
CLEARPATH | CLEAN ENERGY.
THE CONSERVATIVE WAY.

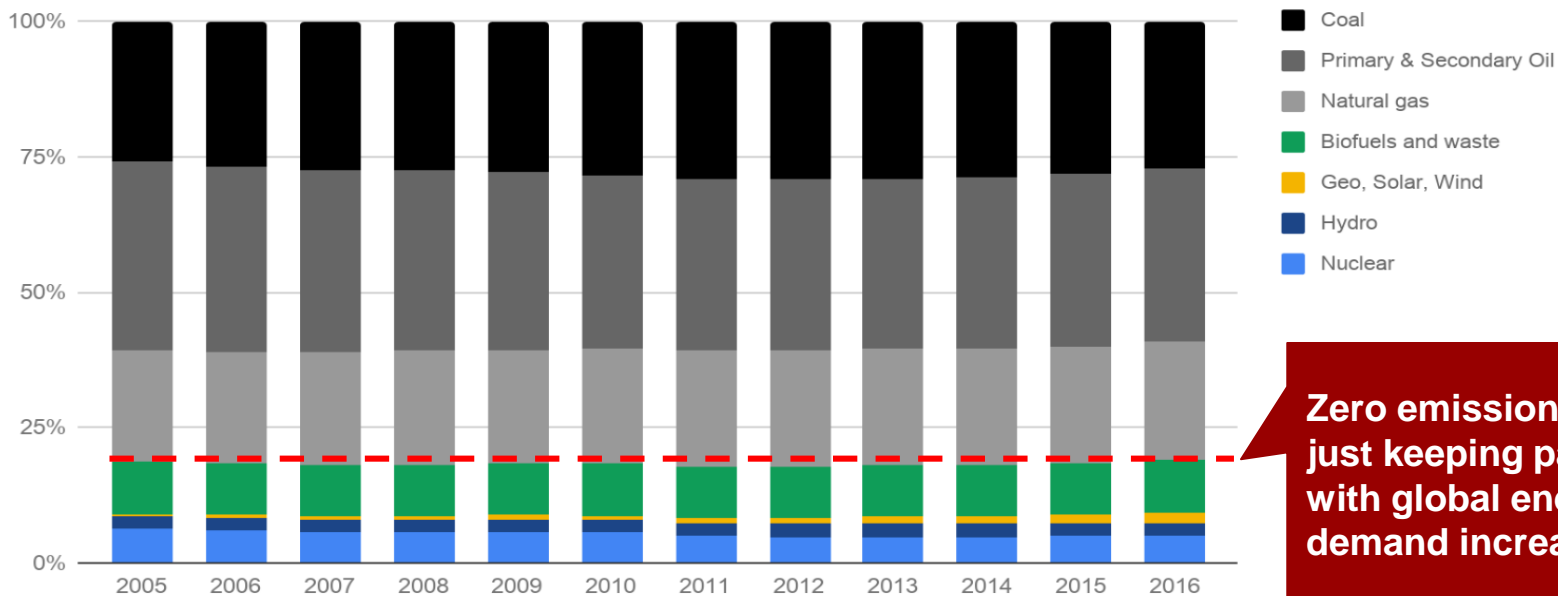
Overview

History 	Family of entrepreneurial, young, strategic nonprofits established by businessman Jay Faison in 2014
Vision 	America leads in affordably powering the world with reliable clean energy
Mission 	Advance conservative policies that accelerate clean energy innovation
Outcomes	Deep global decarbonization by 2050 through an innovation and deployment agenda -- driving global uptake of clean technology

