

DOUGLAS COUNTY

# GLOBAL WARMING COALITION

WINTER 2022



## MISSION STATEMENT: DOUGLAS COUNTY GLOBAL WARMING COALITION

A catalyst for:

Promoting a healthy climate for our community and future generations.

Identifying and sharing solutions through awareness, advocacy and collaboration.

## 26 YEARS OF BLAH, BLAH, BLAH

Sign at the Climate Summit Protest

**“No blah, blah, blah!”**

Captain Kirk from the Star Trek episode ‘Miri.’

### COP 26: THE CLIMATE SUMMIT CLIMATE COP OR COP OUT?

When 200 nations met this fall for the climate summit in Glasgow, scientists warned we needed decisive action to keep the global temperature increase to no more than 1.5 degrees Celsius. But instead of a full cup of climate action from the Summit, we are left with nothing more than this question:

*Was The Glasgow Half Empty Or Half Full?*

The failure to act on the gravity of the moment is like the joke about the man who finds a dry cleaning ticket for a suit he dropped off ten years earlier. He goes to the store and says, “I know this is strange, but you wouldn’t still have my suit?” The store owner disappears and returns an hour later. “You won’t believe this but your suit is still back there.” The man replies, “Great! May I have it” The store owner says, “It will be ready Tuesday.”

*Was The Glasgow Half Empty Or Half Full?*

Instead of 1.5 degrees Celsius, the pledges for emissions reductions will result in a temperature increase between 2.4 and 2.7 degrees. The big polluters were told to come back next year with better pledges.

They’ll start reducing their emissions Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

India defended their “responsible use of fos-

**CALENDAR**

**DOUGLAS COUNTY GLOBAL WARMING COALITION PRESENTS CLIMATE CHANGE AND THE FUTURE OF FOOD**  
Zoom Forum — Spring, 2022  
Date and Time TBA

**DOUGLAS COUNTY GLOBAL WARMING COALITION PRESENTS THE OREGON CLIMATE ACTION PLAN: WHAT’S NEXT?**  
Zoom Forum, 2022 — Date and Time TBA

**DOUGLAS COUNTY TRANSPORTATION ELECTRIFICATION GROUP**  
Zoom meetings every 4th Thursday — 4 PM  
Information — 541-672-9819

sil fuels”, then pledged to reach zero emissions — 50 years from now., And China’s pledge — 40 years from now. The Pakistani representative noted no one there will be alive then. But don’t worry. They’ll get started on it Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

The language of the final agreement was changed from “phasing out” coal to “phasing down” coal. And they congratulated themselves for using the words ‘fossil fuels’ for the first time in 26 years. Forty countries did agree to phase out coal. Who did not? The major coal producers — China, India, Australia and, of course, the United States. That’s okay. They’ll get around to it on Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

The countries pledged to end deforestation by 2030. But Indonesia, home to the world’s third largest rainforest, declared that to do so at the expense of economic development is unfair and inappropriate. Besides, deforestation can continue under the agreement for nine years. In other words, they’ll get around to it next Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

Over 100 countries pledged to reduce methane emissions 30% by 2030. Unfortunately, this did not include half the major emitters. They’ll join in the pledge next

Cont’d on Page 2 ►

# PROMOTE GLOBAL COOLING

Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

China and the United States agreed to jointly work to combat climate change. But it was short on specifics and had no timetables. No doubt the details of the Agreement will be forthcoming next Tuesday.

*Was The Glasgow Half Empty Or Half Full?*

How, then, do we evaluate the accomplishments of the COP 26 Climate Summit? Faced with a coming climate catastrophe, we can simply say their cup runneth over. Not from climate actions that rose to the occasion but the certainty of rising seas that threaten us all.

## JUST WHAT HAVE YOU BEEN UP TO?

**Advocating For A Cool, Clear, Order:** The Coalition joined with State Allies to continue testifying in favor of State Agency rules that strictly followed the Governor's Executive Order to substantially reduce climate pollution (*see article inside*).

**For The Love Of EV:** The Coalition Transportation Electrification Group expanded its effort to promote electric vehicle use in Douglas County (*see article inside*).

**Bio-Char You Don't Have To Buy:** The Coalition continued to distribute free carbon sequestering bio-char to school and community gardens.

## JUST WHAT WILL YOU BE UP TO?

**Looking Over Rules So They Are Not Overruled:** The State Agencies have been charged with coming up with rules to carry out the Executive Order on Climate Change by early 2022. The Coalition, along with our State Allies, will be there to ensure they are fully carried out.

**There's No Tilling Where This Forum Will Lead:** The Coalition will be planning a Zoom forum on the Future of Food In A Changing Climate, exploring the best way to grow and distribute food in a warming world.

**A Recap On OCAP:** Everything you wanted to know about the Oregon Climate Action Plan (OCAP) that the Governor ordered, you need not be afraid to ask at our planned Zoom presentation.

**Ad To Your Knowledge On Fighting Climate Change:** The Coalition will be running a series of informational ads in the News-Review on what individual actions people can take to reduce their carbon footprint.

