# FAIR - SIMPLE - MONEY IN YOUR POCKET!

How to Reduce Carbon Dioxide Pollution, Create Jobs, Grow the Economy & Promote Clean Energy Investmen

#### ARKANSAS ALTERNATIVE ENERGY COMMISSION

25 August 2016 State Capitol, Little Rock, Arkansas

presented by ARKANSAS CITIZENS CLIMATE LOBBY

### **FAIR**

Every power plant pays same amount for each ton of  $CO_2$ .



### **SIMPLE**

Fee rises same amount each year Goes to CARBON BANK.



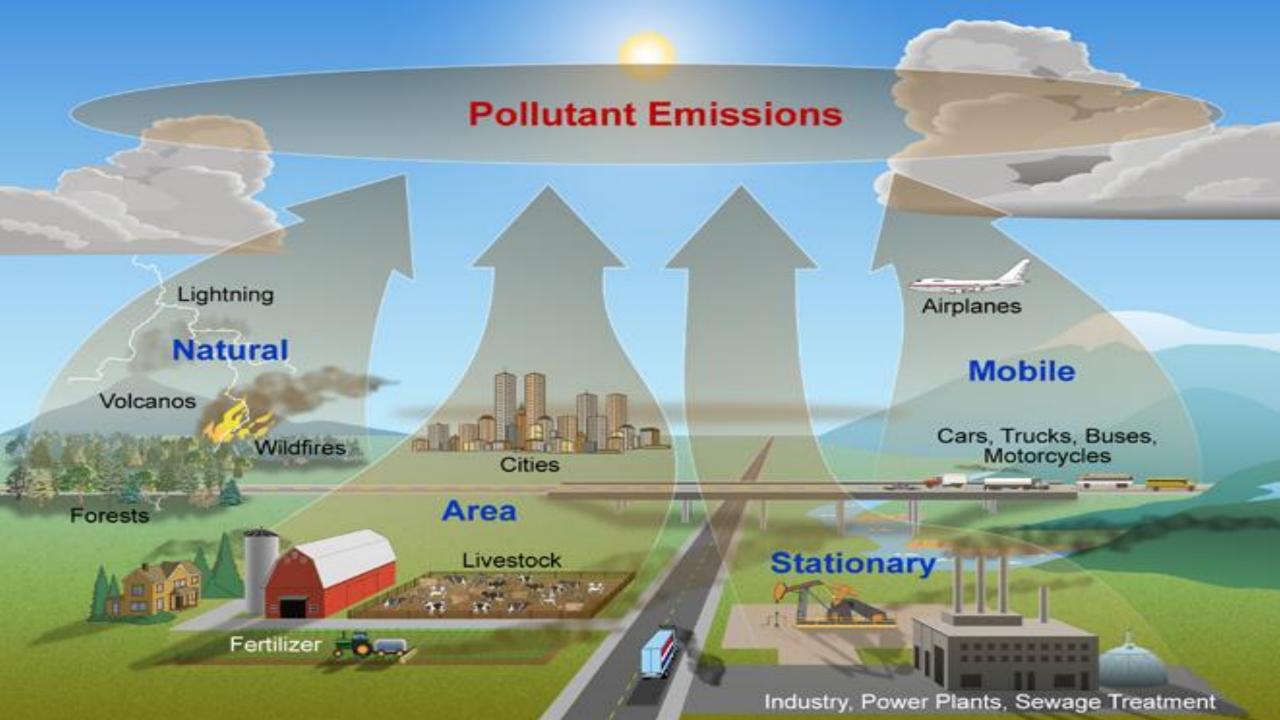
# MONEY IN YOUR POCKET

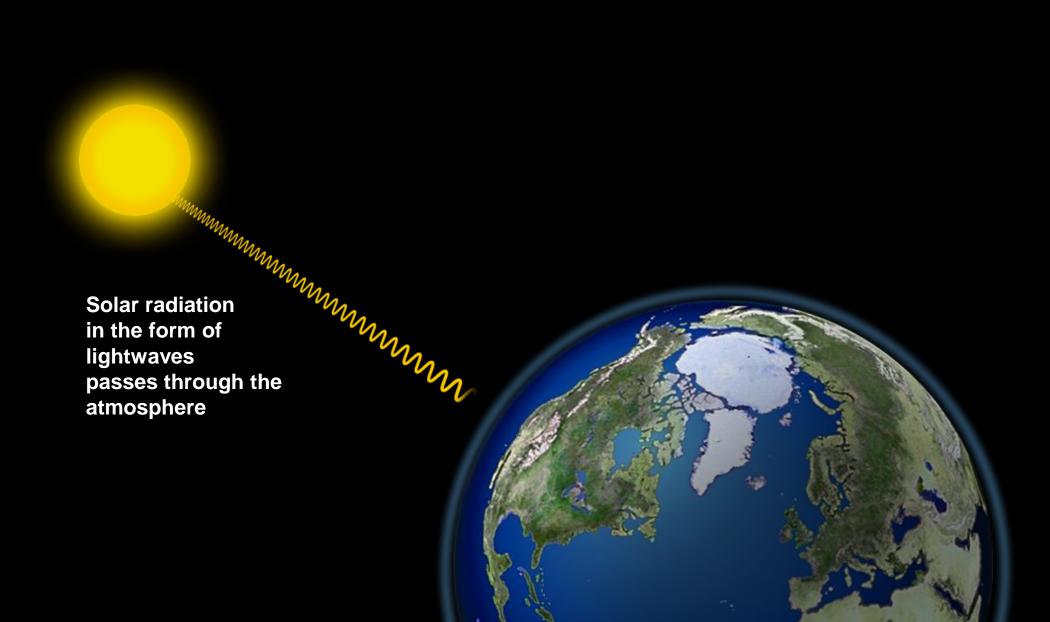
Each
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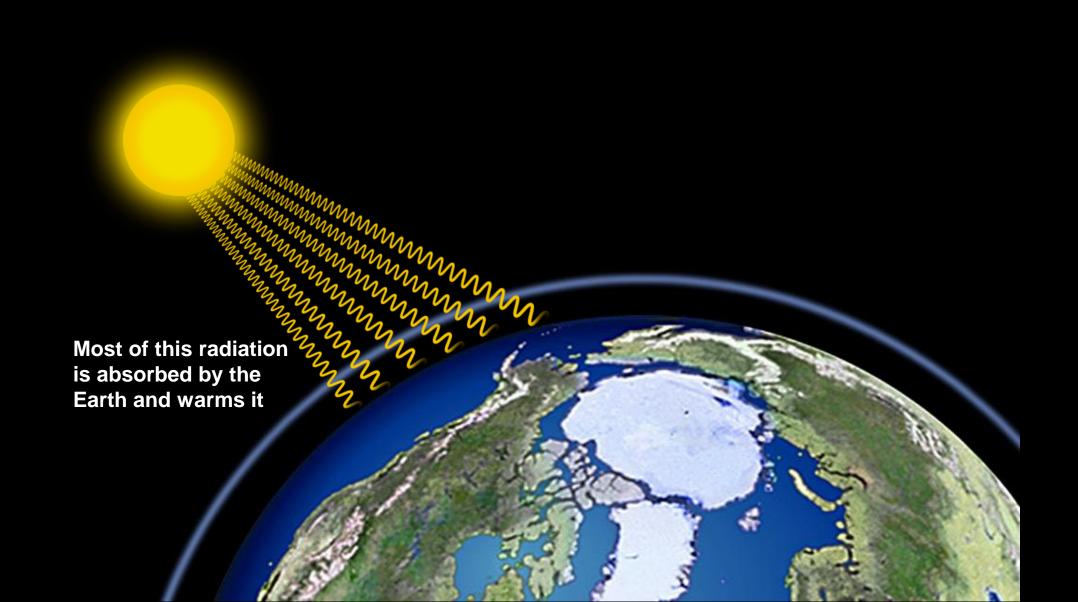


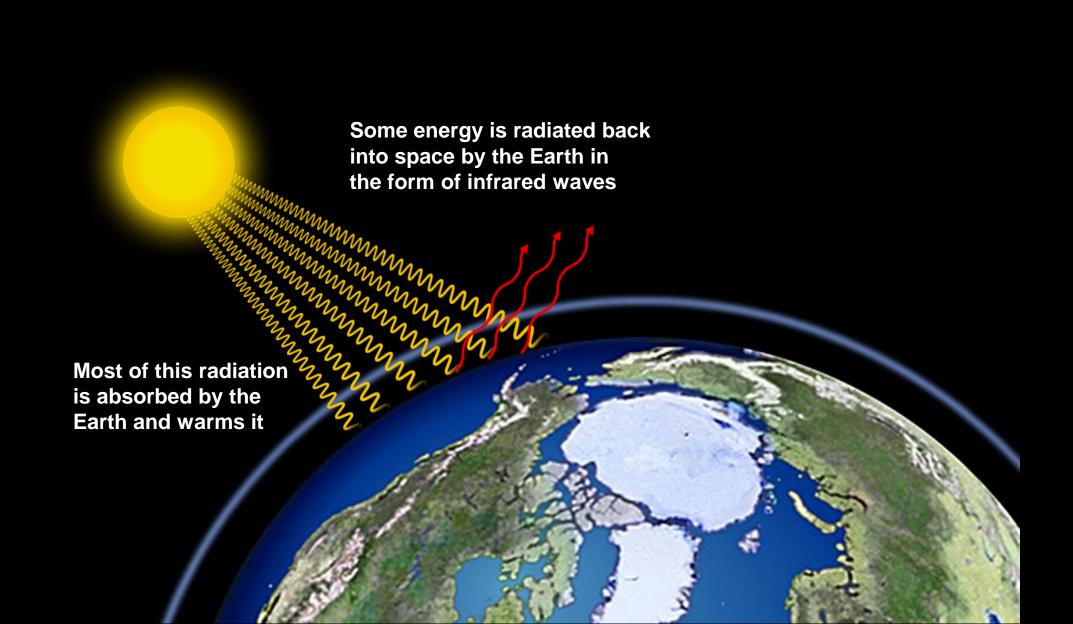
The Atmospheric Carbon Dioxide "Experiment"

