

WIRED UP, READY TO GO



Electrifying Everything with CLEAN
and Renewable Energy



Are you seeing impacts of climate change?





Has anyone you know been
impacted by climate change?
How?





Why electrify now?

- The products of combustion, of burning things for energy, are killing our life support systems, our food, water, air
- As people of faith we have a moral imperative to be stewards of the earth, and all faith traditions are calling for aggressive action to forestall and reverse climate change
- All predictions have been less than reality!
- What do YOU think?





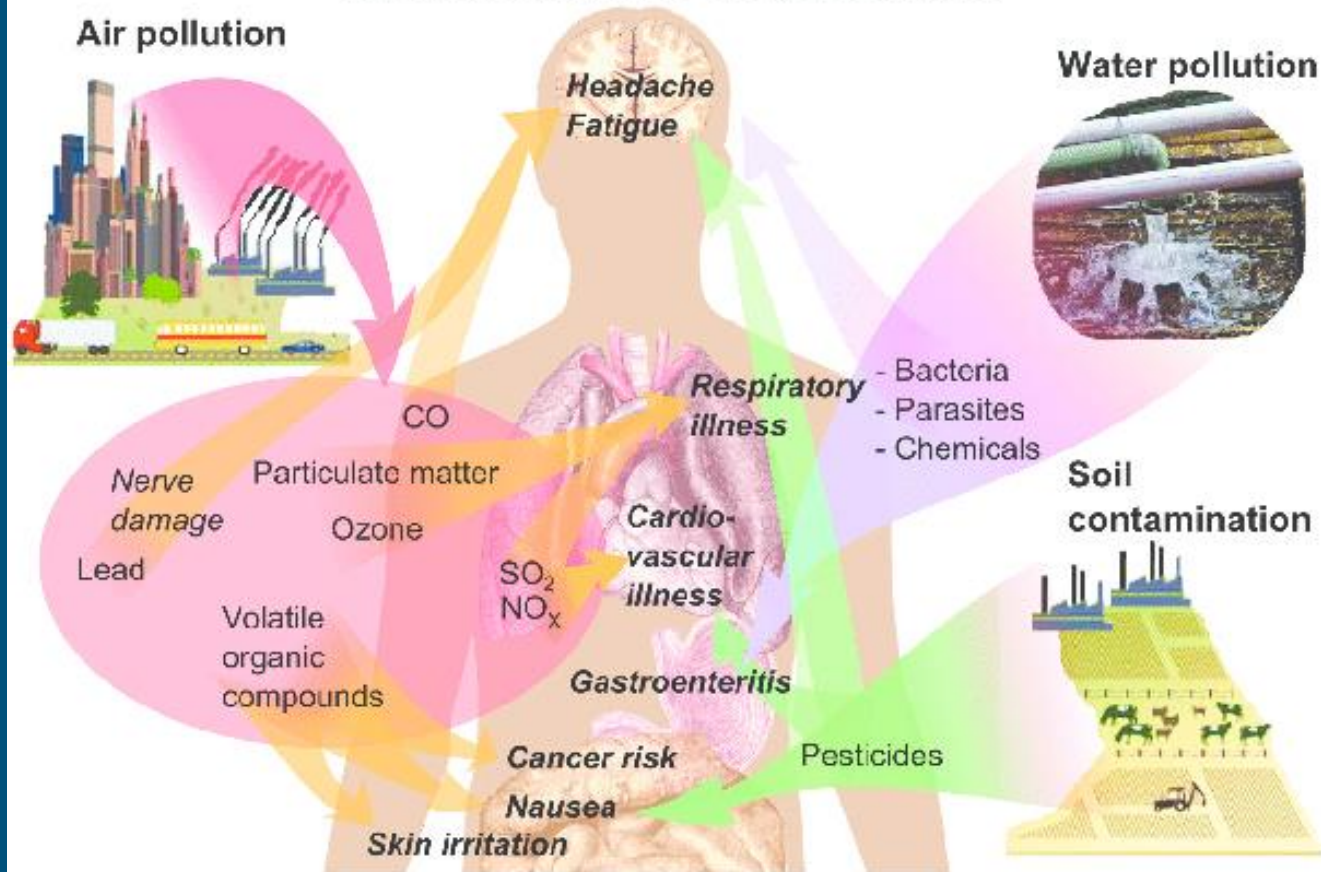
Acting NOW improves these human health impacts!

