

20TH ANNIVERSARY EDITION!

DOUGLAS COUNTY

GLOBAL WARMING COALITION

WINTER 2023



**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.**

WHERE IS EVERYBODY?

“The good news is we have implemented policies that are significantly bringing down the projected global average temperature change. The bad news is even if temperature rise is limited to two degrees, the extremes might be what you have projected for four to five.”

Kathryn Hayhoe, climate scientist

When the great physicist Enrico Fermi looked up at the night sky, he wondered, with the trillions of stars, why we had not been contacted by Alien life. He proclaimed in despair “Where is everybody?”

At the most recent climate summit, COP 27, the United Nations reported we would be looking at a temperature rise of 2.1 to 2.9 degrees Celsius if everyone kept their climate pledges — which they are not. Thus, everyone was asked to increase their climate pledges to meet the target of 1.5 degrees — but few did. If anything, the results of COP 27 made matters worse (*see article inside*). As for the heads of State of the major polluters — only President Biden and British Prime Minister Sunak showed up. And then, only briefly. In light of the growing climate crisis, the question we need to ask is:

WHERE IS EVERYBODY?

A team of international scientists concluded if temperatures rise above 1.5 degrees, we will reach several irreversible tipping points: The collapse of the Greenland and West Antarctic ice sheets, abrupt thawing of Arctic permafrost and the death of coral reefs. This would guarantee a sea level rise measured in feet. At two degrees, mountain glaciers are lost and we see the collapse of the ocean current in the North Atlantic.

WHERE IS EVERYBODY?

Current climate promises would reduce emis-

CALENDAR

**UMPQUA TRANSPORTATION
ELECTRIFICATION TEAM PRESENTS
ELECTRIC VEHICLE DISPLAY — RIDE AND DRIVE**

Tentatively Scheduled: April, 2023
Earth Day Week

**LOBBYING FOR CLIMATE LEGISLATION
OREGON LEGISLATIVE SESSION**

Beginning February, 2023
Information: 541-672-9819

**UMPQUA TRANSPORTATION
ELECTRIFICATION TEAM**

Monthly Zoom Meetings
Fourth Thursday — 4 PM
Information: 541-672-9819

**UMPQUA WATERSHEDS PRESENTS
THE MLK RIVER CLEANUP**

Monday, January 16th
Information: jessica@umpquawatersheds.org

**UMPQUA WATERSHEDS PRESENTS
THE CRATER LAKE SNOWSHOE HIKE**

Saturday, February 11th
Reservation Required!
Call: 541-672-7065

sions 7% by 2030. Science tells us a 43% reduction is needed to keep the temperature rise at 1.5 degrees. The reality is world-wide emissions reached a record 36.6 billion tons in 2022. Meanwhile, China’s emissions increased 6% last year. They have added 200 gigawatts of coal over the last five years and are planning 200 gigawatts more.

WHERE IS EVERYBODY?

World Weather Attribution found this year’s droughts in China, North America and Europe were made twenty times more likely by global warming. This resulted in 19,000 excess deaths in France and Germany alone. At two degrees

Cont’d on Page 2 ►

PROMOTE GLOBAL COOLING

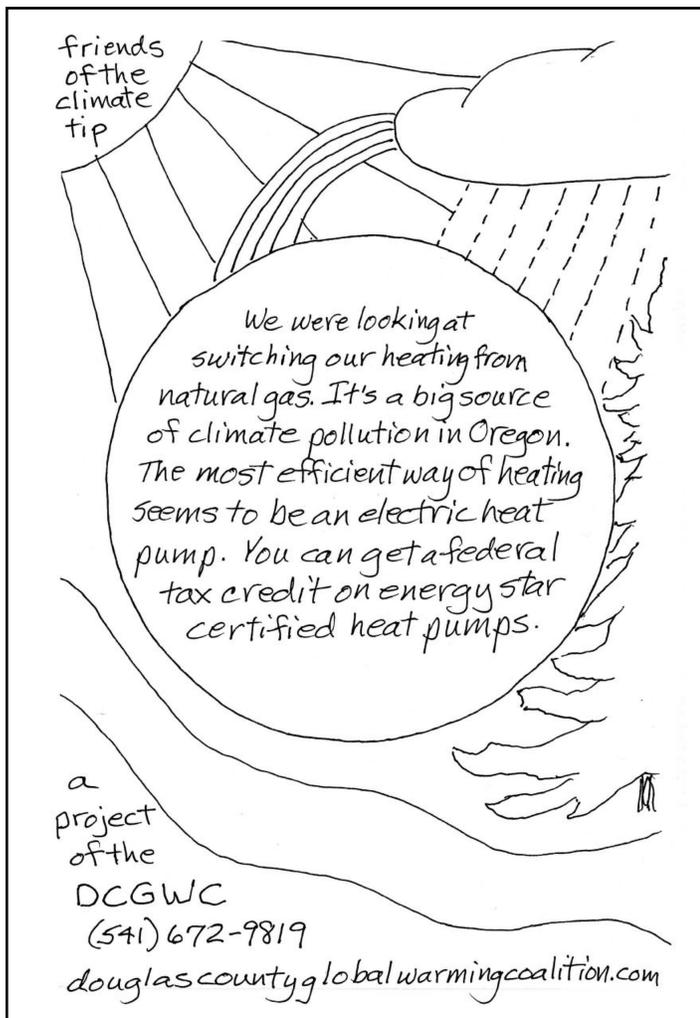
Celsius, the likelihood of droughts will increase an additional fifteen times — meaning a drought in North America every one or two years.

