

DOUGLAS COUNTY

GLOBAL WARMING COALITION

FALL 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.



WERNER HEISENBERG'S DICE

"Uncertainty is not our friend"

Michael Mann, Penn State University Climatologist

When the famous physicist Werner Heisenberg developed the Uncertainty Principle — the foundation of quantum mechanics — he pointed out you can never know for certain the position of an electron. Upon hearing this, Albert Einstein was appalled. He could not accept a world that was not completely knowable with hard and fast laws. His famous response: "God does not play dice with the universe."

But as climatologist Michael Mann pointed out, the uncertainty of climate models has actually underestimated how soon and intense the impact of climate change will occur. Case in point:

2022 — THE SUMMER OF CLIMATE MADNESS

THE PO MAY NOT ALWAYS BE WITH US

Accounting for 30% of Italy's agricultural output, the drought in the Po River Basin will cost farmers three billion dollars. In some areas, the Po has totally dried up. To make matters worse, saltwater from the Adriatic Sea is flowing back into the Po. Italy is responsible for 52% of Europe's rice, some of which has been totally destroyed. Commented Ramona Magro of Drought Climate Services: "It's bringing agriculture to its knees." Uncertainty is not our friend.

ARE YOU SURE THIS ISN'T IRELAND?

The most severe drought ever recorded in France brought a halt to irrigation jeopardizing the potato

CALENDAR

DOUGLAS COUNTY

GLOBAL WARMING COALITION PRESENTS CLIMATE CHANGE AND FOOD: WHAT'S IN YOUR FUTURE?

Monday, October 24th, 6:30 PM
Information: 541-672-9819

OREGON'S ADVANCED CLEAN CAR RULES

Public Comments to the Environmental Quality Commission

Submissions starting — 9/23/2022
Information 541-672-9819

UMPQUA TRANSPORTATION ELECTRIFICATION TEAM

Monthly Zoom meetings

Fourth Thursday — 4 PM
Information: 541-672-9819

UMPQUA WATERSHEDS PRESENTS

UMPQUA BREW FEST

Saturday, October 8th
Douglas County Fairgrounds
www.umpquabrewfest.info

crop. Uncertainty is not our friend.

WHEAT! WHEAT! DON'T TELL ME

Excessive heat in India forced a halt to all wheat exports. It was reminiscent of Canada's record heat in 2021 which resulted in a 40% decline in wheat production. Uncertainty is not our friend.

WATCH WHAT'S ON THE RHINE

In Germany, the Rhine River, a major transport, is so low that ships had to reduce their cargo. Uncertainty is not our friend.

FORCING YOGI BEAR TO WAKE BEFORE NOON

Unprecedented flooding in America's oldest park, Yellowstone, forced the closure of the north section. The Yellowstone River crested at 13.88 feet — nearly 2½ feet higher than the old record. Uncertainty is not our friend.

Cont'd on Page 2 ►

PROMOTE GLOBAL COOLING

THE PASTA IS NO GUIDE TO THE FUTURE

Record heat and drought have caused Italy's Alps to lose 25% of their water from shrinking glaciers over the last twenty years. Uncertainty is not our friend.

SHOULD WE START LOOKING FOR A RAINBOW SIGN?

South Austria was deluged with 5.5 inches of rain in one day, smashing the old mark of 4.2 inches. Not to be outdone, St. Louis was flooded with two months' worth of rain in six hours. Uncertainty is not our friend.

The Arctic was previously believed to be warming at twice the global average. But two recent studies showed the Arctic is heating up four to seven times faster than the global average. As a result, projections of future climate impacts might need to be adjusted. Clearly, uncertainty has not been our friend.

When Albert Einstein insisted that God does not play dice with the universe, Werner Heisenberg replied "Who are you to tell God what to do?" And as we play dice with our planet's climate, we are bound to notice the multitude and diversity of living things — the fragility of the web of life.

And when we consider that climate change is not so slowly but with absolute certainty threatening that which we hold most dear, the question asked by Werner Heisenberg is most salient today. "Who are we to tell God what to do?"



For this newsletter, we have a special BRAVO! We note the passing of long time supporter, Jeff Havener. We remember well his tireless contribution to one of our major projects — youth climate art in the shape of a Steelhead — a project which drew over 1,000 participants. But even more significant were Jeff's numerous community activities which touched others and made Douglas County a better place to live. How fortunate we were that Jeff shared his talents with the Coalition. On behalf of the Coalition, our thoughts go out to his family and friends.