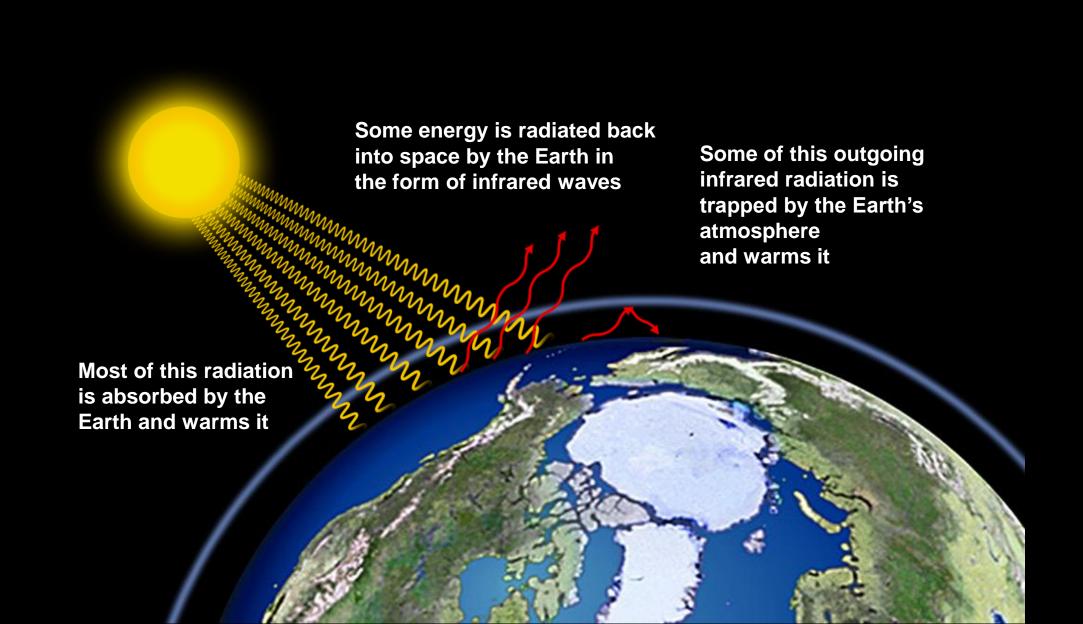
### HOW WE GOT TO THIS POINT



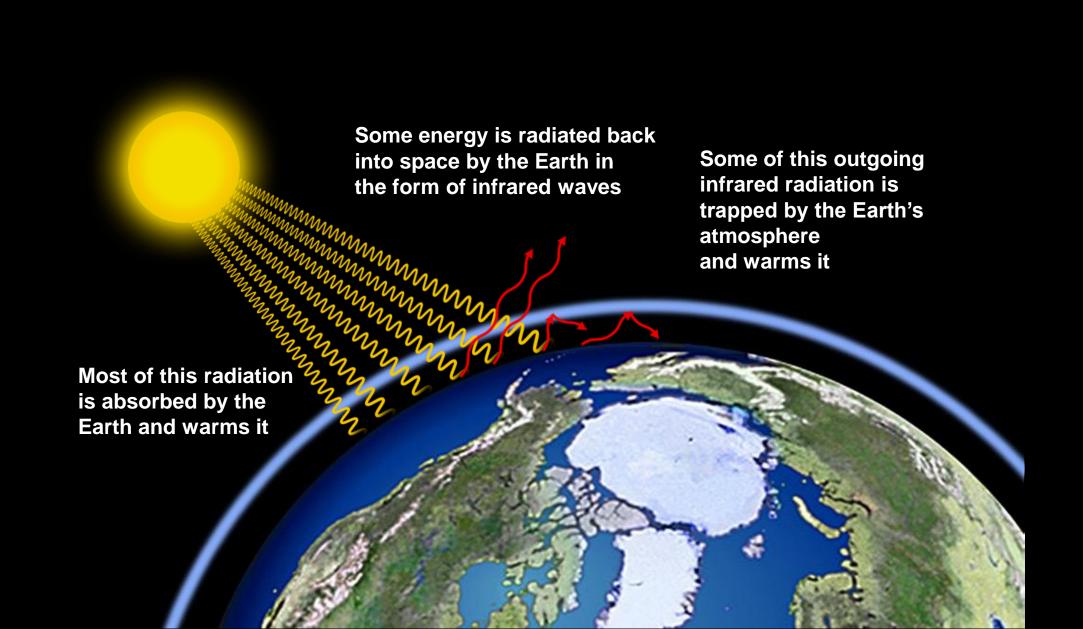




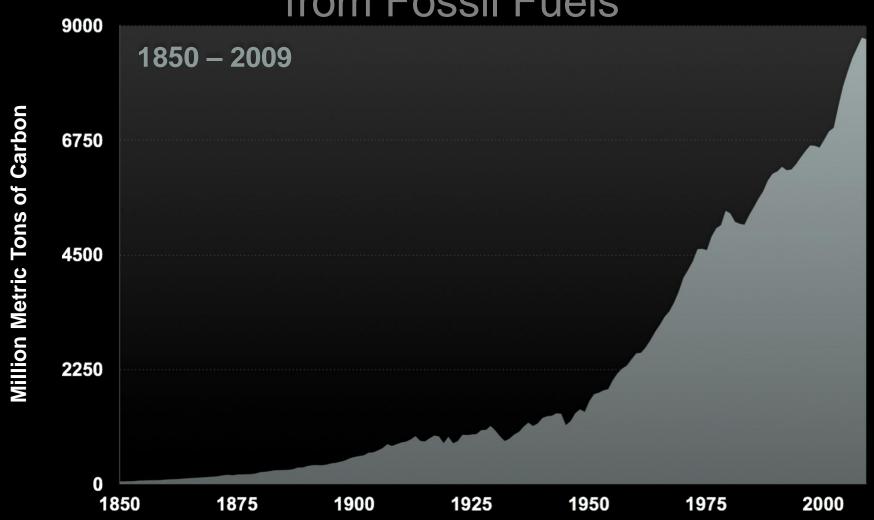