## Ask Doctor Cool!\* An advice column for the warm-weary.



Dear Dr. Cool,

*As one of the Uber-Allies, I am outraged California is requiring 90% of all ride-hailing cars be electric by 2030. Uber and Lyft are rightfully demanding taxpayers foot the bill for the cost of doing this. Electric Vehicles? Given the recent past, our outrage will come from outages. Besides, why pick on ride-hailing companies? Listen to their suggestion they reduce congestion resulting in diminution of pollution. To me, Lyft is swift and Uber is super. Dr. Cool, surely you agree.*

Signed,

*Van Hailing*

*100 Freeway Lane Apartment I-5*

*Hailena, Montana*

Dear Van,

Lyft's no gift and Uber's a loser. It's time to say 'Hail and Farewell' to ride hailing. Reducing congestion? Because of Uber and Lyft, urban areas have seen more congestion than an ear, nose and throat doctor. Public transit and carpooling are down. And if you're driving in San Francisco, it sure is where you're tearing out your hair from bottlenecks. As for climate pollution, research from the Carnegie Mellon Institute showed their non-passenger driving time increased fuel consumption and greenhouse gas emissions 20%. Let me put it the way the Beatles may have said it:

*Uber-dee, Uber-dah, Lyft goes on, Nah!  
Hailing rides are just plain wrong  
Uber-dee, Uber-dah, Lyft goes on, Nah!  
Warming if we ride along  
Every couple of years we have burned our own  
sweet homes  
We're living our fears, making it so hard  
To listen to their lies that drone  
(Ha! Ha! Ha! Ha!)  
So if you're going over to the market place  
Here's a way that you can take a stand  
When an Uber passes, you can make a face  
And you know you did your share to save the land  
Before the climate's gone  
Say Uber! Gee, Bye-Bye*

As for your Doctor Cool, like Leonard McCoy of Star Trek, I'm just an old country doctor that still makes house calls. I just won't be using Uber when I do.

WE HAVE THE CAPACITY TO EMAIL THE NEWSLETTER TO PEOPLE WHO PREFER IT  
PLEASE CONTACT: [dglobalwarming-coalition@gmail.com](mailto:dglobalwarming-coalition@gmail.com)

MENTION OUR NAME IN SHEBOYGAN  
And also the Coalition when you patronize  
any of our generous sponsors.

# EXECUTIVE ORDER UPDATE:

## LET GEORGE DO IT!

Oregon's Environmental Quality Commission is in charge of approving the rules the Department of Environmental Quality came up with to substantially reduce Oregon's climate pollution. When Commission Chair George read the 7,600 comments on the rules from the public, the majority of which came from climate activists, her reaction was the same as ours: The rules need to be more aggressive in reducing climate pollution, and simply requiring stationary sources to do the best they can was not acceptable. She also pointed out to them that our comments noted payment for offsets was inadequate at \$81 per ton.

Did the Department of Environmental Quality listen?

In a MAJOR VICTORY FOR THE CLIMATE, here is what they changed:

- ☺ The targets changed from a 45% reduction of emissions by 2035 to a 50% reduction and from an 80% reduction by 2050 to a 90% reduction.
- ☺ Stationary sources now also have a goal of 50% reduction by 2035.
- ☺ Payment for offsets has been increased from \$81 per ton to \$107 per ton.

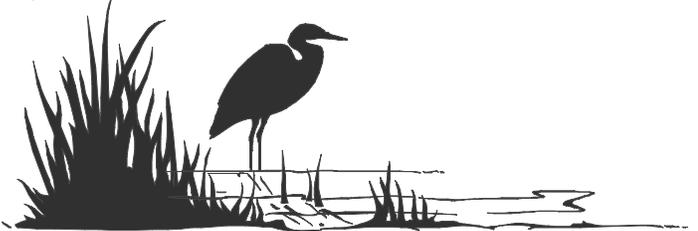
Thanks to all who made their voices heard so Oregon can do its share to save the planet.

## TRUCK IS TREAT

The Oregon Environmental Quality Commission adopted California's Clean Truck Rule for trucks, buses and vans. Beginning in 2025, 7-11% of all truck sales must be electric and this number increases over time. Currently, trucks represent 4% of all vehicles but account for 25% of transportation greenhouse gas emissions. By 2050, the rule will reduce emissions by 50 million tons and, along with an adopted nitrous oxide rule, there will be over 21 billion dollars in health and economic savings.



When the Oregon Department of Environmental Quality solicited comments on their rules to reduce climate pollution, it was clear their recommendations were falling well short of what science demands. Over 7,600 comments were received, 70% of which expressed this concern. Many thanks to the Coalition members who responded and made their voices heard. It's what fighting for the climate is all about.



## EVEN AN APPLE A DAY WON'T HELP

The Oregon Health Authority will release its updated annual report on health impacts of climate change in Oregon. The report, to be released in January, covers both physical and mental health.

## AND HERE I THOUGHT THE DRAFT WAS OVER

Oregon's Occupational Safety And Health Administration has released its final draft of rules to protect workers from heat and wildfire smoke. The 45 day comment period has begun with two public hearings scheduled.

## GOOD THINGS COME IN TREES

The Oregon Department Of Forestry approved their first ever Climate Change and Carbon Plan. This included:

- ☺ Incorporating climate change into the Forest Management Process.
- ☺ Longer logging rotations.
- ☺ Incentivizing climate smart practices for private landowners.