JUST WHAT HAVE YOU BEEN UP TO?

To Bee Or Not To Bee — That Was The Question:

And the answer was given in a Zoom forum by experts discussing the impact of climate change on pollinators.

Helping Phoenix Charter a Sustainable Course:

The Coalition is working with Phoenix Charter School on developing a Biochar project that will also serve as a learning experience for their students.

The Coalition Is Put On The RAC:

In this case, it is something to be desired. Oregon's Department of Environmental Quality is poised to pass a rule requiring all new car sales be electric by 2035. Their Rulemaking Advisory Committee will advise on how best this can serve low income households and the Coalition will have a representative on this RAC to give input.

When It Comes To Charging Stations, We Know

What's At Stake: Pacific Power held its first in a series of in-person State-wide stakeholder meetings in Roseburg. The purpose: To get feedback on its charging station plans. The Coalition's Umpqua Transportation Electrification Team represented the majority of the attendees.

Taking The Wind Out Of Our Sales:

The Coalition held a Zoom forum featuring Ryan Dela, Operations Engineering Director for ORSTED Onshore. ORSTED is the world's largest producer of offshore wind. He discussed their future major expansion plans both here and overseas.

JUST WHAT WILL YOU BE UP TO?

A Presentation To Chew On:

The Coalition will present a Zoom forum: Climate Change And Food: What's In Your Future? The forum will examine how climate change is impacting food production both nationally and globally — now and in the future.

Electric Vehicles For Low Income Households?

That's A Bit Of A Reach: Which is what we will be doing as we reach out to low income renters showing how electric vehicles can benefit them.

Electrifying Oregon's Transportation — Just Send

Us The Bill: The Coalition will be meeting with State Allies on a bi-weekly basis to promote legislation supporting transportation electrification.



THE DOUGLAS COUNTY GLOBAL WARMING COALITION PRESENTS

CLIMATE CHANGE AND FOOD: WHAT'S IN YOUR FUTURE?

A ZOOM Forum

Monday, Oct. 24th, 6:30 pm

FEATURING

Dr. Erica Fleishman

Professor, College of Earth, Ocean and Atmospheric Sciences,
Oregon State University and the Director of the
Climate Research Impact Consortium

Lauren Gwin

OSU Director, Small Farms and Community Food Systems

Logan Bennett

Douglas County Small Farms Extension Agent

**LEARN WHAT CLIMATE CHANGE MEANS
FOR THE QUALITY AND QUANTITY OF FOOD
— LOCALLY, NATIONALLY AND GLOBALLY**

Join Zoom Meeting

<https://us06web.zoom.us/j/86160405047?pwd=VEVwUHByTjZOaVZKbmY0WkxaNU8yZz09>

Meeting ID: 861 6040 5047

Passcode: 666412

One tap mobile

+17193594580,,86160405047#,,, *666412# US

Dial by your location

+1 253 215 8782 US (Tacoma)

Meeting ID: 861 6040 5047

Passcode: 666412



For information — 541-672-9819





THE FEDERAL CLIMATE CHANGE BILL A CLINT EASTWOOD PRODUCTION



The historic Federal climate change bill, better known as the Inflation Reduction Act, will move us closer to our climate change goals. So take a deep breath as we Make Your Day, show how we clean up Dirty Harry and list:

THE GOOD. THE BAD. AND THE UGLY.

THE GOOD (OR THE UNDIRTY DOZEN)

1. Reduces emissions 40% by 2030 as it devotes \$369 billion to fight climate change.
2. Tax credits of up to \$7,500 for new electric vehicles made in North America. AND for the first time, up to \$4,000 in tax credits for the purchase of used electric vehicles.
3. Lifts the cap on the number of electric vehicles a manufacturer can sell in order to be eligible for the tax credit.
4. Electric vehicles are eligible that cost up to \$55,000 and trucks costing \$80,000. AND the credits will be

- available through 2032.
5. Tax credits for wind and solar, also available through 2032.
6. Tax credits for energy efficient appliances, including heat pumps.
7. Tax incentives for wind and solar farms that are placed where coal plants have shut down.
8. A set aside of \$60 billion dollars to help disadvantaged communities impacted by climate change.
9. A Green Bank Fund of \$27 billion to finance clean energy projects.
10. A first time funding of \$20 billion to reduce emissions from the agricultural sector.
11. A fee on methane emissions.
12. Western States receive 4 billion dollars to help cope with the extreme drought.