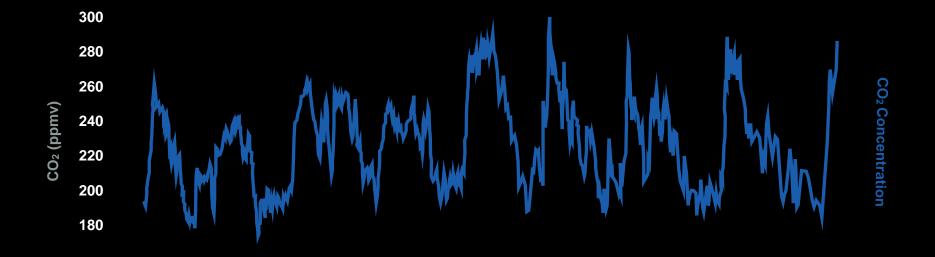




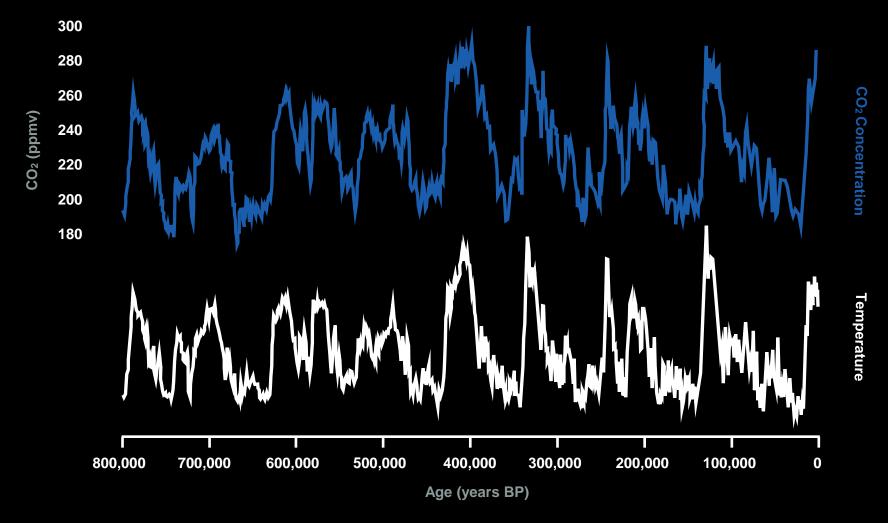


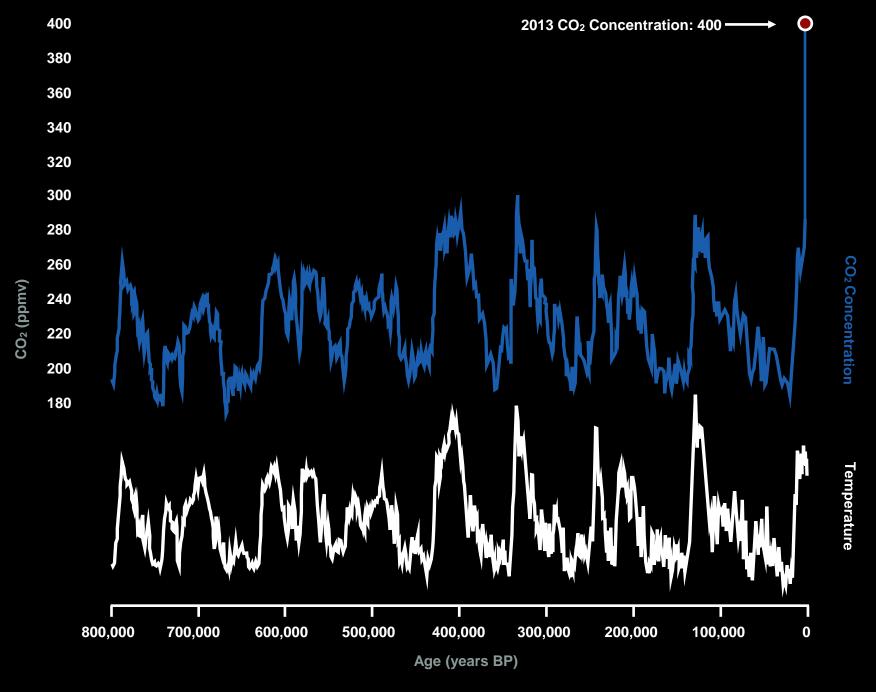
### Global Carbon Emissions from Fossil Fuels

