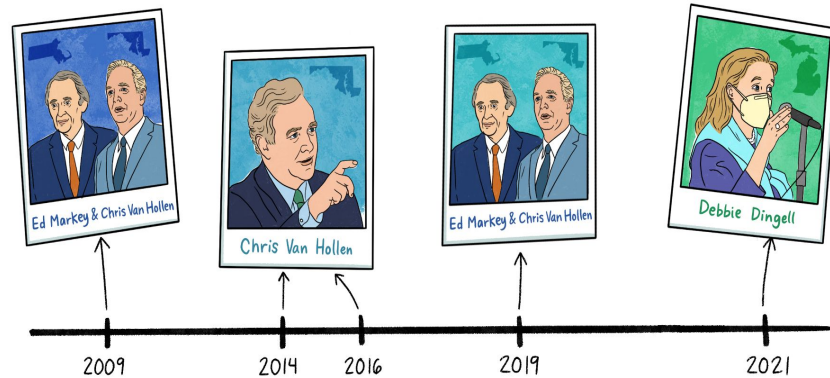
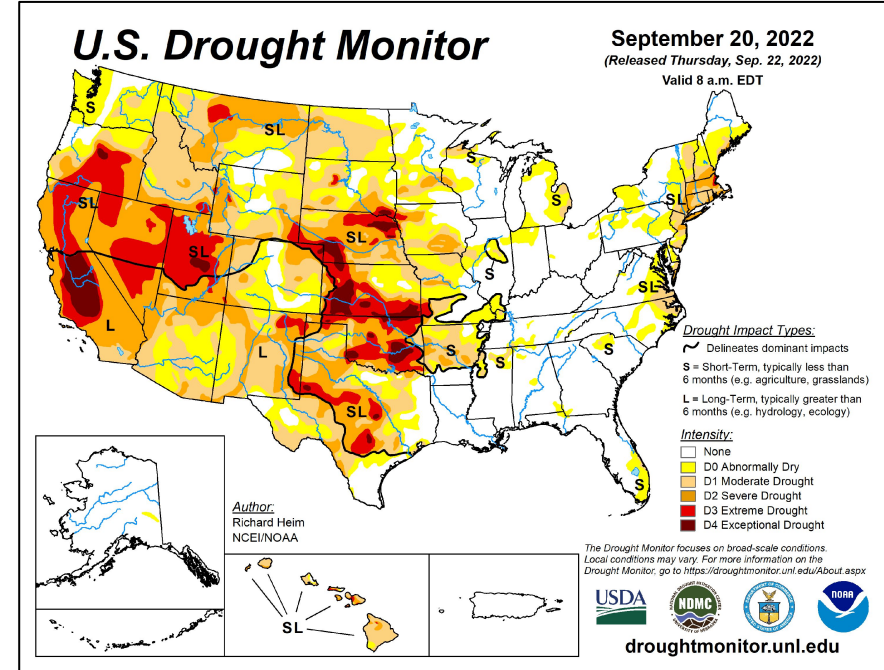