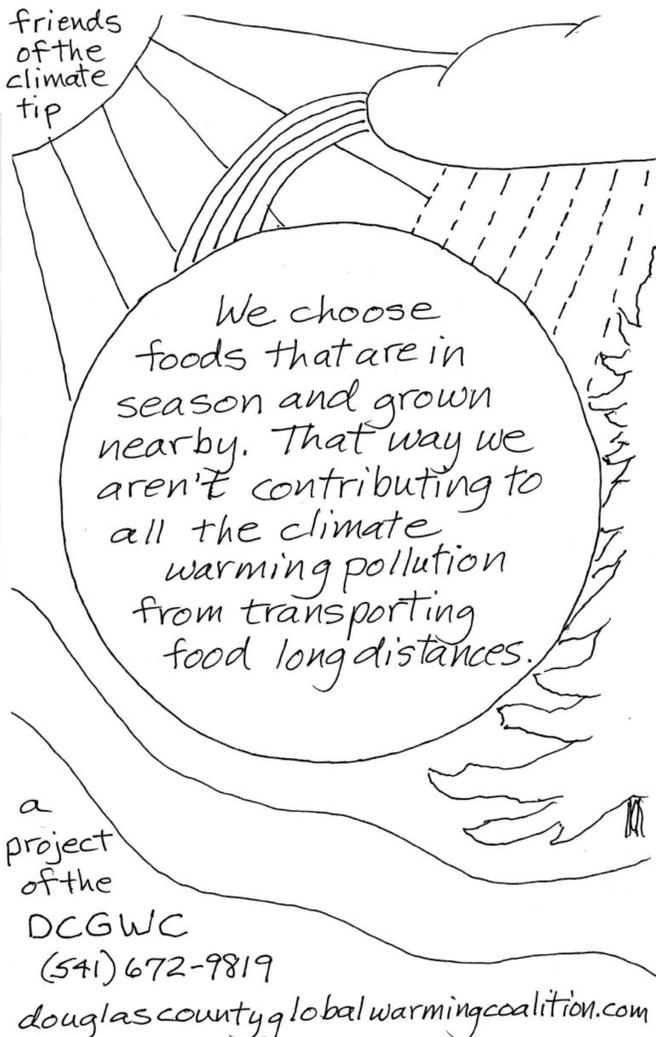
BUT, YES, THERE IS BAD

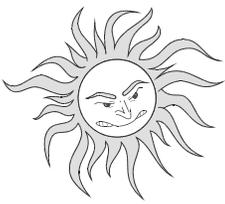
1. Carbon capture credits to keep gas and coal plants operating.
2. Incentives to keep nuclear power plants operating.
3. When leases are given to wind and solar on Federal lands, leases must also be offered to fossil fuel companies.

WE KNOW WHAT'S COMING — THE UGLY

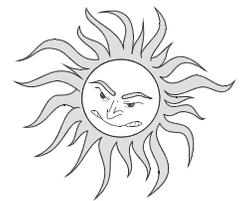
1. Support for Senator Joe Manchin's 304 mile gas pipeline through the Appalachian Mountains of West Virginia.
2. Expedited approval for fossil fuel pipelines and infrastructure, limiting appeals available through the National Environmental Policy Act.
3. New oil and gas drilling in Alaska and the Gulf of Mexico.
4. And finally, the Bill required a portion of the electric cars be built in North America. On the surface that seemed like a good idea. However, by some estimates, most manufacturers could take up to five years to comply. As a result only 21 electric vehicles appear to qualify, thereby limiting the accessibility of electric vehicles.

So what is the climax of this Clint Eastwood movie? Simply this: For every ton of emissions released, 24 tons are avoided. That's what we get with a 'Fistful Of Dollars' in return for 'A Few Dollars More' for Senator Manchin. To fail to address climate change and the 'Line Of Fires' we are all seeing, all of us would be 'Unforgiven.' As for Senator Manchin, last year's Sasquatch Award winner for being responsible for the largest carbon footprint, it turns out our own clean energy monster was a size Triple EEE.