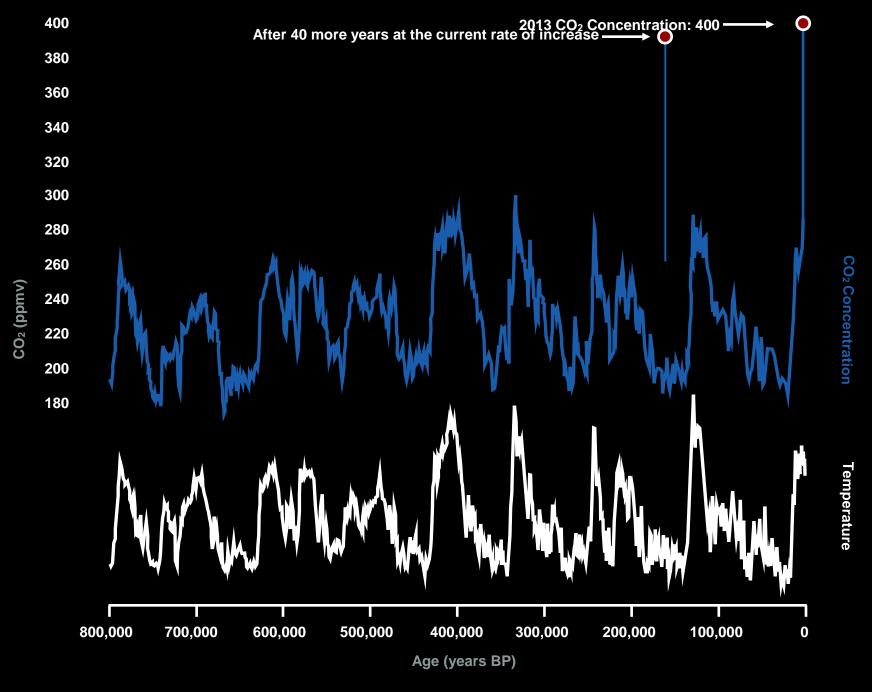




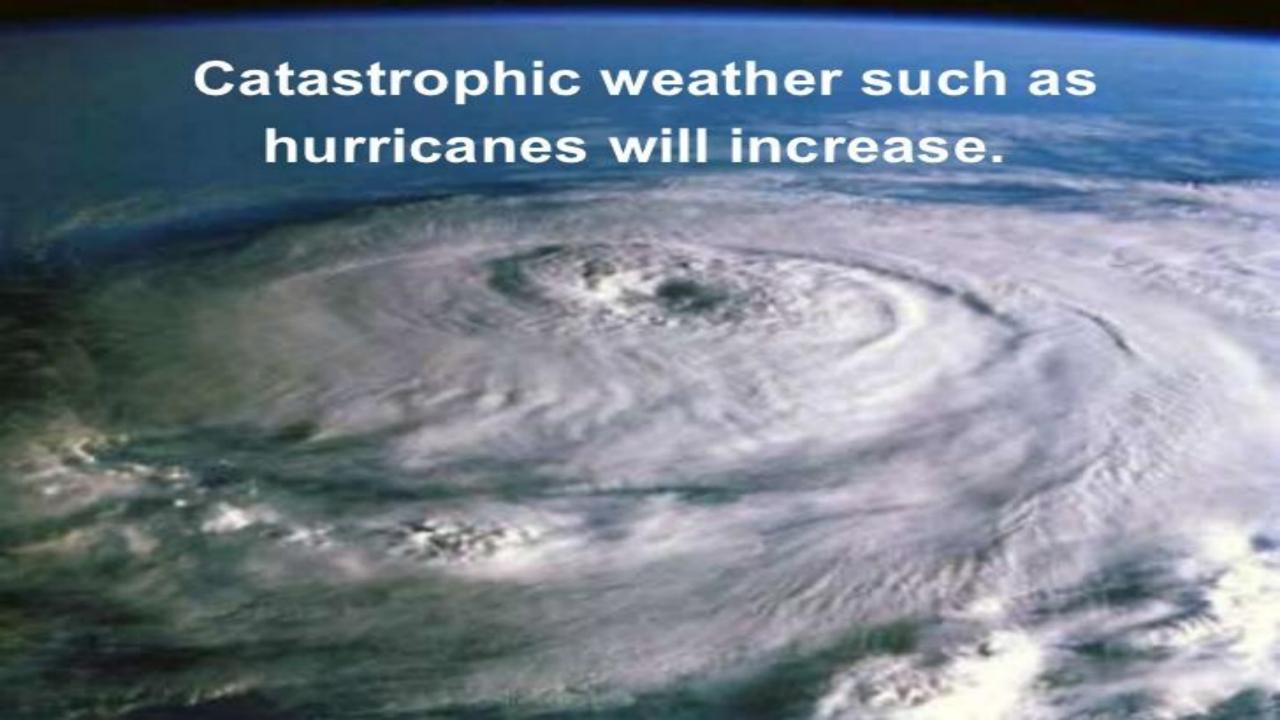








# Consequences of global warming



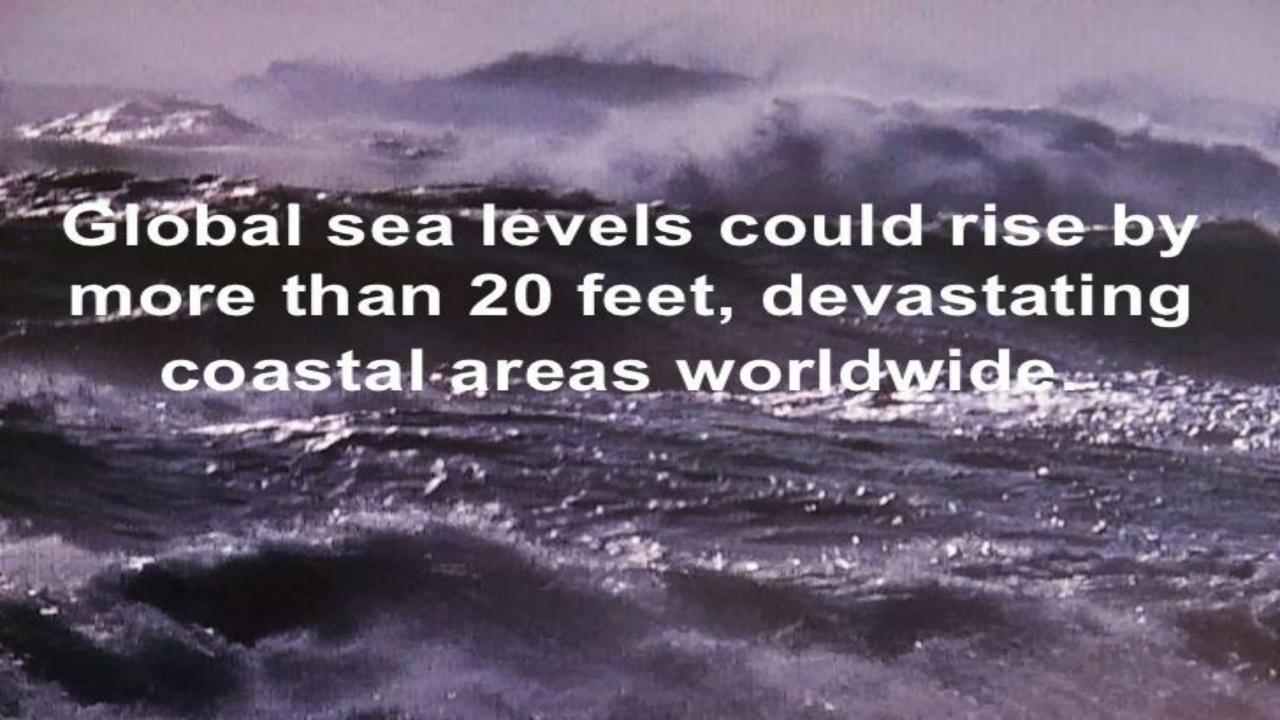
### Heat waves, droughts, and wildfires will be more frequent.

