Humanity is not yet transitioning to a zero emission energy system

Share of total primary energy supply by fuel type

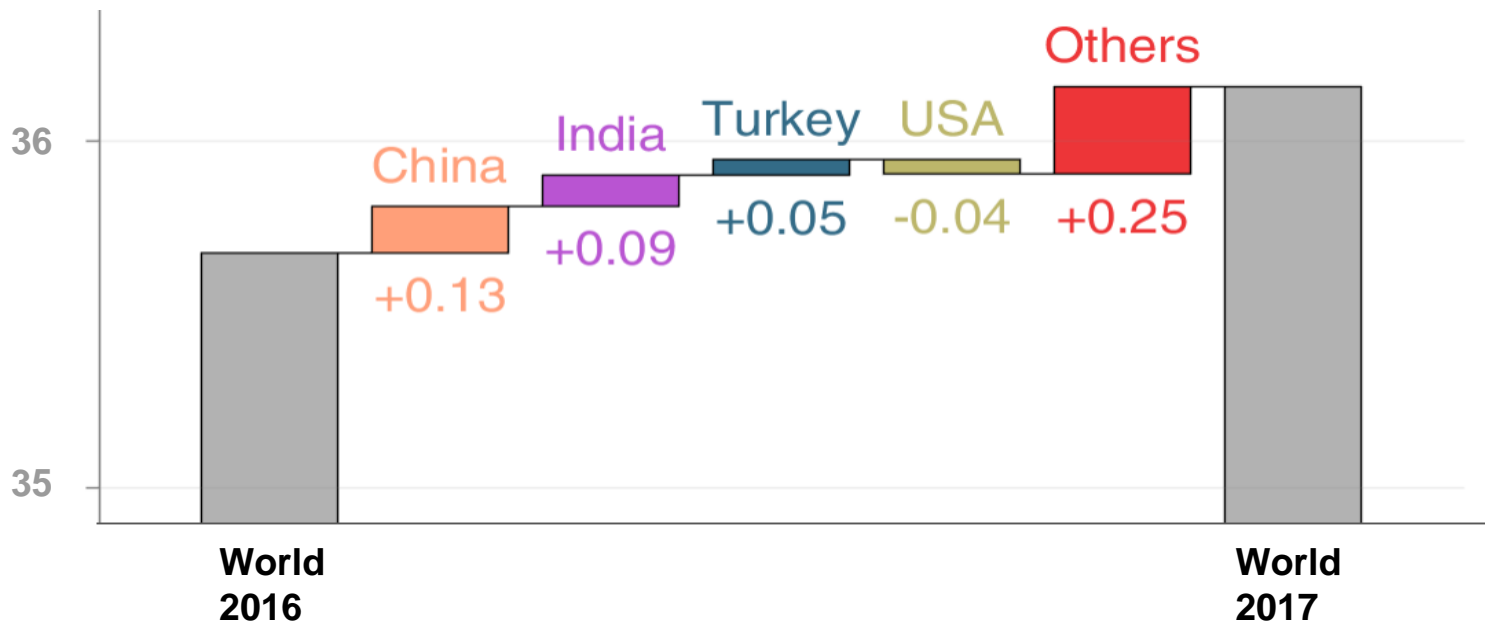
% of total (originally in ktoe)