What A Day For A Jet Stream Or — Paris When It Sizzles

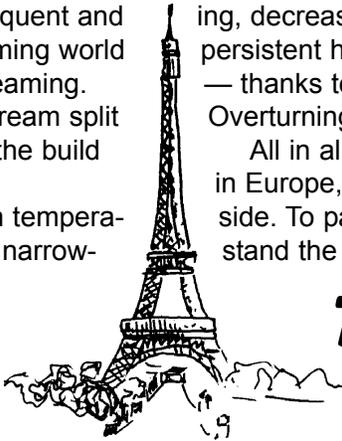


So why is Europe victimized by more frequent and intense heat waves? It turns out that a warming world gives a whole new meaning to the term streaming. During this summer's heat waves, the jet stream split in two — leaving weak winds conducive to the build up of extreme heat.

To make matters worse, the difference in temperatures between the equator and the Arctic is narrow-

ing, decreasing summertime winds and causing more persistent heat. And Europe is indeed running AMOC — thanks to the weakening of the Atlantic Meridional Overturning Circulation — leading to drier summers.

All in all, it means if you want to have a bake sale in Europe, no need to use your oven. Just step outside. To paraphrase Harry Truman — If you can't stand the heat — Get back in the kitchen.



WELCOME TO:

THE WIDE WORLD OUT OF SORTS

Circling the globe as we show The Chill Is History. The Agony Of De Heat. With your host: Jim Oy Vay.

Jim: "It's been an amazing summer that words can barely describe. But we have a reporter who is never short of words. Take it away, Howard."

Howard: "It's been a summer of heat the likes of which this reporter has never seen. It's fair to say it has been even hotter than the Thrilla in Manila. In Britain, they set a record of 104.5 degrees while 34 sites set records. They tell me they never broke 100 degrees before 2003. And here I thought the most memorable record that I witnessed was Roger Maris' 61st Homer. Even Scotland hit over 94 degrees. My keen reporter's eye observed their kilts were put to good use. Wait! I see Marian Zachariah, research associate at the Imperial College of London. Dr. Zachariah — tell the out of sorts fans listening, is this really due to global warming?"

"Howard, I can honestly say the chances of this British heat wave happening were made ten times as likely because of global warming."

Howard: "You can depend on this reporter for powerful exclusives such as this. I see The Netherlands are spraying their mechanical drawbridges to prevent metal expansion from the heat. Portugal has suffered 238 excess deaths. And France, so dependent on nuclear energy, was forced to cut back production because the water was too warm to cool the reactors. Jim, apparently no nukes is not good nukes."

"I'd like to say we've seen the worst of this but I've just been handed this note. Kristina Dahl of the Union of Concerned Scientists just announced: 'This is a new

normal but don't get used to it because it's going to get worse and worse.'

"And I thought the worst I ever saw was that phantom punch that Ali threw to knock out Sonny Liston. The new normal! You heard it here."

"What's that, Jim? Over to Asia? It seems Japan tied a record of eight straight days of temperatures of 95+ degrees. And it is a Midsummer's Night Steam in China with 2000 sites over 104 degrees. And this reporter is not surprised to learn that heat related deaths have increased there fourfold over the last 30 years and will double again if we reach two degrees Celsius."

"Well, Jim, as usual this reporter was the first on the scene to bear witness to these extraordinary climate emergencies and I'm now ready to head back home. But I hear Newark experienced five straight days of 100+ degrees, Seattle six straight days of 90+ degrees and even Portland had seven straight days of 95+ degree temperatures."

"When it comes to climate change, we can adopt Muhammed Ali's strategy he used against George Foreman — lean against the ropes; take the punishment, hoping it will end soon. Or we take action and come out swinging. Back to you, Jim."

Jim: "Thanks Howard. We close with a sobering thought from Ben Zaitchik, Professor at the Earth and Planetary Science Department at Johns Hopkins University: The best case scenario is still this is the coolest summer you'll experience in the rest of your life."

"This is Jim Oy Vay saying so long for Wide World Out Of Sorts. We'll see you next time. If there is a next time."