### 14 of the 15 Hottest Years on Record Have Occurred Since the Year 2001



JULY 2016 was the 377<sup>th</sup> consecutive month with a global temperature above the 20th century average

### **ONEL MHELWED**

# An Elegant & Simple Solution

Carbon Fee & Dividend:

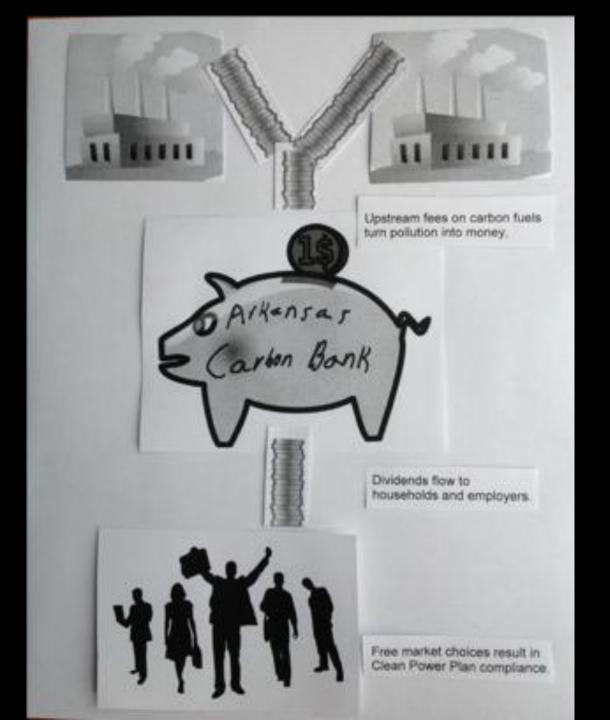
A Climate Change Solution That Bridges the Partisan Divide

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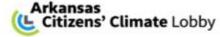
#### The Economic, Demographic, Fiscal, and Emissions Implications of a Carbon Fee in Arkansas

#### Prepared By

Regional Economic Models, Inc. (REMI) Washington, DC

#### Prepared For

Citizens' Climate Lobby, Arkansas Chapter (CCL) Fayetteville, AR



#### Scott Nystrom, M.A.

Senior Economic Associate/Project Manager

1717 K St. NW Suite 900 Washington, DC 20006 (202) 716-1397 <scott.nystrom@remi.com>

Growing Arkansas's Economy & Stimulating Clean Energy Innovation and Investment

Friday, October 9, 2015

## Carbon Pricing

#### Carbon Fees

- Creates revenue to fuel transition
- Avoids complexity of creating new markets
- Faster Reduction in Emissions

## AR CCL's Carbon Fee and Dividend

Two Options

#### FEE

- EGU's only
- EGU's + liquid & gaseous fuel

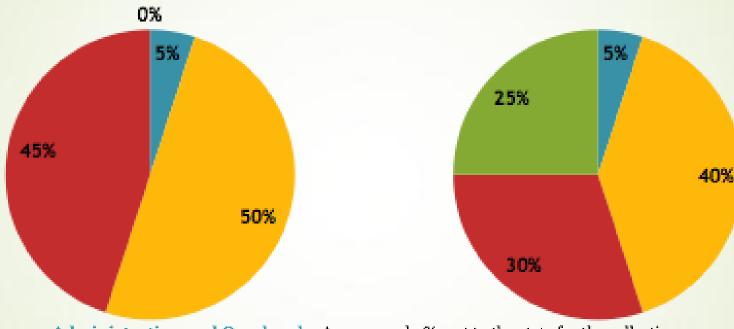
#### DIVIDEND

- Families & Employers
- Families, Employers, EE

## Fee Coverage

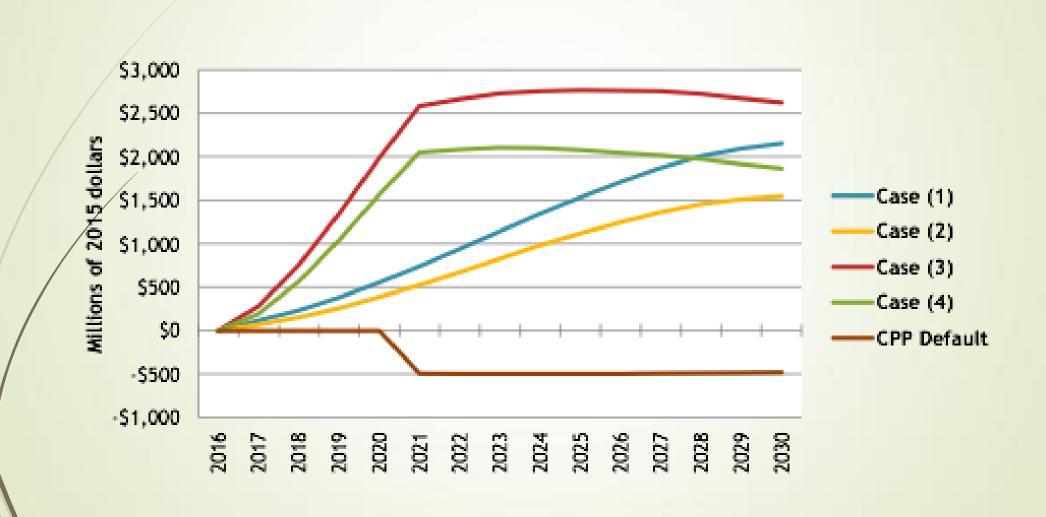
	F&D	EE
CCL	Case (1)	Case (2)
CPP	Case (3)	Case (4)