WHERE IS EVERYBODY?

The World Meteorological Organization estimates the damage from rising seas to African island and coastal states to be \$50 billion over the next thirty years. The President of Gabon stated: "We will continue to consume oil and gas until wealthier countries do more to help poorer nations finance the energy transition."

WHERE IS EVERYBODY?

Another astrophysicist looked at the same night sky that Enrico Fermi did. His observation was this: "There are two possibilities. There is life out there or we are all alone. Either one is astonishing." As we ponder the potential outcomes of the climate fight, there are two possibilities: We have a fossil fuel free future and a healthy planet or we will suffer the consequences of a climate crisis. Either one is astonishing.



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



Dear Dr. Cool,

I'm glad you're visiting Scotland and the town of Wick. As an oil worker in the North Sea, I am outraged that offshore wind farms are replacing oil and gas drilling. Apparently, our First Minister Sturgeon doesn't give a plug Nicola that our oil jobs are being kilt. In Wick, these wind farms can't light a candle to oil. Perhaps I can get a job on a Starship as an engineer, It's just another fine Loch Ness you climate activists have gotten us into. Speaking of which, believing in wind farms makes as much sense as believing in Loch Ness Monsters.

Signed,

M. Scott

1701 Dragon Slayer Road
Wick, Scotland

Dear Scotty,

Please. Bagpipe down! Perhaps you should stay in Wick where oil men have gone before. Ask oil man Alan Paul who now works in the wind industry. Ask British Petroleum (BP) whose plans for offshore wind anticipate half of its hires to come from the fossil fuel industry. And as BP notes, wind farm work is fairly comparable to oil work. There are already 10,000 wind-related jobs in Scotland, a 16% increase this year. As for its benefits, something for Wick this way comes — powering over 400,000 homes — millions of dollars for local improvements from its profits. As for the Loch Ness Monster being a myth, I'll share with you what a Scottish Bobby whispered in my ear: "I haven't seen it myself, but I KNOW there's something down there." And you should never argue with an officer of the law.**

**The conversation with the Bobby actually happened with one of the contributors to the newsletter.

OUR 20TH ANNIVERSARY

A CASE OF 20/20 FORESIGHT

It was a winter's day in January, 2003, when I entered the Ford Room of the Douglas County Library. Not exactly the time of year to discuss global warming. In my hands I held a gift from my sister in England, Janice Sherwood. It was a video produced by the BBC titled 'The Day The Oceans Boiled.' By examining ancient ice cores and taking measurements in the Amazon Rainforest, the video laid out in clear and concise terms a warning: Unless global warming was brought under control, we would reach a tipping point with catastrophic consequences for the climate. When the event was publicized, I had hoped a few people would show to experience the impact of the video. Not a few, but 150 people came. And it was clear from the reaction of the audience — it was essential to organize around global warming — the most critical issue of our time. Yet when a

small group of community activists came together to form the Douglas County Global Warming Coalition, they could not have known that this organization, without precedent or blueprint, would be going strong after twenty years. It is a source of sadness that the battle has not yet been won. It is a source of hope that we pursue our goals with the same fervor of two decades ago.

The Coalition has been blessed with Board members that embody these characteristics which have kept us vibrant and strategically astute.

Vision - Passion - Integrity - Commitment

Today, in our 20th year, we honor those Board members, past and present, that have defied the odds of a Global Warming Coalition making a difference in Douglas County.

CURRENT BOARD MEMBERS

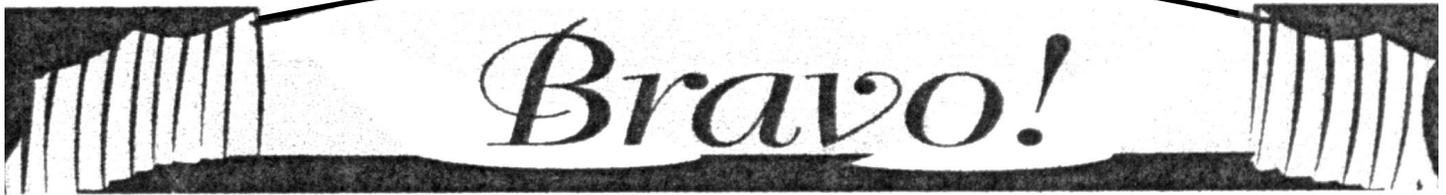
Polly Stirling (Founding Board Member)
Stuart Liebowitz (Founding Board Member)
Scott McKain, Melanie MacKinnon,
Diana Bailey, Liz Gayner