## A REQUESTER FOR SEQUESTER

The Oregon Global Warming Commission proposed carbon sequestration goals for forests, agricultural lands and wetlands — 5 million metric tons of CO<sub>2</sub> by 2030 and 9.5 million metric tons by 2050. According to the EPA, carbon sequestration nationwide reduced emissions 12% in 2019 with a potential to double that figure.

## REBATE AND SWITCH

Legislation passed in 2021 increased subsidies for electric vehicles. The Department of Environmental Quality will release draft rules in January and permanent rules in March. Higher subsidies are available for low income households as well as the organizations that serve them.



## DRACULA PULLS UP STAKES

Like Vampires, the developers of the Jordan Cove Pipeline descended on Douglas County prepared to suck the life out of our community. For years, environmentalists and landowners fought them — for they were the ones who had a real stake in the community. After the D.C. Court of Appeals asked the Federal Energy Regulatory Commission to freeze certification, these vampires packed up their bags and went home to Transylvania. These vampire-like developers have long been a pain in the neck and the wolfbane of our community. Hopefully, now this is the final nail in the coffin.





# VOICES FROM GLASGOW IS ANYBODY LISTENING?

- ↪ “Our fragile planet is hanging by a thread. We are still knocking on the door of climate catastrophe.” *UN Secretary General Antonio Guterres*
- ↪ “How many more of these should they hold till they realize their inactions are destroying the planet?” *Vanessa Nakate, Ugandan climate activist*
- ↪ “1.5 degrees is what we need to survive. Two degrees is a death sentence.” *Mia Mottley, Prime Minister of Barbados on behalf of the Island Nations*
- ↪ “Weasel Words.” *Climate activist Catherine Abrea describing some of the language in the Agreement*
- ↪ “Our response to climate change should not depend on whether our domestic response would get us elected.” *Seve Paeniu, representative from the Island Nation of Tuvalu*
- ↪ “Fossil fuel subsidies are the definition of insanity.” *John Kerry, U.S. representative*
- ↪ “Lots of people are losing their lives. They are losing their future and someone has to be responsible.” *A.K. Abdul Momen, Bangladesh foreign minister*
- ↪ “It’s time for rich nations to start to pay their debt to the developing nations around the world. It is no longer any excuse for not doing so.” *Nicola Sturgeon, Prime Minister of Scotland after pledging two million dollars to these countries to help on climate change*
- ↪ “We are leaving the COP with everybody more than a little unhappy.” *Simonette Sommaruga, Swiss representative*
- ↪ “There is a lot of trauma, people who don’t have access to water, people affected by natural disaster, and we cannot bear it any more. We wonder if anyone is listening at all.” *Makoma Lekalakala, South African delegate.*



## NERO WOULD BE PROUD

So what happened to the Earth since the first climate talks in Kyoto in 1992?

- ☞ The Earth has warmed more in that time than in the previous 110 years, breaking the global temperature records eight times.
- ☞ 36 trillion tons of ice lost, with enough sea level rise to cover the United States to a depth of 11 feet.
- ☞ 281,000 climate caused heat deaths.
- ☞ Nearly 8,000 climate, water and weather disasters killing 563,735.

What’s that sound you heard at the end of the Glasgow climate summit?  
A symphony of fiddles.



## THE SASQUATCH CARBON FOOTPRINT AWARD

As we look back on 2021, what better time to put a spotlight on the person doing the most to worsen the climate crisis. Our eleventh annual Sasquatch Award goes to the man most worthy of dishonorable Manchin — The Manchin on the Hill — A hill not too steep for Sasquatch to climb and shake the hand of that Senator from West Virginia — Joe Manchin. A man who single handedly killed the Climate Energy Payment Plan in Joe Biden’s Build Back Better Bill — a climate plan that would have reduced emissions by 1/3 of the 50% reduction target by 2030, and then opposed the bill altogether. A plan that would have moved us away from coal and natural gas.

Now why would Senator Manchin oppose moving away from coal?

- ☞ Surely not because he earned half a million dollars from coal production — allowing Manchin to live in a mansion.
- ☞ Surely not because he took in \$400,000 over the last several months in campaign contributions from fossil fuel interests.
- ☞ Surely not because he received campaign contributions from Executives from Conoco Phillips and other fossil fuel interests.

He did, however, vote for the bipartisan infrastructure bill. Why? Because part of that money is going to the Appalachian Regional Commission which, coincidentally, is led by his wife.

Poor Sasquatch! He was so confused when he thought the fox was guarding the hen house. In reality, it was just Senator Manchin, as the Chair of the Senate Energy and Natural Resources Committee in charge of writing climate legislation.

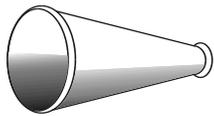
So if you are a well-dressed Senator from West Virginia — Remember — The coal clothes make the man and he offers no apologies — for they soot him just fine.

screen  
printing  
embroidery  
sublimation  
water-based  
organics  
Full color DTG  
graphic design

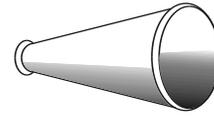


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# LEGISLATIVE AND ADVOCACY UPDATE



## **ON THE INTERNATIONAL LEVEL**

### **TO STOP RISING SEAS, NO COAL OVERSEAS**

China announced it will stop building coal plants overseas and instead support the development of green energy. Japan and South Korea made similar pledges. These are significant pledges since coal burning is estimated to rise 4.5% globally in 2021.