W O T S P O T S

☀ **Electric Charging Stations: We Did It Byway:** Recognizing the growing need for electric charging stations, the governors of Wisconsin, Michigan, Illinois and Indiana announced their intent to create a new Scenic Byway, the Lake Michigan Electric Vehicle Circuit Tour. Covering more than 1,100 miles along the Lake Michigan Shoreline, an extensive network of charging stations will be located in coastal communities strategically placed near attractions and businesses. (*Scenic America, posted on 9/24/22*)

☀ **Making Money From Fighting Climate Change? Check This Out:** Canadians received their first checks from their carbon fee and dividend policy. The policy, which reimburses Canadians from collected carbon fees, went into effect in 2019. This is the first year they will receive direct quarterly payments. A family of four can look forward to over \$1000 for the year. (*Citizens Climate Lobby, 7/29/22*)

☀ **Hawaii Goes Coal Turkey:** Under a State mandate, the last of Hawaii's coal plants shut down after thirty years of operation. The State already gets 40% of its power from non-fossil fuel sources. With oil making up the balance, the State will go all-renewable by 2045. (*News-Review, 9/4/22*)

☀ **With Alaska On Fire, Why Not Drill For More Oil?:** So concluded the recently passed Federal Climate Bill. As for Alaska, six of the ten largest wildfires in the United States this year have burned there. Accounting for three million acres, the total burned exceeded all other States combined and is three times the annual average over the last decade. Drought and record high temperatures, such as Anchorage exceeding 60 degrees every day in June for the first time worsened the situation. (*N.Y. Times, 8/21/22*)

☀ **The More The Climate Changes, The More Things Remain The Same:** That's the lesson learned in China suffering from record heat and drought. Lost hydropower is resulting in the use of more coal, with domestic mining and imports from Russia at near record levels. To make matters worse, CATL, the world's largest manufacturer of electric car batteries has been forced to curtail production. (*N.Y. Times, 8/30/22*)

☀ **That Will Teach Them For Not Contributing To Global Warming:** Pakistan, responsible for less than 1% of all greenhouse gas emissions has suffered a climate catastrophe from extreme flooding. At the time of this writing, the tragedy has resulted in over 1,200 deaths, and a million homes damaged or destroyed and 2000 miles of road washed

away. Ironically, this spring, Pakistan experienced record breaking drought intensifying heat which scientists concluded was made thirty times more likely due to global warming. (*N.Y. Times, 8/13/22*)

☀ **Now That's What I Call "Green" Washing:** The melting of ice in Greenland has locked in a ten inch rise in sea levels even if we stopped all fossil fuel emissions immediately. The study published in Nature Climate Change, did not specify a timeline but concluded the increase could be much higher if temperatures continue to rise. (*N.Y. Times, 8/30/22*)

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



Dear Dr. Cool,

I'm back from a very short but productive summer vacation at the Reichenbach Falls. It's where I finally got rid of that so-called 'Great Detective', sending his Doctor companion sliding down the mountain. Talk about a slippery slope! Not to worry. There was little ice thanks to global warming. But don't think too ill of me. I was at least energy conscious when I was gone. At my home, it was AC does it — leaving the air conditioner on since it is better than using all that energy to cool a hot house upon return. Same with my leaving on my lights. But my clothes are filthy from the climb. To paraphrase the Late Great Detective, I'm the Napoleon of Grime. So I'll just wash them in hot water to make sure they get clean. Unlike that other Doctor, you're one that understands me.

Signed,

*Professor J. Moriarty
221A Baker Street (new address)
London, England*

Dear J,

When it comes to energy use, you've graduated from a foolscap to a dunce cap. As that other Doctor might put it, don't leave those Watts-On. You use far more energy keeping the AC on than cooling the hottest of homes. A Dr. Cool should know. The reverse is also true about heating a cold house. When it comes to leaving lights on, your thinking is, and should be, lights out. And as for your wash, 75% of the energy for laundry goes into heating the water and your clothes are no cleaner. It's clear that your clothes are not all that is dirty about you. Say, I just got a note from that other Doctor urging me to give you the razz. It says "Quick, Doctor Cool, Give him the needle." Okay. Professor, I suggest your next vacation should be in Norway. I hear there's an explorer there named Sigerson ...

SO WHAT ELSE IS NEWS?

AROUND THE NATION

WE'RE PLEASED TO TAKE YOUR COAL HARD CASH

That's the message from Senator Joe Manchin's State of West Virginia. But the State will not do business with any financial institution that won't support the coal industry. Other climate denying states are considering similar policies. For the record, those who dare to protect the planet include Goldman Sachs, J P Morgan, Wells Fargo, and Black Rock. However, one bank is still welcome — US Bancorp.