FOUNDING BOARD MEMBERS

Neal Hadley, Anna Slemmer
Phyllis Kesner

PAST BOARD MEMBERS

Jim Long	Jeff Jackson
Ruth Kaser	Terri Peterson
Gabe Dumm	Jim Stelson
Dick Dolgonas	Mike Piehl
Arthur Chaput	Gary Strehlow
Amy Nathanson	Diane Phillips
Al Walker	



A 20TH ANNIVERSARY BRAVO!

The foundation of the success of the Coalition lies in our dedicated volunteers who have stepped forward when called upon. It is this cadre of supporters who, over the last twenty years, have helped make possible our forums, solar tours, impactful lobbying efforts and day to day functioning of our organization. More than sixty volunteers have worked with us over the years to meet the climate challenges we all face. In particular, we note three members who have consistently played key roles for many years:

Dave Shafran: Newsletter production.

Dan Cressy: Communications.

Steve Sheldon: website guru and membership directory master

Thanks to all for answering that clarion call on the climate. Our work continues.

JUST WHAT HAVE YOU BEEN UP TO?

A Forum With Information To Digest: The Coalition held a Zoom forum featuring experts on the impact of climate change on food availability with an emphasis on the Pacific Northwest.

Oregon — We're On The EV Of Construction: The Coalition testified and organized testimony in favor of a proposed State rule to phase in a requirement that all new car sales be electric by 2035.

The Coalition Is Kept In The Loophole: A loophole was discovered in the Governor's Executive Order reducing climate pollution. Certain natural gas entities were inadvertently not covered by the program. The Coalition joined with our State Allies to support the closing of the loophole. The Oregon Environmental Quality Commission unanimously agreed to do so.

Our Latest Efforts In Electric Vehicles? Be Our Guest: On behalf of the Umpqua Transportation Electrification Team, a guest column was submitted to the News Review introducing our efforts to electrify transportation in Douglas County.

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

ANOTHER ANNIVERSARY BRAVO!

The success and staying power of the Coalition can also be attributed in great measure to the financial generosity of our supporters and newsletter sponsors, past and present. In particular, we wish to extend a special and grateful acknowledgement to the fifteen donors who have consistently given to the Coalition for a decade or more. Many thanks for your contributions to the cause. And twenty years from now, may we all look back and say:

**OUR WORK IS FINALLY DONE
THE CLIMATE FIGHT WAS WON**



JUST WHAT WILL YOU BE UP TO?

Ending The Year On A Charry Note: The Coalition will be moving forward with plans for the construction of biochar kilns for Phoenix Charter School. A potential donor has been identified to match our contribution resulting in the possibility of up to four kilns.

Electric Biking For The Share Pleasure Of It: Our Electrification Team will be working with the Housing Authority of Douglas County to explore the possibility of implementing an electric bike sharing program for the tenants.

A Commitment To Electric Vehicles — We Are Driven: With the Umpqua Transportation Electrification Team, we will plan a ride and drive event for electric vehicles. Target Date: Earth Day Week.

Speaking Of Global Warming, We'll Be Speaking Of Global Warming: The Coalition will be planning presentations to groups on how they can make a difference in the fight on climate change.

The Positive Part Of The China Syndrome: A 20th Anniversary is symbolized by china. And the year 2023 marks the 20th Anniversary of the Douglas County Global Warming Coalition. This spring, we will be commemorating this event by honoring our Board members past and present, volunteers and donors.

VOICES FROM THE CLIMATE SUMMIT: COP 27

The latest climate summit, COP 27, held in November and hosted by Egypt drew nearly 200 countries. How best to describe the results?

“The results are predictable — indecision, evasion, and obstruction and buck passing followed by desperately needed — but desperately inadequate last minute action.”

The British newspaper, “The Guardian”

COPS AND ROBBERS

“What happened in Pakistan will not stay in Pakistan.”

Shehbaz Sharif, Prime Minister of Pakistan

“We’ll gladly pay for all we destroy”

Phil Ochs, from his song ‘Cops of the World’

It was heralded as a great achievement. And it was. Haunted by the specter of massive flooding in Pakistan, rich countries for the first time pledged to set up a fund to pay poor countries for loss and damage caused by climate change. The symbolic importance of this decision cannot be overstated. However:

- ☞ No specifics on how this will be implemented will happen until the next climate summit — to be held a year from now.
- ☞ No amount was agreed to and no source of money was identified.
- ☞ No mechanism was established to determine who gets the money and when.

And if the past is any guide: in 2009, the countries of the world agreed to a climate financing fund for poor countries with pledges of \$100 billion per year. That figure has yet to be reached.