Creating National Green Bank Network



General crises; local impacts



Power platform supports or disrupts everything

‘Crippling’ Energy Bills Force Europe’s Factories to Go Dark

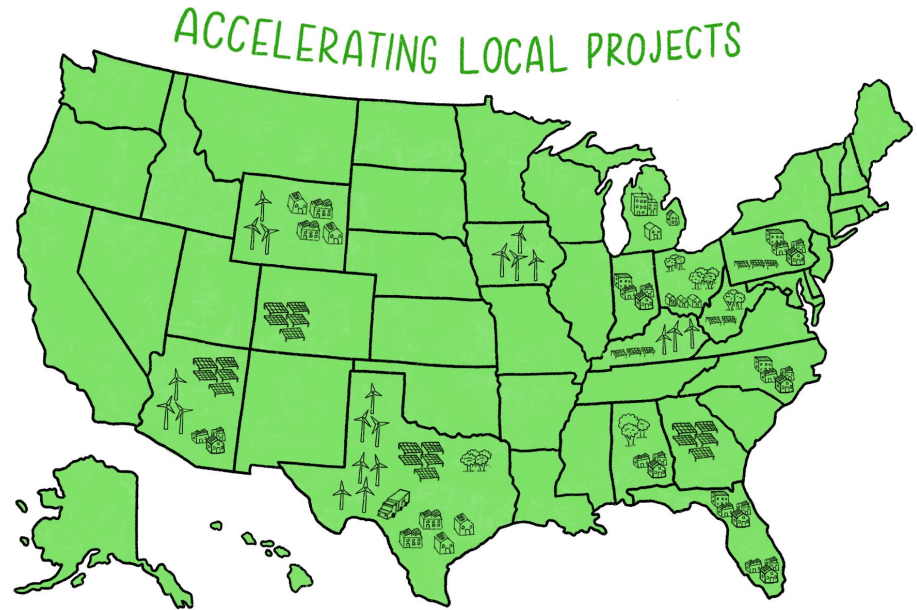
Manufacturers are furloughing workers and shutting down lines because they can’t pay the gas and electric charges.

Dodging Blackouts, California Faces New Questions on Its Power Supply

Extreme heat is testing the way energy is generated, delivered and traded — and raising the prospect of perpetual emergencies.

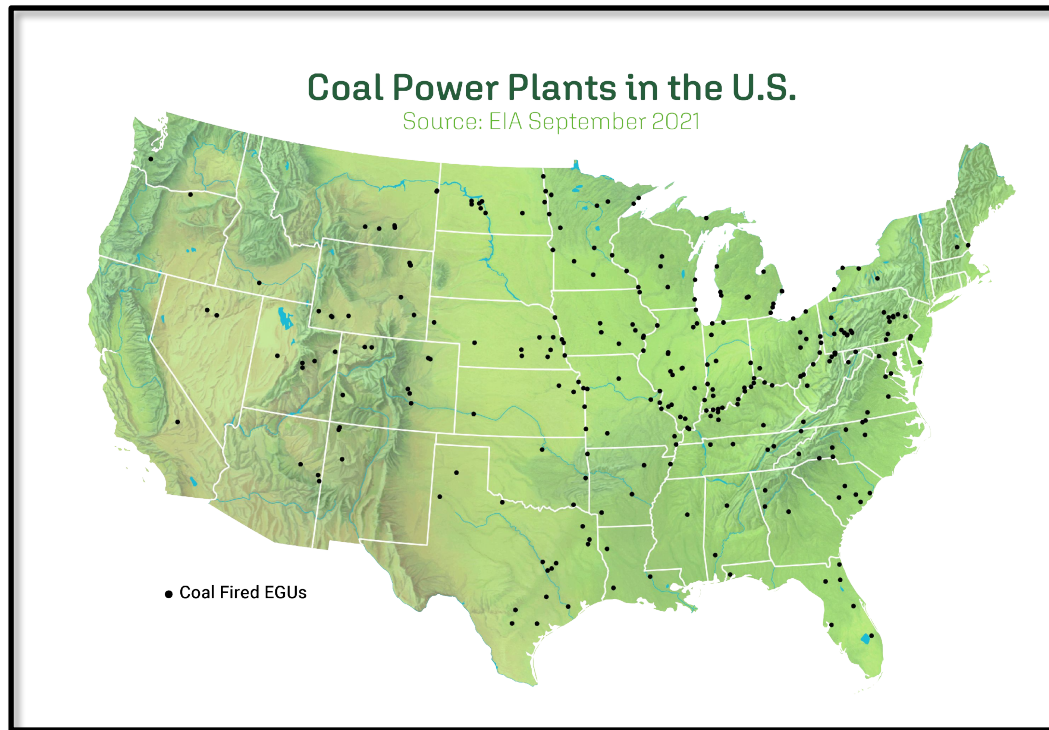
National Green Bank must build national clean power platform for everyone – general truth, local construction