U.S. is already contributing to global decarbonization among top emitters

Changes in national emissions 2016-2017 among four largest absolute contributors

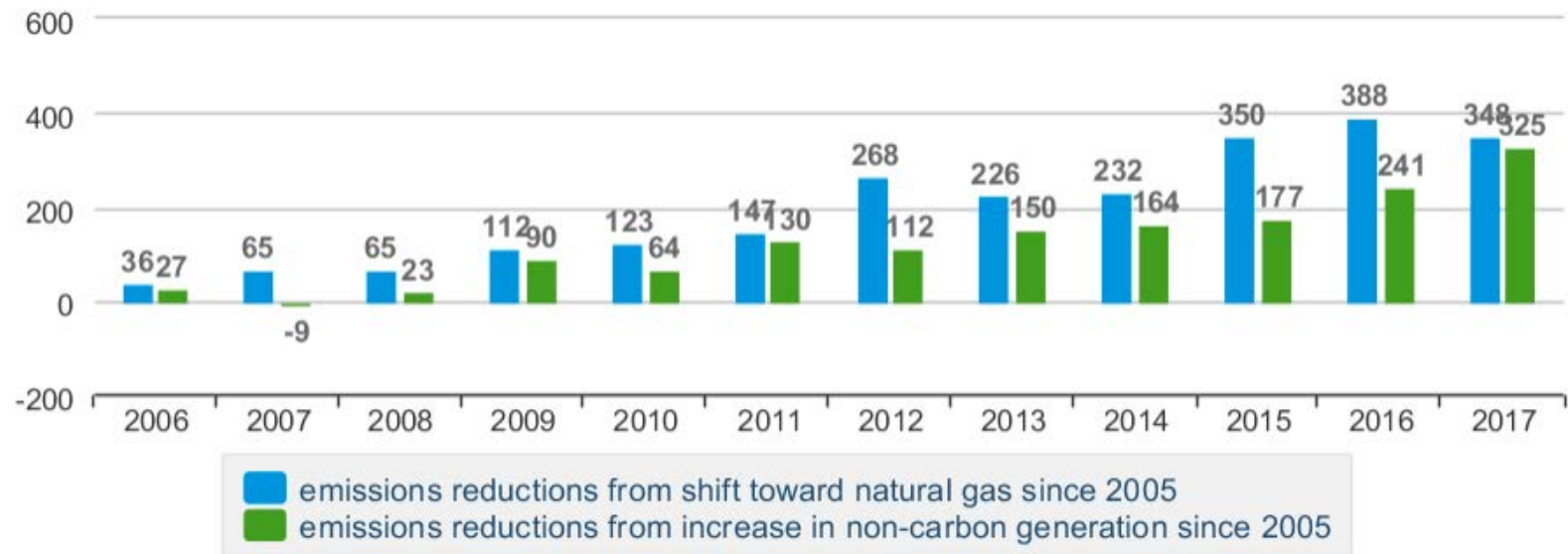
GT of CO₂ emissions



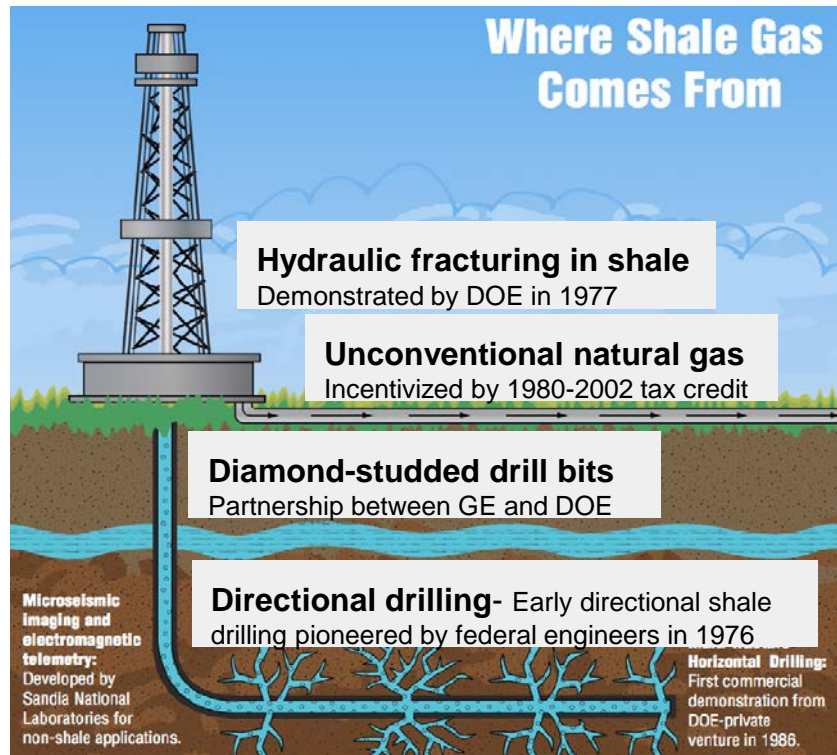
U.S. emissions reduction driven by a partnership between cheap, flexible, cleaner natural gas and increasingly competitive renewable generation

Electric generation CO2 savings from changes to the fuel mix since 2005

million metric tons of CO2



Shale gas revolution in the United States - our most important tool for decarbonization - was born of grand public private innovation partnerships



~\$500M applied R&D in partnership with private sector

- Horizontal drilling
- Hydraulic fracturing
- 3D seismic imaging
- Diamond headed drill bits
- Combined cycle natural gas turbines