EMISSION CONTROL: FAILURE IS AN OPTION

“Our planet is still in the emergency room”

Antonio Guterres, UN Secretary General

The emission reduction pledges made at last year’s COP 26 climate summit would still leave us at nearly twice the 1.5 degrees Celsius agreed upon target. And even these pledges are not being kept. So it was agreed that countries would come back with stronger pledges this year. Only 26 countries did so — but not the top polluters, the United States and China. And this summit eliminated every effort to strengthen the commitment to eliminate fossil fuels — thanks, most notably, to Saudi Arabia and Russia.

Worse still, to control emissions, natural gas was put on an equal footing with clean renewables. But what can you expect when over 600 of the country’s delegates and trade team members represented gas and oil?

NOW LET’S HEAR THE VOICES OF COP 27:

“Peaking emissions by 2025 is not in this text. Follow through on the phase down of coal is not in this text. The phase down of all fossil fuels is not in this text. And the energy text was weakened to endorse low emission energy which can be interpreted as natural gas. The loss and damage fund is necessary but (it is) equivalent to buying a neighbor new clothes after you watch his house burn down — because you dropped a lit match.”

Alok Sharma, last year’s President of COP 26.

“More fossil fuels mean more loss and damage.”

Joab Okanda, Senior African Adviser
for Christian Aid

“The Egyptian Presidency produced a text that clearly protects oil and gas Petro States and the fossil fuel industries.”

Laurence Tubiana, Co-architect
of the 2015 Paris Climate Agreement

“The fact that the outcome only talks about phasing down of unabated coal power is a disaster for Africa, devastating our communities for the benefit of rich countries and corporations. What we need is an equitable phase out of all fossil fuels.”

Babawale Obajanju, Friends of the Earth, Africa

WHAT’S NEXT?

“Is there hope for the future?”

Line from the song ‘The Bells of Rhymney’

To answer the question in the song, the next climate summit, COP 28, will be held in Dubai — a country with strong connections to the fossil fuel industry. We shall see.

**DO YOU THINK YOU CAN KEEP UP
WITH THE COALITION?
Check out our website:
douglascountyglobawarmingcoalition.com
or our **Facebook Page****

SO WHAT ELSE IS NEWS?

AROUND THE GLOBE

IN DEBT? SAY BELIZE AND THANK YOU

When the country of Belize found itself facing bankruptcy, the Nature Conservancy made them an offer they couldn't refuse: A loan to pay off its creditors in return for using part of the money to address climate impacts.

AND — THE NAME IS BONDS — BLUE BONDS

The help offered by the Nature Conservancy was in the form of debt relief called 'Blue Bonds.' In this case, the Conservancy gave Barbados a similar deal.

AND — THEY SELL SEYCHELLES

TO PROTECT THE SEA SHORE

This island nation off the Indian Ocean used the Blue Bonds to protect vulnerable species off its waters.

WHAT'S WRONG WITH THIS CLIMATE

SCHEME BY THE SWISS? WATCH!

Switzerland is using its wealth to fund efforts in poor countries to develop non carbon energy. The problem? They are using this to count as credit for reducing their own emissions. As Jade Begay, the climate justice director of NDN Collective, a social and environmental organization noted: *"The rule that allows such deals is dangerous because it allows wealthier countries to continue to pollute and conduct business as usual which is the root of the problem."*

BON! GABON

The African nation of Gabon is moving away from oil. Currently, oil represents 38.5% of the economy. Plans envision reducing that number to 20% by 2025. Instead, they are turning to logging for plywood and furniture. But before you panic, consider:

- 🌲 They limit logging to two trees per hectare every 25 years.
- 🌲 Log exports have been banned and deforestation and illegal logging have declined resulting in a 50% increase in the endangered elephant population over thirty years.

ON CLIMATE, DON'T GIVE

THE WORLD BANK A MALPASS

In September, David Malpass, President of the World Bank, refused to say if he accepted the science of climate change. His actions speak as loud as his words. Climate scientists have noted its poor record for financing climate projects, the high interest rates for developing countries and continued financing of fossil fuels.

A TIP FROM JERRY MCGUIRE MIGHT HELP

Brazil's new President Lula da Silva, who thankfully replaced Bolsonaro, forged an alliance with Indonesia and the Democratic Republic of Congo to protect the Amazon Rainforest. The three countries represent more than half the world's tropical rainforests. Unfortunately,

there is no financial backing to make this happen. Thus far, the world has turned a deaf ear to their pleas — *"Show us the money."*

ROBBING PEAT WILL MAKE US PAY FOR IT ALL

Ireland has more than half the peatland known as raised bogs in Europe. And as one botanist noted: *"The bogs are our Amazon Rainforest. They are where most of our carbon is stored."* In fact, peatlands sequester twice as much carbon as all the world's woodlands combined. Unfortunately, there is massive lawbreaking in Ireland where bogs are being torn up. The European Union has put Ireland on notice: Enforce the law and deal with these re-peat offenders.