- Starvation, increased respiratory diseases, viruses, cardiovascular disease, cancer
- More parasites, pathogens, chemicals in our air and water
- Stress and depression and fear
- Heat exhaustion and kidney disease
- Helping people stay in their homes





Health effects of pollution





Action NOW saves money!

“It is now cheaper to save the earth than to ruin it.” Hal Harvey, CEO of Energy Innovation

- Extreme weather hit 14.5 million US homes in 2021, costing \$59 billion!
- House Budget Committee estimates we’ll spend an extra \$500 billion of tax dollars by 2030 on repairs if business continues as usual
- The global community will save \$26 TRILLION if we change to sustainable practices by 2030



U.S. 2021 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the 20 separate billion-dollar weather and climate disasters that impacted the United States in 2021





We have to come to our own rescue

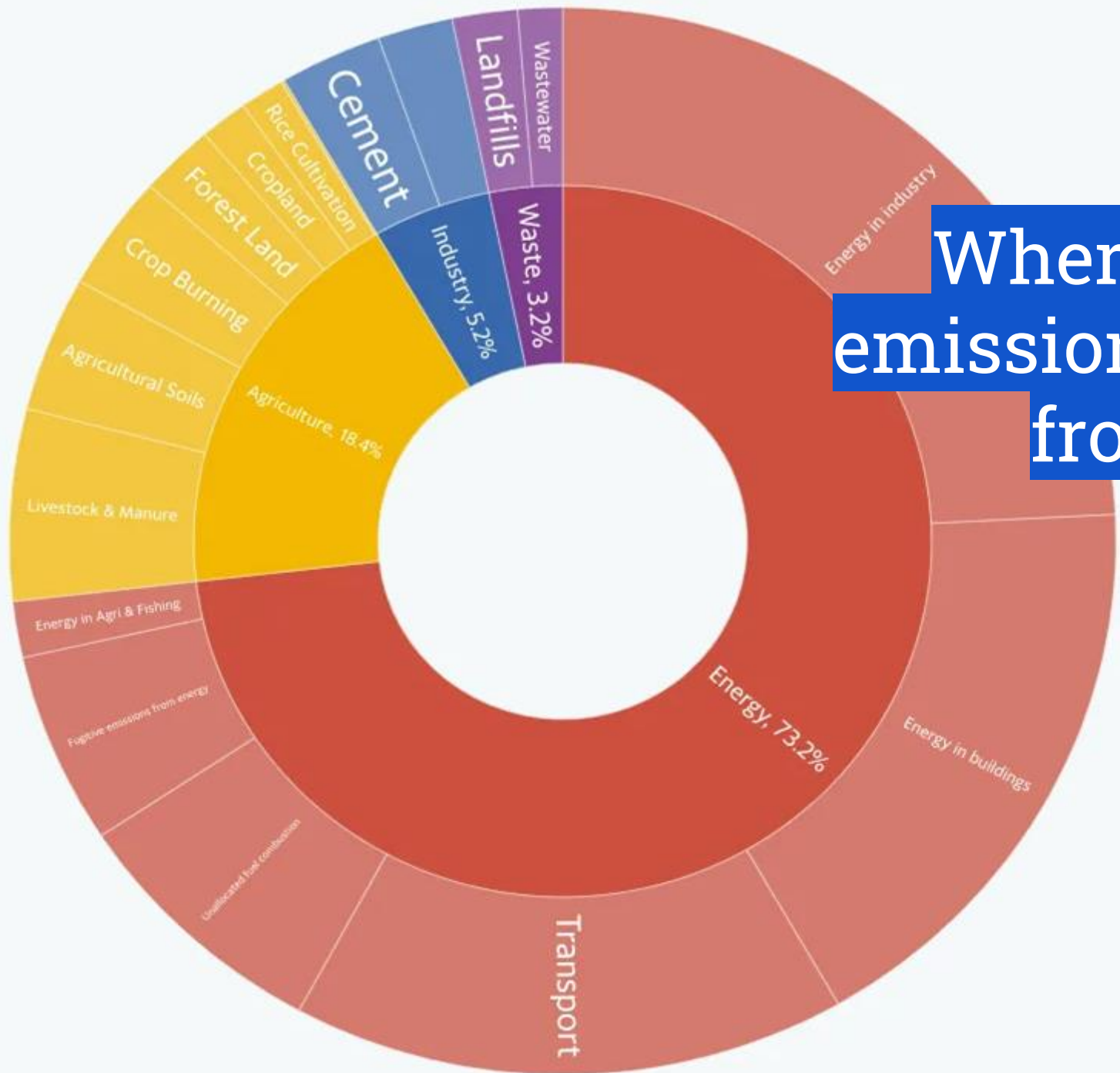
- There are no magic bullets
- Worldwide, governments subsidize fossil fuels with \$11 million per day
- It's hard to compete with big corporate lobbyists!