\$6B to \$12B in tax incentives between 1985 & 1991

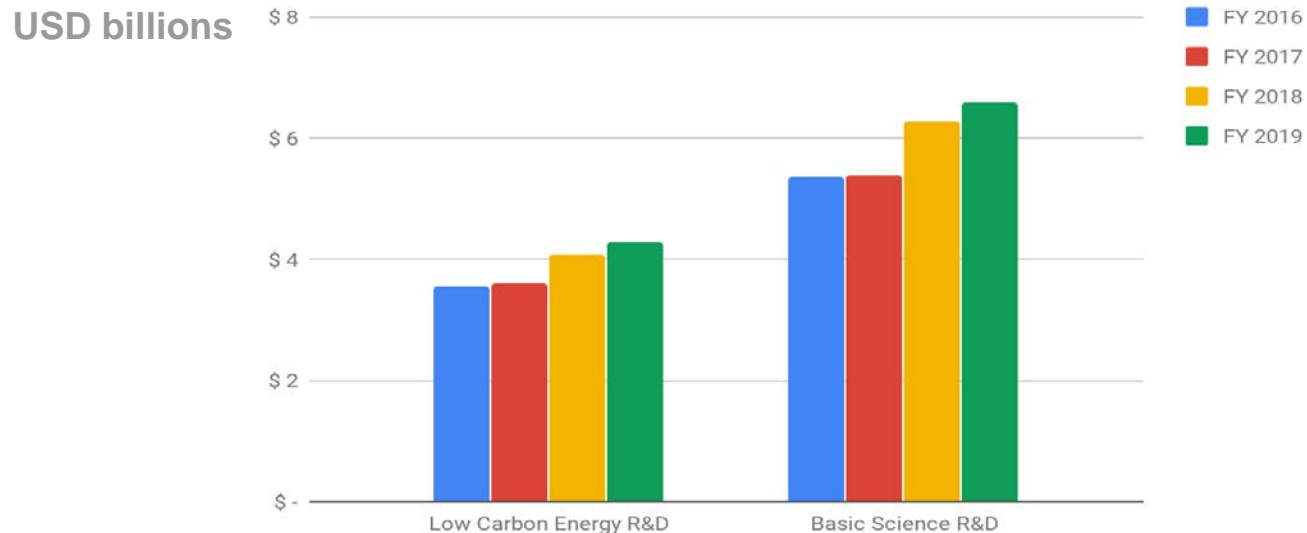
\$100M+ investments by Gas Research Institute

- Commercialization & cost shares (e.g. Mitchell)

Massive development and use of cheap gas power


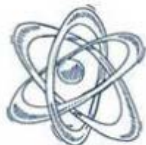






Inspiring next shale-scale technology - U.S. enacted largest ever increases across clean R&D portfolio in 2018

Resources appropriated to U.S. Dept. of Energy research, development, and demonstration