### **BUT WHAT HAPPENS IN CHINA**

#### **DOESN'T STAY IN CHINA**

Last year, China's net construction for coal power grew by nearly 30 gigawatts, more than offsetting the rest of the world's decline of just over 17 gigawatts. Worse still, an additional 247 gigawatts from coal are planned, six times Germany's coal power capacity. Ironically, China is also developing wind and solar power faster than any country.

### **AN ASSIGNMENT FOR CHARLIE MCCARTHY**

Actually, it's the Ferry Godmother behind the effort of Bergen, Norway to electrify its public ferries. Historically, a city that has embraced oil and gas, its buses and trains are electric and taxis will be all electric in three years.

### **ROLL ON, COLOMBIA**

That's what electric buses do in Bogata, Colombia — all 500 of them. And another 1000 will be added next year. Not satisfied with fighting climate change that way, the Mayor is proposing an additional 175 miles of bike lanes.

### **FIGHTING CLIMATE CHANGE IS ALL GAS WORK**

With one-fifth of its energy consumption coming from natural gas, Europe is committed to reducing its reliance by 1/3 over 2015 levels over the next ten years. Nevertheless, Britain is increasing its natural gas reserves on the North Sea over the protests of climate activists. Spain, however is committed to a faster shift to renewables.

### **FOSSIL FUEL FREEZE FIZZLES**

A U.N. study of 15 major fossil fuel producing countries reported their plans for oil, coal and gas over the next ten years are twice the level needed to keep temperatures at 1.5 degrees Celsius. The ugly figures for these countries which include the United States, Russia, Canada and China, are as follows: 240% more coal, 57% more oil and 71% more natural gas above the 1.5 degrees target.

### **PROMISE THEM ANYTHING**

#### **BUT DON'T TURN THE PAGE**

Australia promises zero emissions by 2050. But the reality is this: They are the world's largest coal exporter. This year, they approved or put under review,

23 new coal mining projects. Five new gas fields are also planned. The Prime Minister vowed that his climate plan would protect fossil fuel jobs and simply rely on new technology — something critics called magical thinking.

## **ON THE NATIONAL LEVEL**

### **DON'T YOU KNOW IT'S THE WATER**

The Federal Emergency Management Agency (FEMA) which runs the National Flood Insurance Program, which insures 3.4 million homes, is adjusting its rates to reflect the risks of climate change. These coastal homes will see increases each year until their premiums reflect actual risks. In the first year alone, most homes will see an increase of \$120 while some will see increases up to \$1,200.

### **KEEPING COLD SHOULDN'T MAKE US HOT**

The Biden Administration ordered 85% of HFC's phased out over the next 15 years. HFC, a powerful heat trapping gas is used in air conditioners and refrigerators. The HFC rule will eliminate the equivalent of 4.5 billion tons of CO<sub>2</sub> by 2050.

### **ON CLIMATE, BETTER LOOK**

#### **BEFORE YOU NEPA**

The National Environmental Policy Act (NEPA) requires an environmental assessment before issuing permits for pipelines and highways. Donald Trump eliminated climate change as a consideration. The Biden Administration restored it.

### **YOU MEAN TRAINS CAN'T RIDE ON WATER?**

That's what the City Council of New York concluded after hurricane flooding decimated subway systems and homes. They passed legislation requiring a comprehensive climate plan to protect every city neighborhood from rising seas, extreme heat and floods from hurricanes.

### **ALL ASHORE THAT'S GOING OFFSHORE**

The Biden Administration announced plans for seven offshore wind farms along the East and West Coasts. It is part of a plan to develop 20 gigawatts of offshore wind by 2030, enough to power 10 million homes. An additional 25 gigawatts of onshore wind is planned over the next five years.

### **COURTING DISASTER**

In an ominous sign, the Supreme Court agreed to hear an appeal by coal companies and Republican led states to limit the Environmental Protection Agency's power to limit carbon emissions under the Clean Air Act. Harvard professor, Richard Lazarus, stated: "This is the equivalent of an earthquake around the country for those who care deeply about the climate issue."

**A DIFFERENT MAN OF STEEL**

Joe Biden is working with the European Union to use tariffs to encourage the trade of products with steel that has fewer carbon emissions. A finalized plan is not expected until 2024.

**CALIFORNIA DECIDES TO GREEN AND BEAR IT**

State regulators updated building codes for new homes and commercial buildings to require solar panels, batteries and the wiring needed to switch from natural gas to electric heat pumps. It is estimated this will increase the cost of a new home by 2 ½ %.