AROUND THE NATION

TEACHING OUR CHILDREN RIDE FROM WRONG

The proper way to ride school buses is to go electric. So the Biden Administration has dedicated \$1 billion to finance the purchase of electric school buses. Right now, only 1% of all school buses are electric. This amount will expand the number by approximately 2400.

GOING ELECTRIC FOR THE CLIMATE? GAS AGAIN

Now that the Republicans control the House of Representatives, the American Gas Association is gearing up to put their polluting fuel on the front burner. Specifically, their hope is to redirect the \$14,000 per household rebate to low and moderate income households targeted to replace gas with electric heat pumps and water heaters. Also in their line of sight is Biden's plan to mandate tougher energy efficiency standards for gas furnaces.

OFFSHORE WIND? IT'S THE LEASE WE CAN DO

The Biden Administration Authorized its first offshore wind lease sale along the west coast. Specifically, five areas of California. The 4.5 gigawatt project will power more than 1.5 million homes.'

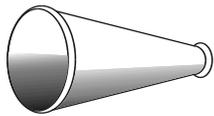
AROUND THE REGION

WHAT! NO BRIDGE FUEL?

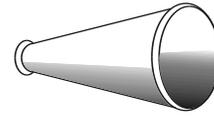
The first of its kind in North America — a renewable facility combining wind, solar and battery storage, has been commissioned east of Portland. When the wind blows — 300 megawatts. When the sun shines — 50 megawatts. And the battery stores 120 megawatts. At a maximum, it will generate more than half the power of Oregon's last coal plant.

POTATOES AND CLIMATE: THE EYES HAVE IT

Oregon State University received a \$50 million grant from the United States Department of Agriculture to develop "climate smart" potatoes. Their schooling begins with reducing soil disturbing policies through less tillage, crop rotation and cover crops. With 62% of all U.S. potatoes grown in Oregon, Washington and Idaho, we can start frying potatoes without frying the planet.



LEGISLATIVE AND ADVOCACY UPDATE



NOT JUST TRAINS PULLING INTO THE STATION

These are for electric vehicles with the Federal Government approving Oregon's five year plan to build \$100 million worth of charging stations. In 2023, charging stations will be installed along I-5 and I-205 as well as US Highway 97. They will be no more than 50 miles apart and no greater than one mile from an exit.

LOWER CARBON EMISSIONS IN OREGON?

NO FUELING!

Governor Brown's Executive Order mandating the State's transportation fuel mix lower its carbon intensity 25% by 2035 has been changed. And for the better. Thanks to lobbying by the Coalition and our State Allies, that target was increased to 37% — the strongest in the nation.

WOULD YOU BUY A NEW CAR FROM THIS MAN?

In 2035, the answer will be a resounding YES! The Oregon Environmental Quality Commission passed a rule mandating the phasing in of a requirement that all new cars sold be electric by that date. The Coalition and our State Allies testified in favor of this rule.

WE WILL NOT DUCK BILLS ON CLIMATE

The State legislature will soon be meeting and several bills are being considered. Among them are:

SOIL, NOT OIL

Two bills to address climate change through agriculture: Legislative Concept 1492, the Healthy Soils bill sponsored by Representative Helm and Legislative Concept 26, sponsored by Senator Dembrow. Together, they will implement natural solutions, sequestration and drought resistant techniques to benefit the climate.

AN OFFER YOU CAN REFUSE

Legislative Concept 2224, sponsored by Representative Holvey will give outdoor workers the right to refuse work during extreme and hazardous weather events.

THE ELECTION SELECTION

MEANS CLIMATE PROTECTION

November's election in Oregon was a victory for cli-

mate activists on the Gubernatorial and Legislative levels. This holds promise for passage of climate bills in the upcoming legislative session. The Federal election brought the House of Representatives under the control of climate denying Republicans. They have promised to make every effort to undo the recently passed climate bill. In the unlikely event such legislation reaches the President's desk, we trust Biden will rely on our hit man from the climate protection mob — **VETO.**



As we look back on 2022, what better time to put a spotlight on the person doing the most to worsen the climate crisis. And who is most worthy to receive the twelfth Annual Sasquatch Award? This year, we Put-in our two rubles for Vladimir Putin. Yes, it isn't enough to wage a genocidal war in Ukraine, Vladimir the Impaler has driven a stake through the heart of the world's climate efforts. His bloody war in Ukraine has resulted in Putin spreading his deadly Molotov Cocktail brew of coal, oil and gas across the globe. To overcome the reduction of natural gas in Europe, other countries have ramped up their own natural gas production, thereby jeopardizing climate commitments. He knows what he can accomplish by trial and terror. Listen to his words:

- "Blaming the West's *"aggressive promotion of the Green Agenda."*
- *"Ditching oil and gas anytime soon is a fool's errand."*

Watch these words turn to action:

- Pushing the COP27 climate summit to delete any reference to human caused climate change.
- Embracing and supporting President Bolsonaro when the world criticized Brazil's destruction of the Amazon Rainforest.
- Increasing dirty crude oil sales to India from 30,000 barrels a year to 800,000 a day now. And doubling the amount of coal exports as well.