## Arkansas Carbon Bank Payment Options

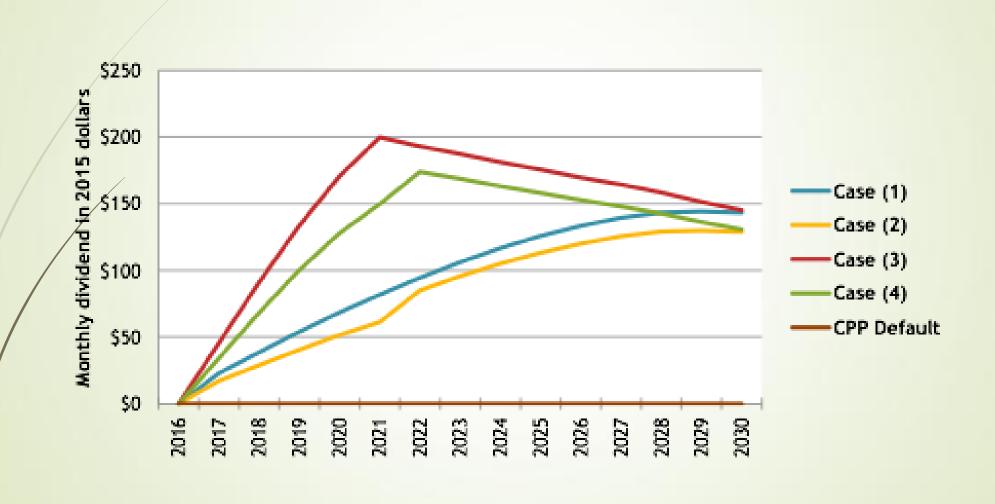


- Administration and Overhead An assumed 5% cost to the state for the collection
  of the fee and the redistribution of the funds back into the state economy
- Rebates to Households Monthly checks or direct deposits to individuals and households in Arkansas to rebate revenues back to the public
- Rebates to Employers Similar to the rebate to households though paid to employers
  in the state (either public sector or private sector, nonprofit and for profit alike) either as
  a monthly rebate check or through the state tax system
- Energy Efficiency Programs Funds appropriated by the state towards various energy efficiency programs to further reduce energy demand and emissions

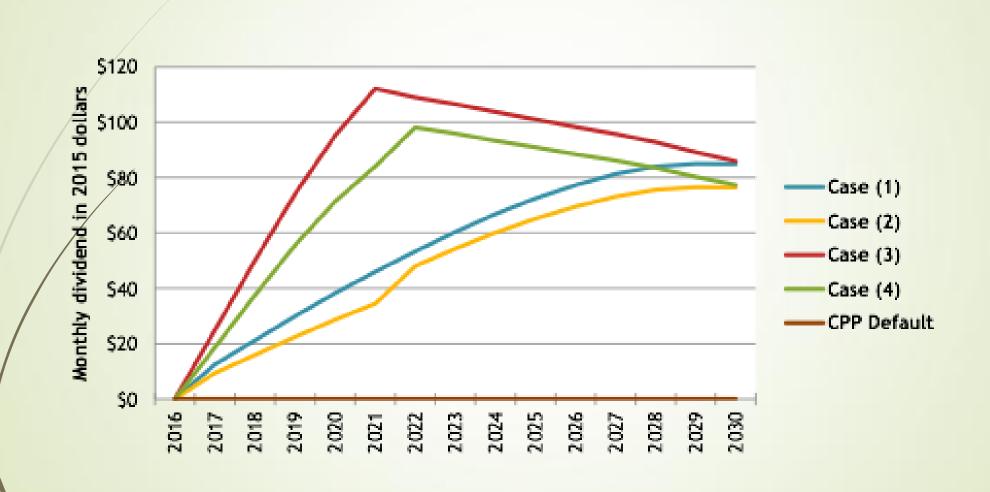
## Real Disposable Income



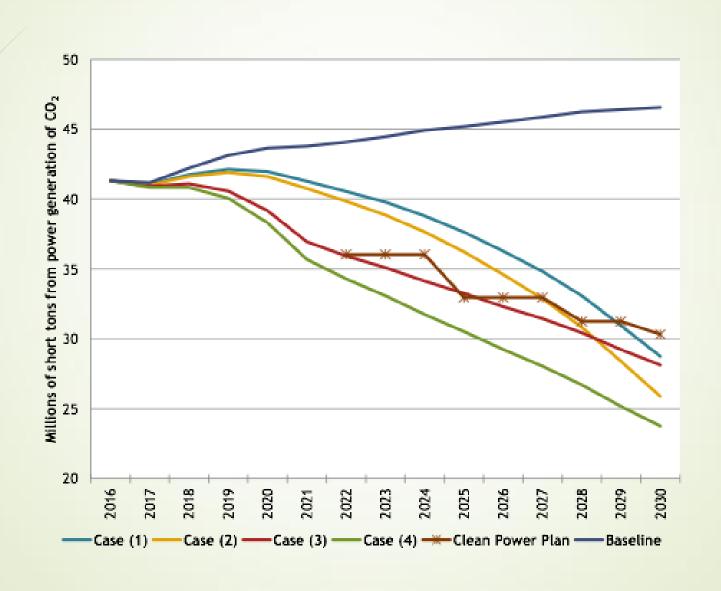
### Household Rebate



## Employer Rebate



## Projected CO<sub>2</sub> Reductions



MAIN TAKE AWAYS

#### **Economic**

- 20,000 to 30,000 additional jobs over the baseline scenario
- Increased GSP and real disposable personal income (RDPI)