☀ **Not Everything Is Coming Up Rosario:** One of the 125 cities along the Parana River, Rosario is suffering from a severe drought. The river's reduced flow has left these cities scrambling for fresh water. The cause: Rain patterns altered by a warming planet along with Amazon deforestation that disrupts the flow of humidity. This weakens the streams feeding the big rivers. Don't Cry For Me, Argentina? Tears, like the rivers, are drying up. *(New York Times, 9/5/21)*

☀ **The Rain's Insane. It's Plain What Is To Blame:** This summer, for the first time above the frigid high point of the Greenland ice sheet — It rained. Above freezing temperatures have occurred only six times in the last ten years. One researcher described the occurrence of rain in one word: "Worrisome." *(New York Times, 8/21/21)*

☀ **That's Okay. We Can Always Get Water From The Moon:** The United Nations Weather Agency reported 25% of all cities world wide are experiencing water shortages. And since 2000, drought related disasters have risen 29%. To make matters worse, by 2030, 107 countries will not be able to sustainably manage their water supplies. By 2050, the number of people with inadequate access to water will rise from 3.6 billion to 4.5 billion. And yes, there is water on the moon. All we need is a 240,000 mile long pipeline. *(New York Times, 10/6/21)*

☀ **You Can't Blame Doctor McCoy For This:** Just because the actor who played Star Trek's Doctor McCoy was named DeForest Kelly doesn't mean he was responsible for the following: The World Resources Institute reported the loss of primary old growth last year rose 12% over 2019. That loss added twice as much CO<sub>2</sub> as emitted by all the cars in the United States over a year. *(New York Times, 11/3/21)*

☀ **With Climate Change, Who Needs Jurassic Park?:** The World Meteorological Organization reported we have reached the highest CO<sub>2</sub> levels

in three million years — 149% higher than pre-industrial levels. As a consequence, the globe is heating up at a faster rate than over the previous decade. *(News report from CNN)*

☀ **Recycling In Japan Covers It All From Top To Bottom:** With an aging population, Japan has seen a 13% increase in adult diapers or 1.5 million tons annually. And the number is projected to increase 23% by 2030. Burning them in an incinerator creates significant carbon emissions. The solution: Recycling them into fuel pellets that create fewer emissions. Another solution: Mix them with cement for asphalt. And finally, recycle them into other diapers. *(New York Times, 11/16/21)*

☀ **That's The Second Biggest Water Line I've Seen:** That's what we would see if we transported water from the Northwest to the Southwest. While the climate pattern La Nina has temporarily relieved drought conditions here, the Southwest continues its two decades long drought. And forecasts indicate the Southern Plains will soon join them. Another reminder we should GET SMART and address climate change. *(New York Times, 10/22/21)*

☀ **I Guess They Couldn't Find A Boy With Larger Fingers:** Like the rest of Europe, the Dutch have experienced climate induced flooding. But instead of relying on dikes, they have adopted the strategy of directing waters into natural flood plains and catch basins. As a result, levels in parts of one of their rivers actually dropped during the flooding. *(New York Times, 9/8/21)*

☀ **Lucid If You Drive Costs Diamonds:** Lucid Motors has produced an electric car that travels the farthest on a single charge — 520 miles. Named Motor Trends Car Of The Year, it does so through superior aerodynamics and efficient parts. However, for the privilege, it costs a mere \$169,000. The company promises to lower the price to \$70,000. *(New York Times, 9/17/21)*

# THE DOUGLAS COUNTY TRANSPORTATION ELECTRIFICATION GROUP STEPS ON THE GAS TO STOP ALL THE GAS

Meeting by Zoom on a monthly basis, our Transportation Electrification group continues to move forward promoting and expanding the use of electric vehicles in our community. Some examples:

- 🌳 With the help of a technical assistance grant from Pacific Power, the non-profit ADAPT is exploring ways to start electrifying its fleet.
- 🌳 Roseburg Disposal has applied for a grant through Electrify America to purchase two electric garbage trucks. If approved, these will be the first in the State.
- 🌳 Umpqua Transit has put in a grant application for three electric buses through the Oregon Department of Transportation.

So if you would like to know the reason for our progress thus far, much credit goes to one man — We'll describe him to the tune of the old rock song 'Alley Oop'

*There's a man living in our County you should know*

*(EV Oop Oop Oop Oop Oop)*

*No CO<sub>2</sub> is found wherever he go*

*(EV Oop Oop Oop Oop Oop)*

*He's the secret brains behind our TE group*

*(EV Oop Oop Oop Oop Oop)*

*And this cat's name is EV Oop*

*(EV Oop Oop Oop Oop Oop)*

*No oil will be gotten from his dinosaur*

*(EV Oop Oop Oop Oop Oop)*

*No greenhouse gases like we had before*

*(EV Oop Oop Oop Oop Oop)*

*Ford, Hyundai, Tesla EV's they all seem fair*

*(EV Oop Oop Oop Oop Oop)*

*As long as electrons get you here to there*

*(EV Oop Oop Oop Oop Oop)*

*EV Oop — He's the coolest cat there is alive*

*EV Oop — No gas guzzling cars he'll drive*

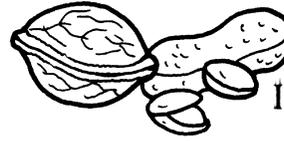
*EV Oop — It's the way our planet survive*

*Look at that E- Man go!*

If you would like to be part of this effort and meet this cool cat, contact 541-672-9819.



## THE HISTORY OF BIOCHAR



IN A NUTSHELL  
by Scott McKain

Originally all people were hunter-gatherers. It took a large amount of land to support this existence. They lived in small bands moving when the land could no longer support them. As people came to occupy much of the planet the future of their societies was determined by their ability to develop agriculture or to remain mostly hunter-gatherers. The soil's ability to grow a large amount of calories that people could digest was a major factor.