One can only hope the next time you're in Siberia looking for Sasquatch, you'll see a lonely and abandoned ex-Russian President instead. Alas, he probably won't suffer too much from the cold. After all, Siberian temperatures reached 100 degrees not too long ago.

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W O T S P O T S

- ☀ **Going To Heaven? Crossing River Jordan Just Got Easier:** Thanks to climate change, the flow of the River Jordan is now 10% of its historical average. And the Dead Sea is living up to its name. During the summer, parts of the country saw taps run dry for three weeks. Underground aquifers are being used at twice the rate of replenishment. It appears we CAN cross the River Jordan — but you might not wind up in heaven. (*New York Times*, 11/10/22)
- ☀ **Because of Climate Change, We See The Harvest of Crab Nebulous:** Such is the case in Bristol Bay, Alaska where the Red King Crab and Snow Crab harvests were canceled. Between 2018 and 2021, 90% of the crabs were gone. While Alaska is the fastest warming State, remember the Gulf of Maine. Due to warming waters, the New England Northern Shrimp harvest has shrunk, resulting in a fishing moratorium. (*New York Times*, 10/16/22 and 10/28/22)
- ☀ **Emissions From Flying: Can We Pull Out In Time?:** The nations of the world agreed to cut airplane emissions to net zero by 2050. The problem: Even with massive investments in “clean” fuels, it would require significant cutbacks in air travel. With the richest 20% of nations accounting for 80% of flights and the top 2% of frequent flyers responsible for 40% of all flights, the solution is up in the air. (*New York Times*, 10/19/22)
- ☀ **Climate Change Leaves Popeye Forlorn:** Europe’s worst drought in 500 years has devastated Spain’s olive oil output. Responsible for half of the world’s production, parts of Spain are struggling with the impact on a one crop economy. Wimpy may be glad to pay you Tuesday for a hamburger today, but it won’t be fried in olive oil. (*New York Times*, 9/11/22)
- ☀ **Out Of Sites. Out Of Mind:** There are approximately 186,000 glaciers contained in fifty World Heritage Sites identified by the United Nations. And 1/3 of these glaciers are condemned to disappear by 2050. They are losing 58 billion tons of ice each year, equal to the combined use of water in France and Spain. Ironically, these sites are the most frequently visited by tourists — and the travel industry contributes 11% of all greenhouse gas emissions. (*New York Times*, 11/15/22)
- ☀ **Where Are The Ports in A Storm?:** Nationwide, there are 120,000 electric charging ports for the 1.5 million vehicles on the road — a ratio of one to twelve. To make matters worse, only one in five are fast chargers. It is projected there will be 19 million electric vehicles on the road by 2030. This will require an additional 9.6 million charging stations. (*New York Times*, 10/10/22)
- ☀ **A Flare To Remember:** When it comes to dangerous methane emissions, I’m afraid we will. Flaring, a method used by the oil and gas industry to destroy unwanted methane, has been far less effective than previously thought. A study of the three largest oil and gas basins in the United States showed releases of methane were five times higher than what was assumed. (*New York Times*, 9/30/22 citing a study published in the journal *Science*)
- ☀ **Floods From Climate Change Leave Chad Hanging On:** for dear life, it seems, as 800 people were killed in Chad, Niger, and Nigeria. Scientists from World Weather Attribution calculated these heavy rains and attending floods were eight times more likely to have happened due to climate change. (*New York Times*, 11/17/22)
- ☀ **Burning Coal Boomerangs on Australia:** One of the highest carbon emitters per capita, Australia has paid the price this year. Climate change has fueled more intense bouts of rain over shorter periods. Parts of Australia have experienced record-breaking floods as many as four times. And in the first nine month alone, Sydney already broke its previous rainfall record with 86.6 inches. (*New York Times*, 10/10/22)
- ☀ **A Tall Tale From Tall Grass Energy:** But it’s good enough to get Federal subsidies from the Government’s Inflation Reduction Act. By converting natural gas to hydrogen to replace a coal plant, it qualifies as “clean energy”. Unfortunately, the production and delivery of natural gas has its own deadly climate pollutants. This stands in contrast to “Green Hydrogen” made by wind and solar powered electricity. In fact, it takes more energy to produce the hydrogen than the hydrogen produces. Energy analyst Bruce Robertson described it as “a creation of the gas industry to try to prolong the natural gas business.” Tall Grass Energy, by the way, is a natural gas pipeline company. Thank God for coincidence. (*New York Times*, 11/4/22)



UMPQUA VALLEY
FINANCIAL

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CAN YOU TRUST THE UMPQUA TRANSPORTATION ELECTRIFICATION TEAM?