#### **Emissions**

- Reduction of 20 to 30 million metric tons per year total
- Power emissions approach or are below CPP regulations

#### **Budgetary**

- \$500 million to \$1 billion in the first year, \$4 billion long-term
- Monthly rebate to households and employers over \$200 per month

#### Demographic

- The long-term population of the state increases with fee
- Attracted by stronger labor market and availability of dividends

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### BUILDING THE POLITICAL WILL



Arkansas Citizens' Climate Lobby



## Endorsements Supporting Carbon Fee & Dividend

## **IMAGINE!**



## Morning News

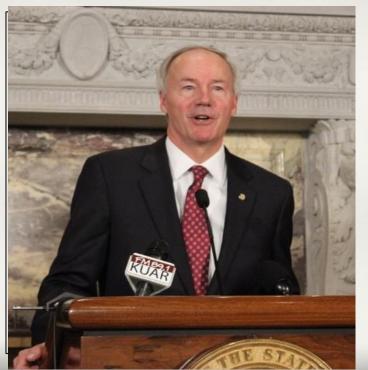


Vol. 1, No. 1 Gould, Arkansas

Saturday, November 21, 2015

## GOV. HUTCHINSON ANNOUNCES CREATION OF ARKANSAS CARBON BANK

Thousands of Jobs & Billions of Dollars Coming to Economy!



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#### ARKANSAS CITIZENS' CLIMATE LOBBY



#### THE POLITICAL WILL FOR A NATURAL STATE

The Arkansas chapters of Citizens' Climate Lobby are dedicated to the idea that addressing climate change can benefit both our economy and natural way of life. Keep reading to learn how AR can meet carbon emissions targets while adding thousands of jobs to our economy.

#### **CARBON FEE & DIVIDEND**



A pre-determined and steadily rising fee is placed on every ton of CO2 emitted, creating a market incentive to transition toward cleaner energy sources

That fee is then reinvested into the economy as a dividend to households, businesses, or as an investment in clean energy solutions.





Because this investment in lower CO2 emissions is recycled rather than extracted, the economy is free to grow. The results for Arkansans are huge:

- Thousands of net jobs added

- 2030 Clean Power Plan emissions targets met

- GDP growth that's faster than "business as usual"

- Reduced dependence on foreign oil

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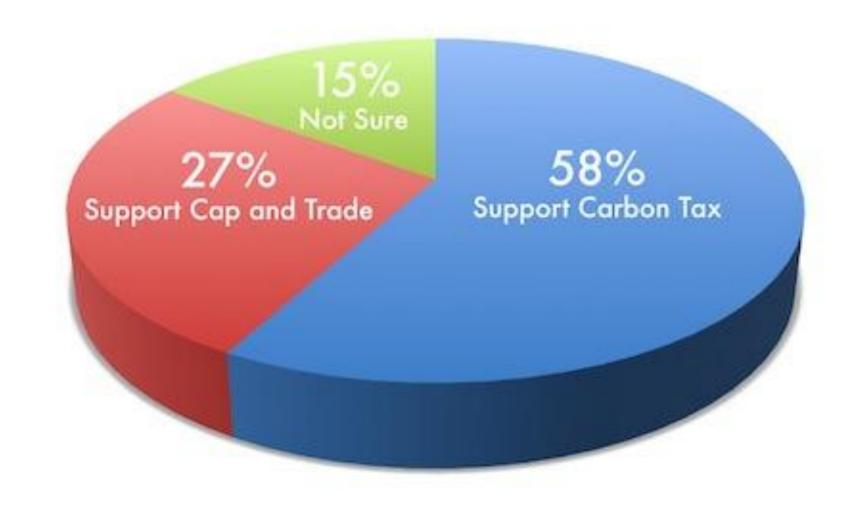


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## American Voters Support a Carbon Tax over Cap and Trade by a 2-1 Margin



Issue	Carbon 7	Tax	Hybrid	(Pure) Cap and	Trade
Minimize Administrative Costs	<b>√</b>	,			
Avoid Price Volatility	$\checkmark$		<b>√</b> *		
Address Uncertainty					
Weitzman issue (price vs. emissions uncertainty)	$\checkmark$		$\checkmark$		
Murray-Newell-Pizer issue (flexibility to respond to new			$\checkmark$	$\checkmark$	
information)	•		,		
Avoid Leakage from "Nested" Regulation			<b>√</b> *		
Avoid Wealth Transfers to Oil-Exporting Countries			<b>√</b> *		
Achieve Revenue-Neutrality, Promote Broader Tax Reform				•	
Achieve Linkages across Jurisdictions			?	?	
Achieve Benefits from Broad Sectoral Coverage			?	?	
Achieve Greater Political Support			?	?	,
* applicable when the price ceiling or floor is engaged					

Notes: Check marks indicate relative advantage; question marks indicate that the relative advantage is uncertain.

## Thank You! Arkansas Citizens Climate Lobby

- Chris Balos
- Nancy Brown
- Shelley Buonaiuto
- Robert McAfee
- Lay Vongnarath

CONTACT: info@arkccl.org

AR CCL is a project with the OMNI Center for Peace, Justice & Ecology Fayetteville, Arkansas