BUT

- We can have a solution NOW - we can ELECTRIFY!!
- We can decide with our wallets AND our voices and our votes



Where our emissions come from





“Electrify Everything” means...
switch to electricity from a clean,
renewable power source



MAOS

It PAYS to Electrify!

“If we begin replacing our cars, water heaters, furnaces (as they reach the end of their useful lives) with electric models, this shift will happen over the next couple decades and begin to provide thousands of dollars in savings in every household every year.”

- Saul Griffin, author of *Electrify: An Optimist's Playbook for Our Clean Energy Future*.



Our tools to RAPIDLY electrify

1. Clean, Renewable Sources
 - Solar - abundant in MD
 - Wind - from another state
 - Hydroelectric
2. Financial Incentives
 - Federal Residential Electrification Incentives
 - State Residential Electrification Incentives
 - Local financial incentives
3. Our Voices - spread the word, advocate for more
4. Our Wallets - use our purchasing power to change the market!



New Savings from Inflation Reduction Act (IRA - 2022)

Homeowners and renters: <https://www.rewiringamerica.org/app/ira-calculator>

It makes financial sense to electrify!

New Federal Tax Credits from IRA

ITEM

- Rooftop Solar Installation - 30% - Now!
- Geothermal Heating Installation - 30% - Now!
- Battery Storage Installation - 30% - 2023
- New Electric Vehicle - \$7,500 - 2023
- Used Electric Vehicle - \$4,000 - 2023
- Heat Pump Air Conditioner/Heater - \$2,000 - 2023
- Heat Pump Water Heater - \$2,000 - 2023
- Electric Panel - \$600 - 2023
- Basic Weatherization - \$1,200 - 2023

Other New Incentives from IRA

- Whole Home Energy Reduction Performance Rebate - \$4,000 - 2023
- Heat Pump Water Heater - Upfront Discount - \$1,750 - 2023

IRA Incentives Tied to Household Income

All available beginning 2023 - Upfront Discount

- Heat Pump Water Heater - \$1,750
- Heat Pump Air Conditioner/Heater - \$8,000
- Electric Stove - \$840
- Heat Pump Clothes Dryer - \$840
- Electric Panel - \$4,000
- Basic Weatherization - \$1,600
- Electric Wiring - \$2,500



Purchase clean, renewable electricity

- 1) Purchase from a clean energy source -
 - [800-218-0113](tel:800-218-0113) for Potomac Edison customers

- 2) Then - choose from one of these options:
 - [Community Solar](#)
 - [Solar Co-ops](#)
 - [Third party installation on your property](#)
 - [Install and own your own solar panels](#)





What's in YOUR house?

How do you.....

- Heat your water?
- Cook?
- Dry your clothes?
- Mow your lawn?
- Heat and cool your home?

[Electrify Everything in Your Home](#)





Conserve Energy

- [Quick Home Energy Checkup](#), or call (888) 267-4685
- [Maryland EmPOWER Program](#)
- [Maryland Low Income Energy Efficiency Program](#)
- [Energy Audits in Maryland](#)
- New incentives and discounts from





SAVE sooner than you think!

Solar panels - cost \$15,000 to install on a 2100 sq ft condo

- \$3,900 federal tax rebate at 26%
- \$1,000 state rebate

Total upfront cost: \$10,100

Lifecycle savings -

- \$140 per month (savings on electricity - would be more if all appliances are electric)
- +\$360 per year in RECs*

By 8th year, initial investment is paid for through savings -

By year 9, saving \$2000 annually, PLUS an additional \$2500 savings per year by purchasing EV!





Take Action Today!

- Switch to clean energy
- Purchase all-electric versions of appliances, systems, and equipment as they age out
- Consider solar power for your home
- Investigate more options by reviewing [Electrify Everything in Your Home](#)
- Make your next car electric
- Spread the Word and VOTE for clean power champions!





Questions?