THEY'RE BOUND TO TAKE YOU FOR A RIDE

The Umpqua Transportation Electrification Team (UTET), representing advocates, businesses, non-profits and utilities, will indeed be looking to take you for a ride during Earth Day Week. The planned event will put electric vehicles on display and offer a ride and drive. It will be followed by a tour of businesses promoting electric vehicles.

A CLASSY CHASSIS

That's what Roseburg Disposal ordered. And why is it classy? Because it will go on their electric garbage truck. The chassis will be available as soon as next year.

EVEN GROUCHO MARX MIGHT JOIN

UTET will be forming an electric vehicle club. Stay tuned for details. (It was Groucho Marx who once commented: "I would never join a club that would have me as a member.")

AVIVA SANTE

AVIVA Health has installed two electric charging stations available to the public, employees and patients. A long term goal is the electrification of their fleet.

YOU CAN E-BIKE

WHEN IT'S SUNNY AND SHARE

The Housing Authority of Douglas County is exploring the possibility of implementing an electric bike sharing program for its tenants.

IN CHINA, THE CURRENT IS THE FUTURE

In this case, electric current powering their cars. The sales of electric cars doubled to six million — more than the rest of the world combined. Their 300 electric vehicle companies account for nearly 25% of all new car sales. The secret of their success?

- ⚡ Four million charging stations — double the amount over last year.
- ⚡ Waiver of the 10% purchase tax.
- ⚡ Two hours of free parking in public lots.
- ⚡ A \$2,000 subsidy.

Of the top ten electric vehicles, half are Chinese. And that information was not courtesy of David Letterman.



JUST THE FACTS MA'AM

Ever feel you miss information because of climate deniers' misinformation

Myth: Electric vehicles are no better for the climate than gas powered cars because of pollution from battery manufacturing and electricity generation.

Fact: Welcome to our Daytona 500 — miles per gallon that is. That's the equivalent mileage an electric vehicle gets compared to a gas powered car when you have all your electricity come from clean renewables And that is something that will happen in Oregon over the next 15 years. But even with our current grid, EV's get an equivalent 107 miles per gallon. I'm not being "Petty" when I say, compared to EVs, gas powered cars are the pits — stop relying on them. In fact, 90% of the United States live in areas where EVs far surpass gas powered cars in mileage. As for carbon emissions, over the life of an EV, it is half of your typical gas polluter. And it will get

even better as the grid gets cleaner.

Yes, it's true there is more pollution from electric vehicle battery manufacturing, but once you've driven 21,800 miles, the pollution reduction benefit kicks in. Hey, that's just equal to 43 Daytona races and you're tough enough for that!

And, besides, as we begin to recycle batteries the need for manufacturing them will diminish. So while you're waiting for that checkered flag, notice those other cars idling — burning gas, polluting our planet. Remember — Idle stands are the Devil's Racing Ground. So don't let your memory "laps". Remember to help save the planet. Gentlemen — Stop Your Engines! And when you see the letters STP, they're telling you 'Stop Transportation Pollution.'

And now you know how.

The above information is from the report 'Driving Cleaner' published by the Union of Concerned Scientists.

CLIMATE CHANGE AND THE FUTURE OF FOOD

by Scott McKain



THE WHO WAS REALLY SINGING ABOUT THE CLIMATE

On October 26 The Coalition presented this online forum featuring expert speakers from Oregon State University:

Logan Bennett, OSU Extension agent for Douglas County

For many of us this was the first opportunity to see Logan Bennett speak as he is new to Douglas County. Specializing in small farms, his talk emphasized crops adapted to a warmer and dryer climate with examples he has seen in the field.

Additional speakers were:

Erica Fleishman, Director of the Oregon Climate Change Research Institute

Lauren Gwin, Research Associate in the Department of Agriculture and Resource Economics

For those who were unable to participate in the forum a recording can be seen on the Coalition website douglascountyglobawarmingcoalition.com.

In regards to agriculture, they were 'Talkin' About Regeneration': The climate-smart agriculture practices that can make a difference in carbon release and storage. These include:

- ☞ Rotate a herd through smaller parcels of pasture, allowing vegetation to regrow.
- ☞ Minimize tilling and terracing hills.
- ☞ Cover crops to reduce soil erosion.
- ☞ Climate suitable varieties of crops.

Roughly 100 million acres of farmland are using no tillage practices and 15 million acres utilize cover crops.

The United States Department of Agriculture received over 1,000 applications for climate smart pilot projects — which goes to show there's a growing chorus of farmers who are willing to reject old practices — saying loudly and clearly "We don't get fooled again."

NOT US! WE'VE GOT AIR CONDITIONING

"The old narrative that climate change is something that's happening to Polar Bears or it's going to happen to your grandchildren — that was never true, but it's now obviously not true."