- Include existing Green Banks, CDFIs, minority-owned banks, nonprofits, and other mission-aligned finance institutions
- Involve mayors, governors, city councils to create new government-sponsored institutions
- Stand up, fund new institutions led by local actors
- Involve private investors, utilities, contractors in every state

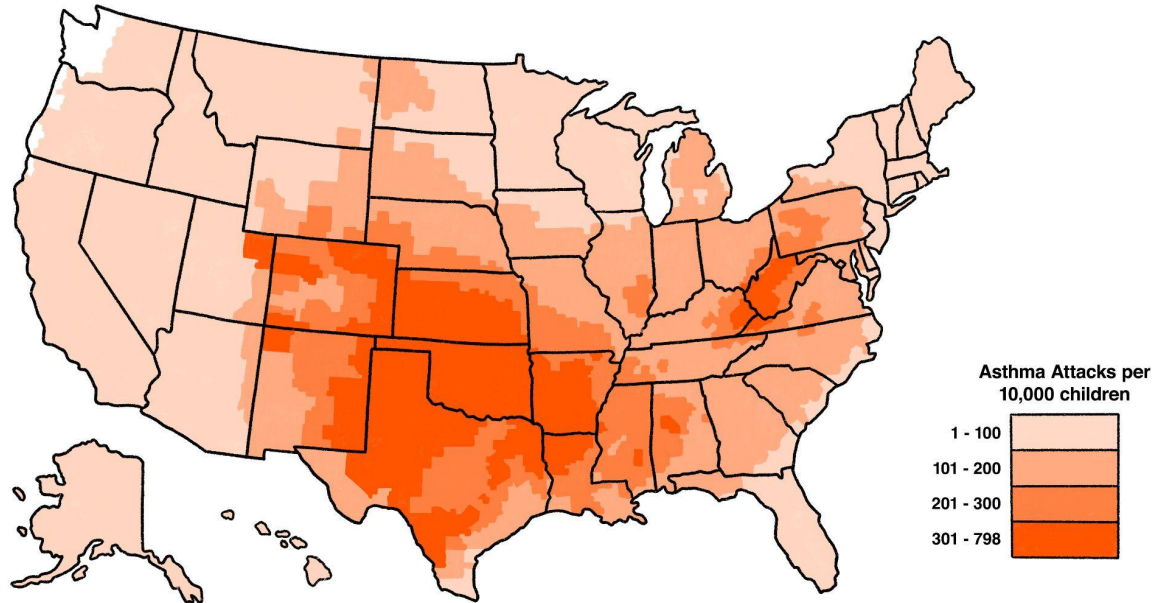


National plan....but local change

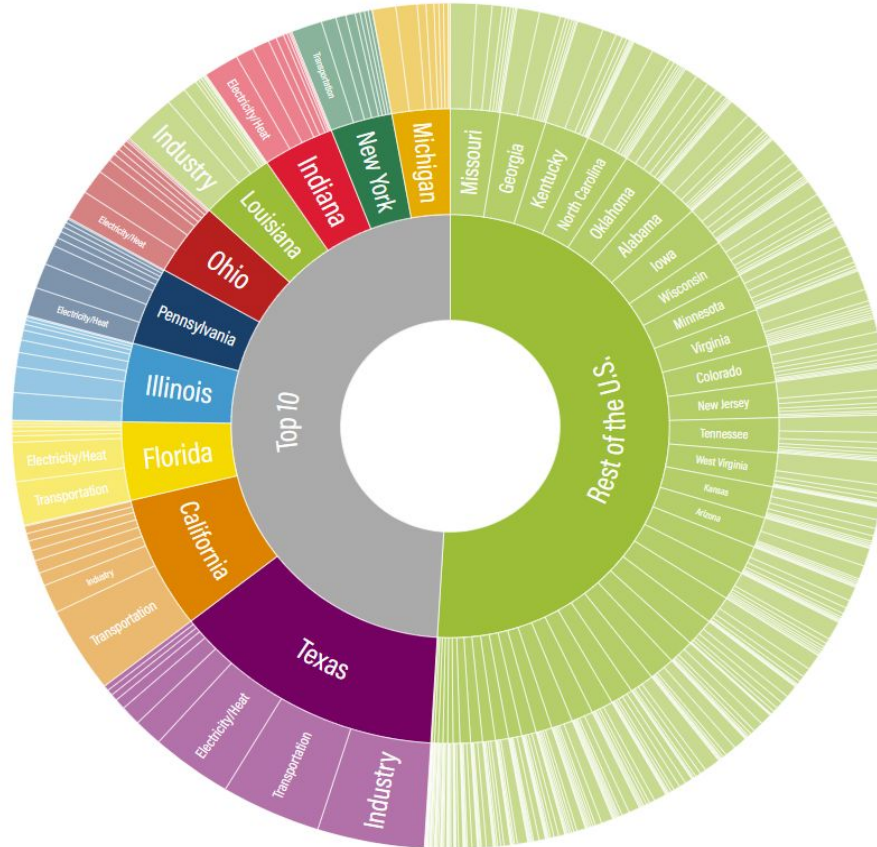
- Opportunity to reduce output and/or retire 577 conventional steam coal-fired or coal-integrated generating units in the U.S.: 230 GW of dirty generation capacity across approximately 240 power plants and 80 industrial/commercial sites.



National plan....but local benefits



Must focus on equity and emissions



National Green Bank grows aggregate capital 10-20x/10 years; must stimulate demand

Leverage Mechanism

NGB immediately leverages capital deposit 2/3:1, then Network members “crowd-in” private investment in projects; historically green banks have done this at a 3:1 ratio

Over a ten year period, **NGB aggregates and securitizes asset-backed financing products** to recycle investments 2/3:1/10 years; attracts 3x impact investing to reliable portfolio

NGB capital to depository institutions that borrow at 3:1 or even higher

Broad, durable, mission-focused governance independent from government

Board Candidates To Be Considered Based on the Following List of Attributes

Race/Ethnicity

Gender

Age

Location

Financial services (traditional) experience

Financial services (green bank) experience

Financial services (community finance) experience

Environmental justice and equity experience

Climate mitigation policy experience

Energy policy expertise

Environmental policy and environmental health expertise (air pollution)

Past federal or state government expertise

C-Suite experience (private, public, or nonprofit sectors)