The first people of western Oregon were hunter-gatherers. Hunting and fishing was more effective at keeping people fed than trying to grow poor crops on the leached, acidic soil. They were not aware that their cousins along the Amazon River in South America had discovered a method to transform similar leached soil into productive agriculture. They would use charcoal, a waste product of pit firing pottery, as a soil amendment. When combined with other wastes it would resist nutrient leaching and allow fertility to build. The charcoal, now known as biochar, is sequestered carbon after thousands of years.

Today there is agriculture west of the Cascades. It depends on mineral imports from somewhere else. They are applied as they are leached. Biochar is key in breaking that cycle and improving food sufficiency in western Oregon.

My garden is my laboratory. I test practices and accept or reject accordingly. Twelve years ago I began making and using biochar, stopped tillage and began getting an annual detailed soil test. Mineral nutrients are adjusted as needed. More nutrition with less work is a successful result.

It should be noted that pyrolyzed nutshells make an excellent biochar.

## THAT'S OLD NEWS: NOTHING BAD HAS HAPPENED LATELY

A UN report on the health impacts of climate change noted the following:

In 2019, in the United States:

- ☠ Heat related deaths for people 65 and older hit a record high of 345,000 — 81% higher than the 2000-2005 average.
- ☠ 1.1 million people died from fossil fuel pollution. And in 2020, in any given month, up to 19% of the Earth was in extreme drought. By way of comparison, no more than 13% of the planet was in extreme drought between 1950 and 1999. And the highest five years have occurred in the last five years.



# JUST SAY "NO! NO! NO!"

When Congress held a six hour hearing on the past climate denial lobbying of oil companies, their denial of their climate denial was on full display. Exxon, Shell, Chevron and BP refused to agree to stop their anticlimatic lobbying or reduce their emissions. Instead, their commitment is to follow the money. In this case, in the six years since the Paris Agreement, banks have given four trillion dollars to fossil fuel companies. So, in case they didn't get the message at the hearing, here is the message from the Coalition.

In the 1960's, there was an anti-drug song called the "No, No, No" song. Fittingly, we are addicted to fossil fuels, so a slight revision of the song is in order.

*I met a friendly man from Kentucky Way  
He said he did not think I understand  
He said he's got a little dirty coal, you see  
And think of all the jobs throughout the land  
But I said "No, No, No, No, we don't burn  
it no more*

*Climate change we just can't ignore  
No thank you please, it only makes me  
wheeze  
So take your coal and please don't slam  
the door."*

*I met a friendly man from Avista Way  
He said he did not think I understand  
He said renew our gas is so easy, you see  
As long as there is trash throughout the land  
But I said "No, No, No, No, we don't need  
that no more*

*Methane's worse than carbon, that's for sure  
No thank you, please, it gives us rising seas  
So take your gas and please don't slam  
the door."*

*I met a friendly man from Exxon Way  
He said he did not think I understand  
He said he's got a lot of slicky oil, you see  
To keep the highways jammed throughout  
the land  
But I said "No, No, No, No, we don't breathe  
that no more*

*We're pushing all our brakes to the floor  
No thank you, please, we only drive EV's  
So take your oil and please don't slam  
the door."*

*Yes, we say, "No, No, No, No, we don't use  
them no more*

*These fossil fuels we all do abhor  
No thank you, please, here's what's the  
bees knees*

*A future carbon free forever more."*

# THE WISH GOES FARTHER THAN THE THOUGHT

In light of the passage of the infrastructure bill, the statewide Clean and Just Transportation Network, of which the Coalition is a part, has put out a funding wish list. It has been sent to the Oregon Department of Transportation and here are some of the many ideas that have been forwarded:

- ⚡ Funding and incentives for electrifying buses, medium and heavy duty vehicles and agricultural use.
- ⚡ Funding to support education and outreach on electric vehicles to low income and underserved communities.
- ⚡ With the number of charging stations needed requiring a five fold increase, funding for this infrastructure should include the West Coast Electric Highway, workforce charging, low income and rural communities and medium and heavy duty vehicles.

To make this wish list happen, we don't need a magic lamp, just dedicated and committed advocates.

## WHAT HAPPENED TO A POUND OF CURE?



The bi-partisan infrastructure bill didn't buy much on fighting climate change. To quote Senator Sheldon Whitehouse of Rhode Island:

"There's a lot of good stuff in the infrastructure bill to help prepare for climate upheaval but that package does little to prevent climate upheaval."

Senator Whitehouse was right. The overwhelming majority of the funds from the recently passed Federal infrastructure bill is devoted to roads, bridges, highways and airports.

The State of Oregon has received its share of the money and approximately 1/3 or \$400 million is 'flexible' money. The Oregon Transportation Commission will decide where the money is going. The comment period is NOW! Please join the Coalition and let them know that, because of the climate crisis, all of this money should go to projects that reduce climate pollution. These include more electric vehicle charging stations, public transit, biking and walking.

Address your comments to the Oregon Transportation Commission, Commission Assistant.

