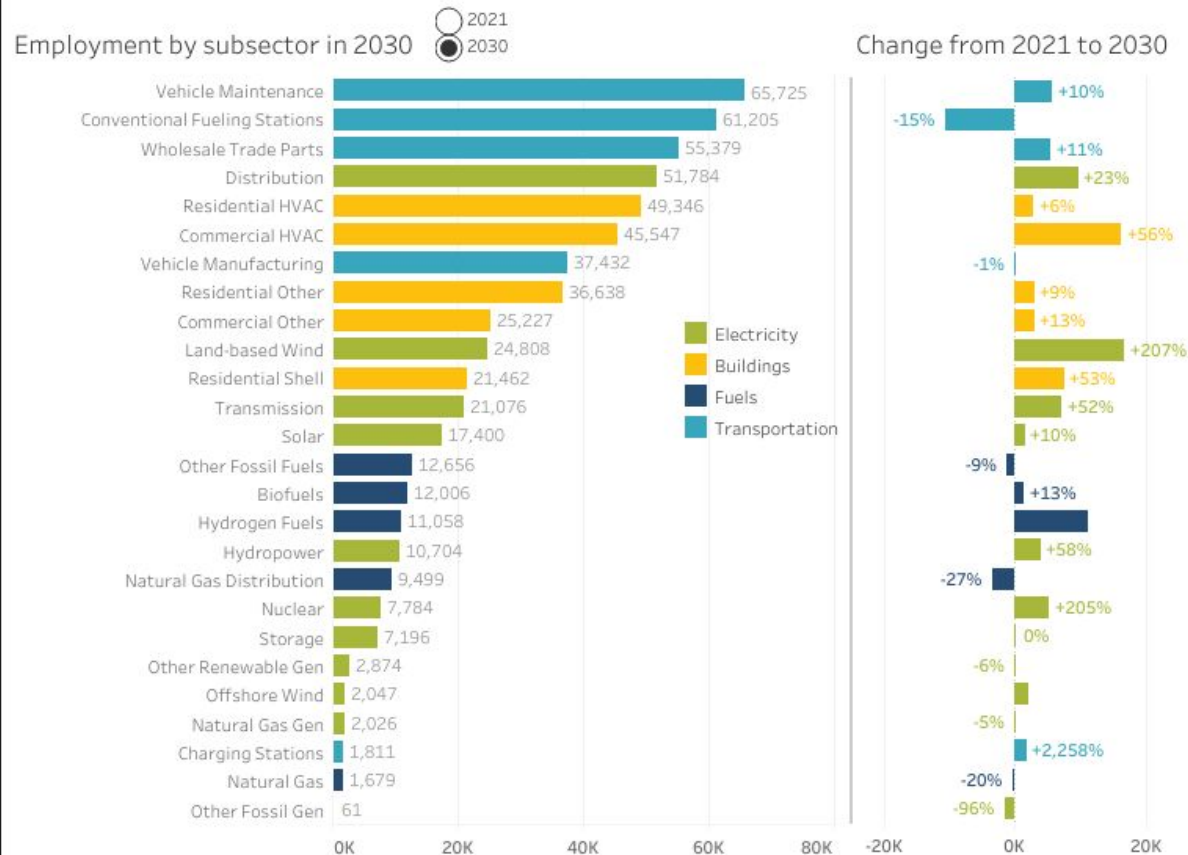
## Job Losses

- -3,400 methane gas
- -10,000 gas stations

## Job Gains

- +10,000 Energy distribution
- +16,000 Wind
- +11,000 Hydrogen
- +19,000 HVAC

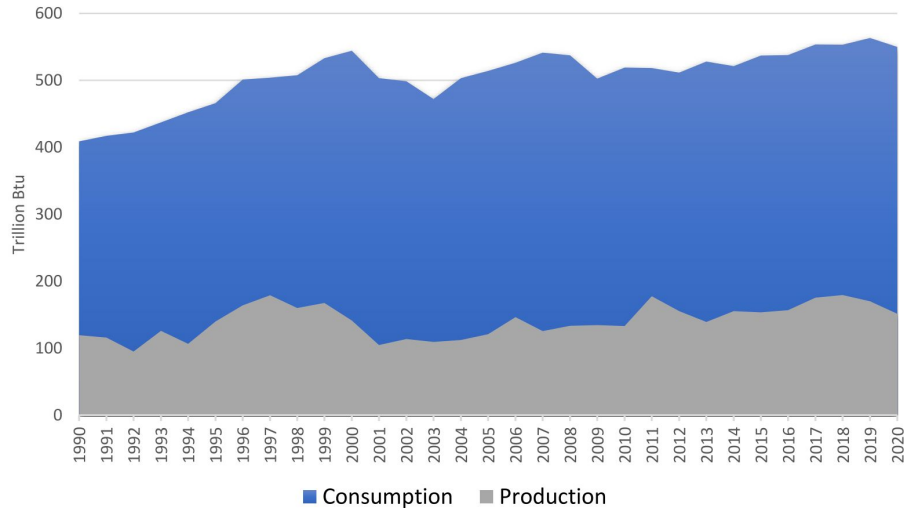
Figure 1. Northwest Energy Employment by Subsector in 2021 and 2030