NGO governance experience

Corporate/NGO audit and finance committee experience

Strategic communications expertise

Green technology expertise

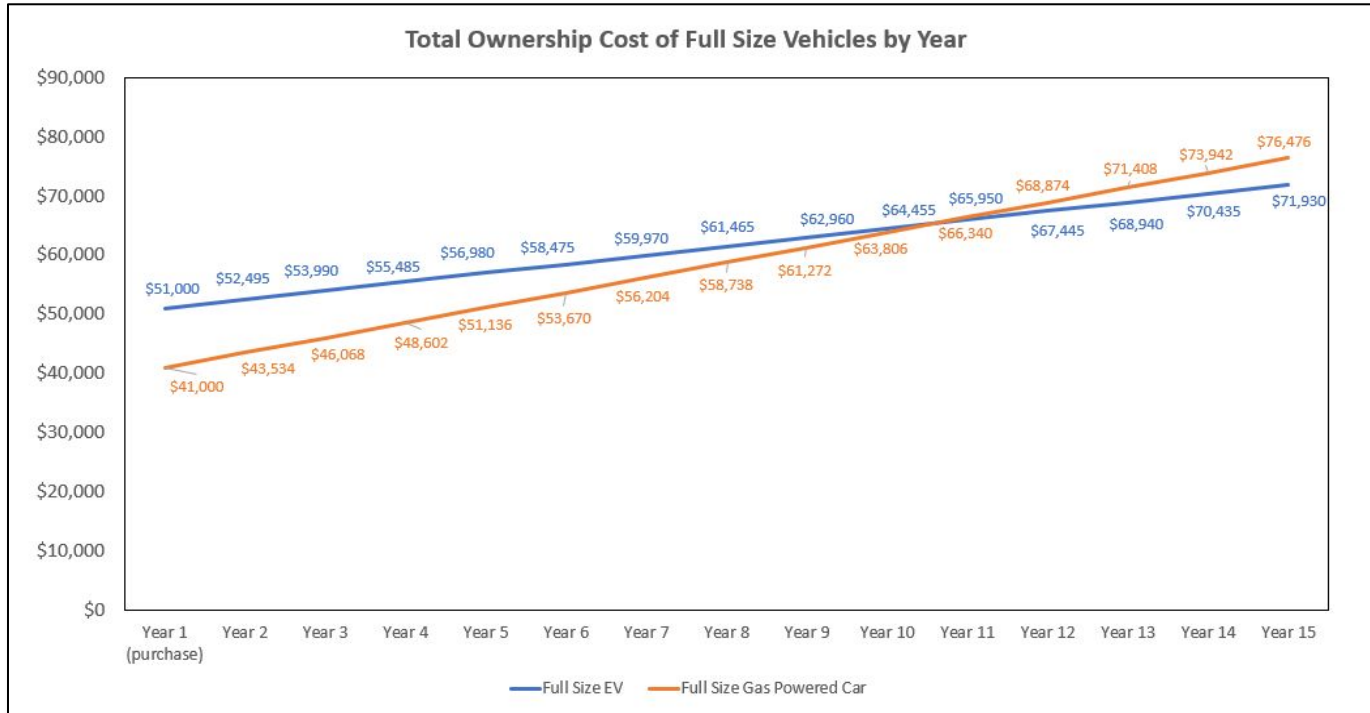
Experience in BIPOC entrepreneurship

CGC Board of Directors welcomes Marla Blow as newest member

- President of Skoll Foundation
- Former Founder and CEO of FS Card Inc., an impact-oriented consumer credit business (sold to strategic acquirer)
- Former Senior Vice President of Social Impact at Mastercard
- Former Assistant Director, Card and Payment Markets at the Consumer Financial Protection Bureau
- Member, Consumer Financial Protection Bureau Implementation Team



The challenge: Move future to present



What/how: how to drive rapid adoption rate for green goods

Average Electricity Price:

Up 12% from 13.16 cents per kWh in 2020 to 14.75 cents per kWh in 2022

Inflation Rate:

8.6%
from May 2021 to May 2022

Consumer Utility Debt:

20 million families in utility debt, owing \$16 billion overall (up from \$8.1 billion at the end of 2019)

Average Mortgage Rate:

6.29%
Up from 3.45% in early 2020 (pre-Covid)

National goal....but value proposition varies

Current heating fuel type	Price of heat pump (without rebates, OEM bargains!)	Average annual savings from installing heat pump	Useful life	Payback period (Central ducted system)	Payback period (Ductless minisplit system)
Electric Resistance	\$8,000-\$15,000	\$941.85	13 years	7.5 years	9 years
Fuel Oil		\$772.87	13 years	9 years	11 years
Propane		\$658.25	13 years	10.5 years	13 years
Natural Gas		\$15.75	13 years	444 years	540 years

Sun shines in Wheeling

- As of Jun 2022, the average cost of solar panels in West Virginia is \$2.64 per watt making a typical 6000 watt (6 kW) solar system \$11,717 after claiming the 26% federal solar tax credit.
- In Wheeling:
 - Average solar panel cost: \$10,039 - \$12,270 (after tax credit)
 - Average annual savings: \$1,758 – 2,148
 - Average simple payback: 5.7 – 6.9 years

Transformation: Marshall County, WV

- Owner-occupied homes - 12,600
- Median home value - \$109,300
- Median income - \$48,500
- Unemployment – 7.0%
- Poverty Rate - 14%
- Annual Energy Costs - \$4,000
- Savings from Upgrade - \$2,400
- Project Capital Cost - \$78,000