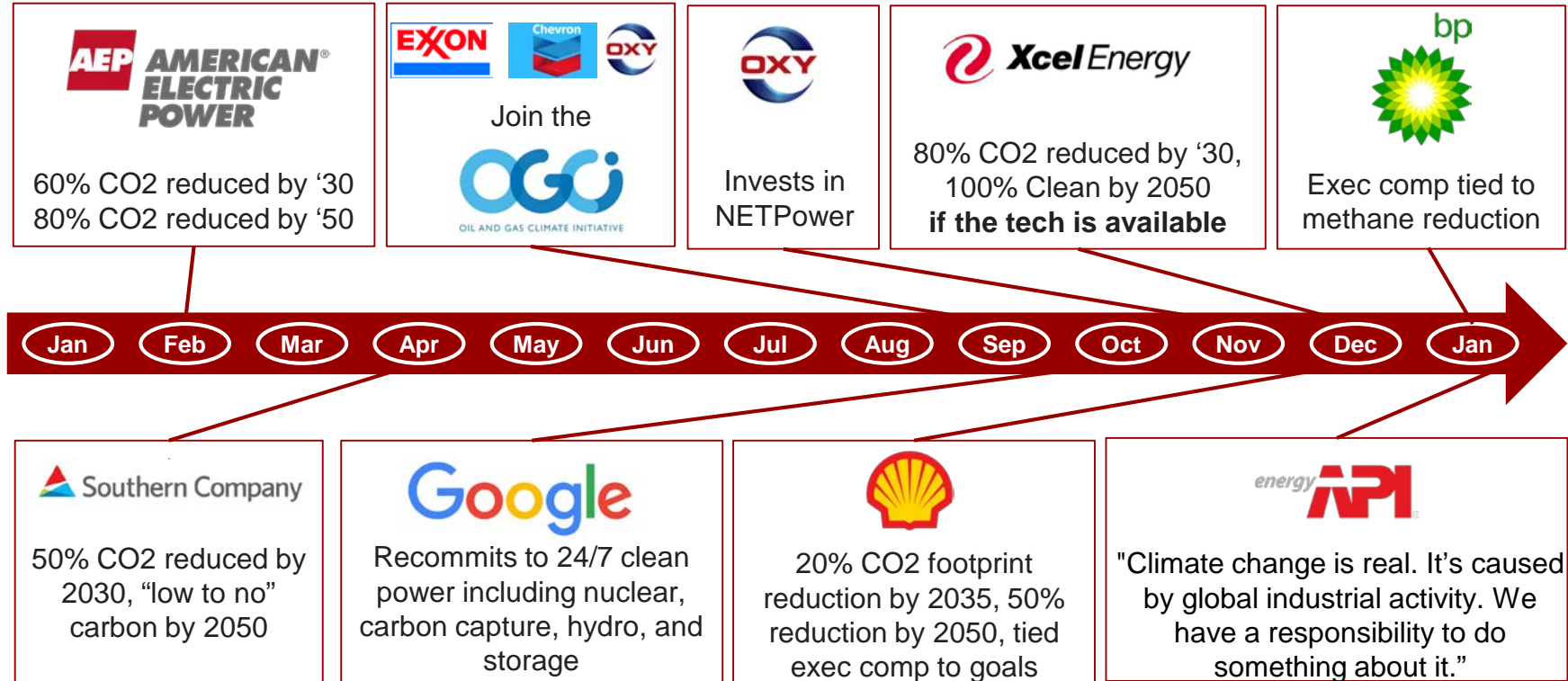


Low Carbon R&D includes Offices of Energy Efficiency and Renewable Energy, Nuclear Energy, Electricity, Carbon Capture and Carbon Storage Programs, and ARPA-E

Conservative policy makers invested significantly in clean energy in 2018

		Clean capital impact (max)	
	45Q CCS incentive	~ \$50,000 M	
	45J nuclear incentive	\$6,000 M	
	FY'19 clean RD&D	\$5,810 M	
	FY'18 clean RD&D	\$5,550 M	
	NEICA nuclear innovation	~\$3,000 M	
	NEIMA Reg development	~ \$140 M	
	Total	~ \$70,000 M	

Corporate convergence: Commitments increased in ambition & breadth, but also began converging towards using full ALL zero emissions tools



In 2019, the dam began to break on conservative climate positioning



PRESS RELEASE

REPUBLICAN LEADER GREG WALDEN | 116th Congress

E&C Republicans Ask Dems to Work Together on Bipartisan Climate Change Solutions

POLITICS

Climate change returns to center stage in House

Nick Sobczyk, E&E News reporter

Cut Carbon Through Innovation, Not Regulation

By John Barrasso

Republicans Have Better Solutions to Climate Change

By Greg Walden, Fred Upton & John Shimkus
February 13, 2019

CLIMATE

Democrats praise 'refreshing' change in Science Committee

Niina Heikkinen, E&E News reporter

Lawmakers Pitch Nuclear Energy, Carbon Capture to Scale Down Emissions

There's a growing bipartisan push to back research and development in these areas, despite skepticism from some environmental advocates.

Don't look now, but the House just woke up to the cost of climate inaction

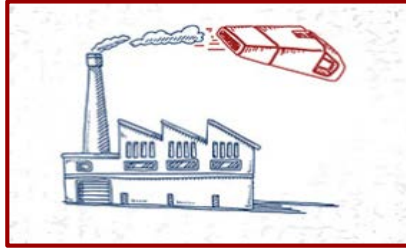
A bunch of Republicans and Democrats from the U.S. House of Representatives got together and came to a shocking bipartisan agreement: Climate change is a thing. And boy is it going to cost us.

2019 opportunities - More bipartisan “singles and doubles”



Innovation

- **R&D funding** for zero-carbon emitting technologies
- **NELA** - advanced nuclear
- **BEST** - advanced storage



Infrastructure

- **USE IT** - CO2 pipeline permitting
- **Fossil R&D bill** - Reauthorize zero-carbon research at the DOE



Tax

- **ESIC** - Clean energy technology inclusive tax incentives



Regulations

- **NEPA** - Engaging the NRC on reforms
- **RR/UU** - Enabling deployment of CCS tech