PHOENIX WILL NOT TURN OUR PLANET TO ASHES

In Arizona, the City of Phoenix has allocated six million dollars to plant trees in low income neighborhoods. They are also planning forty miles of "cool pavement" to ease night time temperatures and have a goal of 280,000 electric vehicles on the road by 2030.

BY REPLACING COAL, SOLAR GETS A PASSING GRID

The development of solar farms faces the obstacle of access to the grid. The solution: Replacing existing coal plants that are close to the grid. In Illinois, nine coal plants are on track to be replaced by solar farms over the next three years. Similar projects are taking place in Nevada, New Mexico, Colorado, North Dakota, Nebraska, Minnesota and Maryland.

WANT CLEAN ENERGY AND FOOD LOOK TO THE FARM-EMENT

Farmers are combining solar panels with crops to the benefit of both. The process known as agrivoltaics strategically places solar panels over selected crops. A study by Agrisolar Clearinghouse showed the process fostered growth by shielding crops from high temperatures and aiding water conservation. An Arizona project benefitted from a three fold increase in crop yield and a 50% reduction in irrigation needs.

MAYBE THINGS DON'T GROW BETTER WITH COKE

Pepsico is offering financial incentives to farmers to embrace regenerative agriculture to lower their carbon footprint. Starting out this year with 345,000 acres, Pepsico has a goal of seven million acres by 2030, their entire global farming footprint.

ELIMINATING ROAD RANGE

The Federal Infrastructure Bill will mandate that electric charging stations be placed no more than fifty miles apart and no further than one mile from a major highway.

AROUND THE GLOBE

PIGS CAN FLY. THE EARTH IS FLAT AND . . .

Natural gas is a green source of energy. So declared the European Parliament, allowing this dirty fossil fuel access to billions of Euros in cheap loans and State subsidies. This runs counter to their stated goal of reducing emissions substantially by 2030. Stated climate activist Greta Thunberg "The hypocrisy is striking but not surprising."

YOU MEAN THERE IS A PLANET B?

"Our priority is NOT to save the planet." So declared Tosi Mpanu, the climate representative of the Democratic Republic of the Congo. Home to one of the largest old growth forests on Earth, the country is auctioning off vast amount of that land to become the new destination for oil investments. Their goal: To increase production from 25,000 to one million barrels of oil per day. Physical Geography Professor Susan Page at Britain's University of Leicester noted that this could be the tipping point for the climate.

PERHAPS MEXICO CAN JOIN THEM ON PLANET B

That appears to be the philosophy of Mexican President Obrador who has embraced oil as the savior of his country. More than 50 wind and solar projects are awaiting permits, some going back as long as three years. Tony Payan, a Mexico expert at Rice University, stated "People say: How is he going to fulfill his commitment to climate change? And I always tell people 'Well, he doesn't care. He's an oil man.'"

FOR KANGAROOS IN AUSTRALIA, HOP SPRINGS ETERNAL

That's because the new government is reversing years of climate denial by passing a bill to reduce climate pollution 43% by 2030 and net zero by 2050.

AROUND THE REGION

GENTLEMEN: DON'T REV UP YOUR ENGINES

Oregon has surpassed the 50,000 mark on electric vehicles on the road. A decade ago, there were but 1,000. The goal — by 2025, a quarter of a million.

IT REALLY IS BECOMING A FORBIDDEN PLANET

Smoke from a raging wildfire in California forced the Oregon Shakespeare Festival in Ashland to cancel its open air theater performance of 'The Tempest.' The theater now has a smoke team that holds a daily meeting to determine whether to cancel or proceed. Alys E. Holden, director of production said she has replaced her "show must go on" with "If it's too unsafe to play, you don't play." And, as sci fi fans know, the movie 'Forbidden Planet' is loosely based on 'The Tempest.'





A RIDE AND TRUE SOLUTION TO CLIMATE CHANGE



The Umpqua Transportation Electrification Team, meeting on the fourth Thursday of each month, continues to move forward on its goal to promote the electrification of Douglas County's transportation. Such as:

THE WHEELS ON THE ELECTRIC BUS WILL GO ROUND AND ROUND

Great news for the Umpqua Public Transit District. The U.S. Department of Transportation awarded them 4.6 million dollars for three 35 foot electric buses and three charging stations. They were just one of six Oregon recipients for electric buses and charging stations and only one of 150 recipients nationwide. Umpqua Public Transit will fold solar into the building housing its charging stations and has partnered with Proterra which provides the longest range on a single charge.