Source: BW Research Partnership. *Net-Zero Northwest Workforce Analysis Technical Report*, November 2023.

# Idaho Energy

Figure 11: Idaho Energy Production and Consumption<sup>48</sup>



Idaho only produces ~25% of the total **energy** it consumes.

**Energy** = gas + diesel + electricity generation



# Idaho Energy Consumption

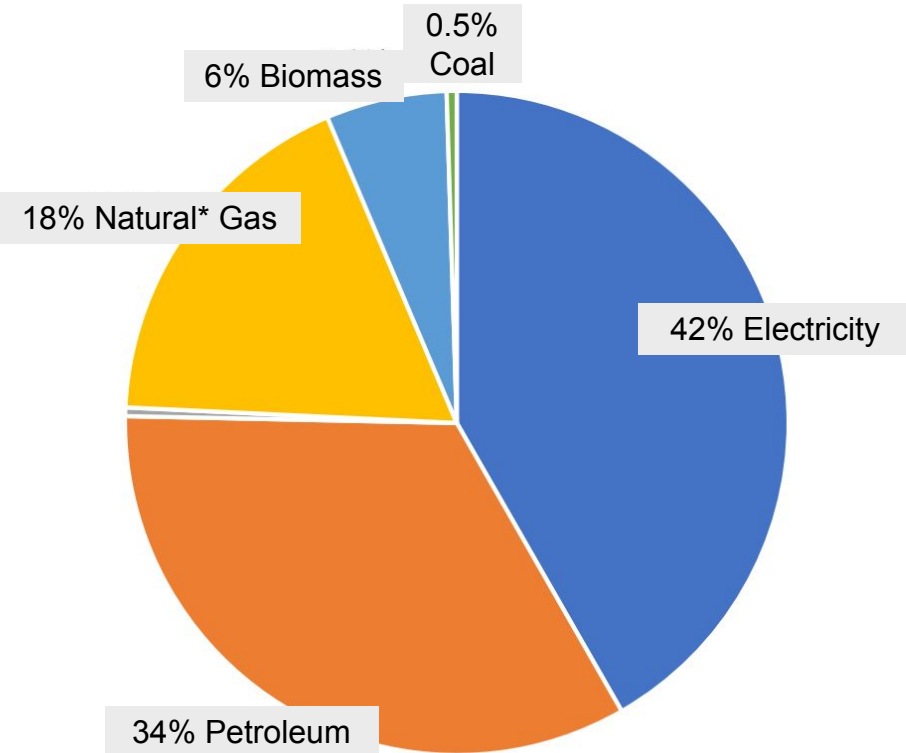
% energy used in 2020

~42% electricity  
Less than half from hydropower

~34% petroleum based  
(all imported gasoline & diesel)

~18% natural gas  
(mostly imported)


***Petroleum + natural\* gas to shift to electricity consumption in a decarbonized world***



# Clean energy = Cheap energy

## Levelized Cost of Energy (\$/MWh)

- \$235 Biomass
- \$215 Peaking gas plant
- \$140 Small modular nuclear reactor\*
- \$110 Batteries (8-hr)
- \$90 Baseload gas plant
- **\$53 Wind from Idaho**
- **\$35 Wind from Wyoming**
- **\$31 Utility Scale Solar**



**BUILDING  
OUR  
FUTURE**

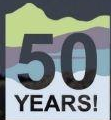
September 2023

**IRP**  
INTEGRATED RESOURCE PLAN


**IDAHO POWER.**

# Our Climate & Energy Work

- Closing down coal plants
- Making electric vehicles a reality
- Maintaining affordable electricity costs
- Preventing new fossil fuel infrastructure
- Proactive renewable energy siting to protect sensitive lands



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LEAGUE



**Looking back &  
planning ahead:  
The road to a  
clean energy  
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**Adrian Gallo, Ph.D.**

**Climate Program Manager**

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CONSERVATION  
LEAGUE**

# Bonus Slides