By email: [otcadmin@odot.oregon.gov](mailto:otcadmin@odot.oregon.gov)

By mail: ODOT  
355 Capitol Street NE  
MS 11  
Salem, Oregon 94301

It may not be a pound of cure but it will get us several ounces.

# TIME TO WEIGH IN ON GLOBAL WARMING



Each of us produces 17 tons of carbon dioxide annually and it's time to slim down.

## TODAY'S COALITION DIET TIP

There is no one shingle thing a person can do to lower emissions. But many shingles on your roof can make a difference — particularly if it's a cool roof. New York City's 'NYC Cool Roofs Project' has taken the fight on climate change to new heights. A white paint called Elasto-Kool 1000 can actually reflect rather than absorb heat. By lightening your roof this way, air conditioning costs can be lowered 10-30%, as well as reducing the amount of greenhouse gas emissions released into the atmosphere.

Thus, this type of roofing will help us avoid the Eave of Destruction. As for the cost, the "cover" charge can be lowered with incentives. Check with the Portland-based non-profit 'The Cool Roof Rating Council' at [cool-roofs.org](http://cool-roofs.org). So when it comes to deciding whether to pursue this type of roof, no need to reflect any further. Just follow the advice of Elmer Fudd and do what is white. Or as country singer Merle Haggard told us, "White lightening is the biggest thrill of all."

# WHERE THERE'S SOLAR ON THE ROOF, THERE'S NO FIRE IN THE FURNACE



So you want to be part of the Solar Revolution but can't afford it? Pacific Power is offering The Community Solar Program to its customers. For a subscription fee each month, you can buy into a solar project. The fee is based on your electric usage. But this piece of the action won't cost you a penny since regulations guarantee a return of 5% above what you pay. And if you are low or moderate income, the guarantee is even higher. Too good to be true? Check out the Community Solar Program at [oregoncsp.org](http://oregoncsp.org). Or call 1-800-481-0510. Or you can contact Oregon Shines which is developing community solar projects by late 2022 but is signing up people now. Their number is 503-207-2059. Hurry and sign up soon before the Sun novas 5 billion years from now. Or to paraphrase Yogi Berra: It ain't over till it novas.

# THE DIRTY DOZEN

In light of the failure of the Glasgow Climate summit, here is a way of identifying which countries have done the most to save the planet the least.

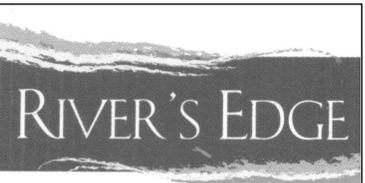
## TOP TWELVE CLIMATE POLLUTERS

By Total Yearly Emissions		By Per Capita Emissions	
1.	China	1.	Australia
2.	The United States	2.	The United States
3.	India	3.	Canada
4.	Russia	4.	Saudi Arabia
5.	Japan	5.	South Korea
6.	Brazil	6.	Russia
7.	Germany	7.	South Africa
8.	Canada	8.	Germany
9.	South Korea	9.	Japan
10.	Indonesia	10.	China
11.	Saudi Arabia	11.	Iran
12.	Australia	12.	United Kingdom

With World Governments subsidizing fossil fuels at a rate of \$11/minute:

	1960	2020
Tons per year of CO <sub>2</sub> from fossil fuels	10 billion tons	38 billion tons
CO <sub>2</sub> in the atmosphere as parts per million (PPM)	320 ppm	420 PPM

Bring back the Sixties? They say you can't go home again, but quite honestly, this planet is our only home.



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# A PITCH FOR THE PLANET

“The fact that you can just go wherever you like is just not sustainable. We just can’t keep adding carbon to the atmosphere and not offsetting it, and not set limits on curbing it in any industries and still searching every nook and cranny of the globe for fossil fuels.” Was this a statement from a climate activist like Bill McKibben? Or worse still, from a climate alarmist like Doctor Cool? No! It was said by Milwaukee Brewers



pitcher Bruce Suter. A former student of environmental science at Harvard, he is a member of “Players For The Planet.” Not only does he talk the talk, but he walks the walk — so much so, he should be awarded first base. Mr. Suter drives an electric car, has solar panels on his home and raises money to buy carbon offsets for sports travel. In this regard, he supports changing schedules so teams only travel regionally. He

has taken his message to the clubhouse noting, for example, baseball players wastefully use 300,000 water bottles every day. Can these players change? “There’s going to be growing pains,” says Suter. “It’s just a matter of how severe we want those to be, because if we wait and wait, it’s just going to be borderline apocalyptic.”

In other words, it will be one, two, three strikes we’re out of the old climate game.

## CLIMATE CHANGE: WHEREVER YOU ARE, THERE IT IS

As a result, the Biden Administration ordered Federal Agencies to come up with plans to address what’s coming. Here are some of the challenges five of the agencies identified:

### THE DEPARTMENT OF AGRICULTURE: DIGGING OURSELVES INTO A HOLE

Challenges include changes in temperature and precipitation patterns, pests, disease, less pollination — all combining to reduce crops and livestock.

### THE DEPARTMENT OF TRANSPORTATION:

#### ASKING MORE FREQUENTLY: ARE WE THERE YET?

Getting around will be slower and more congested as heat degrades asphalt and makes it more expensive to build and maintain bridges. The heat will also force planes to fly shorter distances and carry less weight. Severe weather will flood tunnels and impair driver performance.