GARBAGE IN. GARBAGE OUT.

Roseburg Disposal is constructing an extensive infrastructure to house an electric charging station for their trucks. Under consideration is a Ford Lightning Pickup with a view toward ultimately electrifying their

entire fleet.

GOOD THINGS COME IN SMALL PACKAGES

The Electrification Team has formed a micro mobility subcommittee, concentrating on the education and promotion of the use of electric bikes.

WE SPEAK WITH AUTHORITY

In this case, the Housing Authority of Douglas County. We presented the benefits of electric cars as well as the how-tos for tenants who have expressed an interest in being part of the move toward transportation electrification.

DRACULA HAS NOTHING TO FEAR

Not from these stakeholders. Pacific Power held its first stakeholder gathering here in Roseburg soliciting input on their plans for placing charging stations in their service area. The majority of attendees were from our Electrification Team which gave voice to the rural perspective.

IT CAPTURES THE IMAGINATION, YOUR TAX DOLLARS, BUT...

It does not really capture carbon. It seems so simple. Keep burning those fossil fuels and bury the carbon underground. It is called carbon capture and storage and generous tax credits are available through the Federal Climate Bill. But truth is stranger than fracking. Of the twelve carbon capture and storage projects in the United States, over 90% are using the captured carbon to recover even more oil. How? By injecting the carbon dioxide into oil fields to extract additional oil that would be otherwise trapped underground. At least fifteen projects spent billions of public dollars without sequestering any meaningful amount of carbon dioxide. As Dr. Charles Harvey, Professor of Environmental Engineering at MIT put it: "It's time to bury this technology deep underground."

COLORADO ROCKY MOUNTAIN DRY

A two decade drought in the Southwest with no end in sight has dramatically reduced the flow from the Colorado River, A source of water for 40 million people, the Colorado is near its lowest point ever. Faced with the driest two decades in 1200 years, dramatic cuts in water for dependent states have been made including: Arizona — a 21% cut, Nevada — an 8% cut and Mexico — a 7% cut. To make matters worse, Lake Mead and Lake Powell are at historic lows and Hoover Dam is barely above the level at which it needs to generate hydropower. A similar concern for hydropower generation exists at Lake Powell. And if you think this is bad now, Federal officials echoed the immortal words of the old Brooklyn Dodger fans — Wait till next year.



DID YOU MISS OUR EXCELLENT FORUM ON CLIMATE CHANGE AND THE IMPACT ON POLLINATORS? CHECK OUT THE RECORDING ON OUR FACEBOOK

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

DO YOU THINK YOU CAN KEEP UP WITH THE COALITION? Check out our website: douglascountyglobawarmingcoalition.com or our [Facebook Page](#)

HOT SPOTS PARTY DEUX

☀ **Those Butterflies Should Not Have Listened To Horace Greeley:** Monarch Butterflies west of the Rocky Mountains have seen a 99.9% decline. Climate change-induced storms, droughts, and early plant sprouting throwing off the cycle for insects have contributed to the decline. As a result, The International Union of Conservation for Nature have placed the Monarch Butterfly on the endangered species list. *(N.Y. Times, 7/22/22)*

☀ **If This Continues, The Seagulls Won't Stop This Time:** Utah's Great Salt Lake is drying up. The area it now covers is roughly down to 1,000 square miles from 3,300 square miles 35 years ago. As a result, migrating birds and brine shrimp are threatened. Less snowpack due to global warming is partly to blame and, ironically, the smaller the lake, the less moisture is available to feed the snowpack. *(N.Y. Times, 6/8/22)*

☀ **Eventually, We Won't Need A Special Set For Jurassic Park:** Carbon dioxide levels in the atmosphere hit 421 parts per million, the highest in four million years. Pre-industrial levels stood at 280 parts per million. Since that time, we have poured 1.6 trillion tons of carbon dioxide into the atmosphere. And the rate of increase has not changed one bit. *(N.Y. Times, 6/4/22)*

☀ **Don't Send In The Marines!:** Marine heat waves, a natural phenomenon, have been amplified by warming seas. They are associated with toxic algae poisonous to marine life. As the Earth warms, more can be expected in the future. *(National Oceanic And Atmospheric Administration as reported by PBS, 8/14/22)*