Kate Marvel, NASA climate scientist

The draft of the latest National Climate Assessment is out for public comment — and it isn't pretty. Here is what is going on in our country because of global warming:

- ☞ Temperatures in the United States increased 68% more than the Earth as a whole.
- ☞ In the 1980's, billion dollar disasters occurred once every four months. Now they happen every three weeks.
- ☞ In Miami Beach, the frequency of high tide flooding

has quadrupled over the last twenty years.

- ☞ Alaska has seen fourteen climate related fishery disasters.
- ☞ More frequent and severe heat waves, droughts, heavy rainfall and wildfires.

And the worse is yet to come. Again, in the words of Kate Marvel:

"When we look to the future, we can't say for certainty that 'Oh, we're safe at two degrees, we're safe at 1.5 degrees.'"

So even though the National Climate Assessment is just a draft doesn't mean you can escape climate change by moving to Canada.



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OUR 20TH ANNIVERSARY

A FINAL WORD

To our members: It has been a long journey, often a rocky one. Traveling on this road together has made it meaningful and successful. And as we reflect on these past two decades, we celebrate our successes and prepare for the fight ahead. Allow us to share just a few of the highlights of the past twenty years.

FORUM PRESENTERS

- ☺ Internationally acclaimed scientist Jane Lubchenco, formerly the Director of the National Oceanic and Atmospheric Administration.
- ☺ Dr. Phillip Mote, Contributor to the Intergovernmental Panel on Climate Change.
- ☺ Dr. Catherine Thomasson, former National Director and Oregon chapter Director of the Physicians for Social Responsibility.
- ☺ Dr. Mary Wood, University of Oregon Law Professor whose Public Trust Doctrine was the basis of a climate change lawsuit by Our Children's Trust.

STATE CLIMATE ACTIONS

- ⚡ Legislation phasing out coal plants by 2035.
- ⚡ Legislation requiring a fossil fuel free electric grid by 2040.
- ⚡ Passage of Oregon's landmark Renewable Portfolio Standard.
- ⚡ Adoption of a rule mandating all new car sales be emission free by 2035.

- ⚡ Legislation mandating a percentage of clean fuels in our cars.
- ⚡ The Governor's Executive Order mandating a reduction of greenhouse gas emissions of 80% by 2050.

EDUCATION

- 🌀 Organized all day seminars on climate change at Umpqua Community College.
- 🌀 Climate Masters Program, a series of ten workshops presenting ways individuals can lower their carbon footprint.
- 🌀 Two community discussions on Climate Change and the Future of Douglas County identifying ways Douglas County can adapt to climate change over the next twenty years.
- 🌀 Organized over 1000 students to express their concerns on climate change through artwork tiles placed together in the shape of a steelhead.
- 🌀 Organized the Annual Green and Solar Tour.
- 🌀 Formed the groups 'Douglas County Smart Energy' and the 'Umpqua Transportation Electrification Team' to promote renewable energy and electric vehicles.

Thanks for being with us on this important journey. The climate fight continues.



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← NOW THAT THE CLIMATE SUMMIT, COP 27, HAS PUT OFF PAYING POOR COUNTRIES FOR CLIMATE LOSS AND DAMAGE TILL NEXT YEAR AND DONE NOTHING TO FURTHER LOWER EMISSIONS, WE COP A PLEA FOR DONATIONS TO THE TUNE OF THAT OLD ROCK SONG BY DANNY AND THE JUNIORS, 'AT THE HOP.'

WAIT A YEAR FOR LOSS AND DAMAGE
TILL THEN WE HOPE YOU MANAGE — AT THE COP
STOP OIL? THEY ARE CHICKEN
WHILE WE WATCH THE PLANET SICKEN — AT THE COP
NO FOSSIL NIX BUT AN LNG FIX — AT THE COP
WHEN SCIENCE GIVES THE LATEST
EVERYONE IS ON HIATUS — AT THE COP

FORGET ABOUT OUR MISSION
OF CUTTING OUR EMISSIONS — AT THE COP
WHERE ARE THE NATIONS' OBLIGATIONS AT THE COP?
AND SO
STAND UP TO THE COP
EMISSIONS THAT WON'T STOP — NO MAYBE
LNG'S THE TOPS — IT'S CRAZY

COME ON — STAND UP TO THE COP

YES, WE CANNOT COP-ITULATE TO THEIR INACTION. HERE'S MY CONTRIBUTION OF:

\$18 _____ \$25 _____ \$50 _____ OTHER _____

WHILE I WOULD HAVE PREFERRED A PARODY OF 'WONDERFUL WONDERFUL COP-ENHAGEN'
I'LL STILL GIVE \$100.

Send your tax deductible check payable to:
OEC, 143 SE Lane Avenue, Roseburg, OR 97470. Thank you.

Name: _____

Address: _____

Phone: _____

_____ I want to volunteer

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