### HOMELAND SECURITY:

#### REMEMBER THOSE TEEMING MASSES?

Even more climate refugees, particularly from Mexico, Central and South America and the Caribbean.

## JUST THE FACTS MA’AM

Ever feel you miss information because of climate deniers’ misinformation?

**Myth:** Fewer parts to repair in electric vehicles means massive job losses in America.

**Fact:** You don’t have to pump me for more information to discover what is driving this misinformation. But we can steer clear of this bogus assertion. According to the Economic Policy Institute, electric vehicles will cost 75,000 jobs by 2030. If we do nothing. But a few simple steps can put this trend in reverse. For example:

- Roughly 75% of power trains for gas vehicles are made domestically while less than half are domestic for U.S. electric vehicles.
- Over half of our battery packs for electric vehicles are made overseas. Compare this to China where all their battery packs are produced in their country.
- Finally, increase the percentage of sales of U.S. made electric vehicles from 50% to 60%.

Add targeted subsidies to these simple domestic touches and job losses turn into job gains to the tune of 150,000.

Rather than going on the skids, electric vehicles can kick the auto industry into high gear.

### DEPARTMENT OF ENERGY: CLIMATE CHANGE IS IN OUR SITES

Half the sites have been analyzed thus far for vulnerability to extreme weather. This includes nuclear facilities and radioactive waste sites.

### DEPARTMENT OF DEFENSE: CLIMATE CHANGE LEAVES US UP IN ARMS

This will lead to new sources of conflict exacerbated by water shortages where troops are located. Military water requirements might compete with local water needs.

Now that we know some of the risks posed by climate change, I can’t imagine what can be done to address the problem.

**DO YOU THINK YOU CAN KEEP UP  
WITH THE COALITION?  
Here’s one way:  
Check out our Facebook Page**

# HOT SPOTS PART DEUX

- ☀ **A Peak Into The Future?:** According to the International Energy Agency, fossil fuel use is expected to peak in five years and slowly decline. How slowly? At the present rate, temperatures will reach 2.6 degrees Celsius by the end of the century, well above the 1.5 degree goal to avoid catastrophic climate change. *(New York Times, 10/13/21)*
- ☀ **A Den Of In-Equity:** Over the last ten years, the private equity industry has invested 1.1 trillion dollars in the energy sector — nearly 90% went to fossil fuels. Ludovic Phallipau, Professor of Financial Economics at the University of Oxford observed “Any private equity fund is obsessed with one thing and one thing only. How much money can we make?” *(New York Time, 10/14/21)*
- ☀ **This Can’t Be True! I Saw The Movie:** Mount Kilimanjaro is one of the last three remaining African glaciers which could disappear within twenty years. Accounting for just 4% of all global climate pollution, Africa suffered major climate displacement in 2020, including 1.2 million people in East Africa alone. *(UN report cited by the New York Times, 10/20/21)*
- ☀ **The McKinsey Report — And Not The One You’re Thinking Of:** No, it’s not the one describing the sex habits of Americans. The consulting firm, McKinsey and Company, has been advising clients who are polluters responsible for over one-third of global carbon emissions. More than 1,100 employees signed a protest letter stating in part: “The climate crisis is the defining issue of our generation. Our positive impact in other realms will mean nothing if we do not act as our clients alter the Earth irrevocably.” *(New York Times, 10/28/21)*
- ☀ **Coffee Growers Ground Down By Climate Change:** The effects of climate change — including rising temperatures, less predictable rainfall, droughts, flooding and pest infestation are threatening coffee farmers throughout the world. Exploration of new coffee strains and water conservation measures are key adaptation techniques. But before Yuban coffee, we might consider reducing climate pollution and overcoming climate denier

groups that are chock full of nuts. *(New York Times, 11/6/21)*

- ☀ **Missing Climate Targets — Ain’t That A Chain:** When corporations claim to be reducing their greenhouse gas emissions, they generally do not include emissions from their supply chains or waste from their products. In the case of Walmart, for example, 95% of its carbon emissions come from their supply chain. And Amazon noted a 15% increase in supply chain emissions in 2020. *(New York Times, 11/3/21)*
- ☀ **Flood Sweat and Fears:** After suffering from a record breaking temperature of 121 degrees this summer, British Columbia was met with historic flooding, displacing 17,000 residents. Professor Rachel White at the University of British Columbia noted: “These events were made worse because of climate change.” *(New York Time, 11/21/21)*
- ☀ **Forest Figures Don’t Lie But Fires Figure:** How does Russia intend to meet its climate goals? Simply by doubling its counting of carbon absorbed by forests. How so? By fighting forest fires and by using “modern mathematical models based on neural networks and artificial intelligence.” This permits them to convert cars to natural gas instead of electric and expand coal mining. To quote one climate activist, “They’ve learned to say the right words. We see deeds of an opposite character.” *(New York Times, 10/20/21)*
- ☀ **Climate Change Is Not For The Birds:** The birds of the Amazon have become smaller with longer wing spans. And the likely cause is global warming. There’s a strong correlation between heat and smaller bird size. As for the longer wing span, it is needed to cover the distance now needed to find food. *(The British Newspaper, The Guardian, 11/13/21)*



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