☀ **Can Bulwinkle Save His Friend Rocky?:** In Australia, the Greater Glider which resembles a flying squirrel, is one of 200 plants and animals threatened over the last six years. The State of the Environment Report noted climate change in the form

of more severe drought, extreme weather events and habitat modification is becoming a new driver for habitat change and species loss. *(N.Y. Times, 7/20/22)*

☀ **To Heir Is Human:** Two non-profit organizations, the Climate Emergency Fund and the Equation Campaign, are helping fund climate activists who disrupt fossil fuel companies including the use of civil disobedience. Among the funders is Aileen Getty, grandchild of the founder of Getty Oil and two members of the Rockefeller family that established Standard Oil. Commented one descendent: "It's time to put the genie back in the bottle." *(N.Y. Times, 8/12/22)*

☀ **London's Bridge Is Falling Down:** The Victorian Era Hammersmith Suspension Bridge over the River Thames was threatened by the unprecedented heat wave that hit England. The high temperatures posed the possibility of widening existing fractures, endangering the bridge's stability. As a result, the bridge was wrapped in a protective foil. One wonders if climate change will ultimately foil us all. *(N.Y. Times, 7/19/22)*

☀ **Even More More Ominous Than The Loch Ness Monster:** Long regarded as the birthplace of golf, Scotland is facing a miscarriage of justice. With one in six golf courses along the coast, climate change poses a threat due to flooding and erosion. Not to worry — I hear there's a golf course available in Saudi Arabia — And I can't imagine what that country has to do with global warming. *(N.Y. Times, 7/17/22)*

☀ **Want More Sea Level Rise? Just You Thwaite!:** The Thwaites Glacier is holding back a significant amount of ice in the Antarctic — an amount which has the potential of raising sea levels substantially. It is melting at a rate of 100 meters per year thanks to a record forty degrees in the water underneath. *(Reported by PBS, 7/25/22)*



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

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541.672.6296
info@orserigraphics.com

UMPQUA VALLEY
FINANCIAL

Steve Tuchscherer
CPA

541-677-8100
171 NE Exchange Ave.
Roseburg, OR 97470

steve@oregoncpas.com
Securities and advisory services offered through
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SUPREME INJUSTICE — A BEDTIME STORY



Little Girl: Daddy, tell me a real scary story — not just one like the Big Bad Wolf — But one that gives me nightmares.

Father: *(takes a deep breath)* Okay. I hope you're old enough to listen to this.

Once upon a time, a good King looked around and said: "See all this dirty air coming from coal plants. And this dirty air is making trees burn, causing great floods and making everything so hot that animals are starting to die."

Little Girl: So what did the Good King do?

Father: He ordered these coal plants to stop so people would not be hurt.

Little Girl: That's a great story. But, Daddy, that wasn't very scary.

Father: Oh, you haven't heard the bad part. It's about these evil Trolls who were making lots of money from these coal plants. And they set out to stop the Good King from getting rid of the dirty air.

Little Girl: *(Pulling the blanket over her head)* Uh, Oh! I'm starting to get scared.

Father: So the evil Trolls ran to the Supreme Wizards — nine of them — who had the power to decide whether the Good King would be allowed to get rid of the dirty air.

Little Girl: I think I know what's coming.

Father: It turns out that six of these Wizards were really Big Bad Wolves in disguise.

Little Girl: Oh, Daddy, six of them!

Father: Yes, and they said, "We can't give the Good

King so much power. Because this is a major question."

Little Girl: A major question? What does that mean?

Father: Nobody ever heard of that before. But they didn't care. They said, "Only those who make the laws can decide this." Even though they knew the lawmakers long ago had given the power to the King's men and women who were really the ones who were smart enough to know how to stop the dirty air.

Little Girl: But what did the three other Wizards say?

Father: They were horrified. They pointed out how serious the problem is.

Little Girl: Didn't the Big Bad Wolves care about that?

Father: Not in the least.

Little Girl: So we will have floods, fires and it will be too hot. Daddy, this is too scary. Can't you come up with a happy ending?

Father: *(smiling)* Yes, I can. It turns out the Good King had an heir to the throne who became King himself. He worked and he worked until all the good lawmakers found a way to help stop the dirty air.

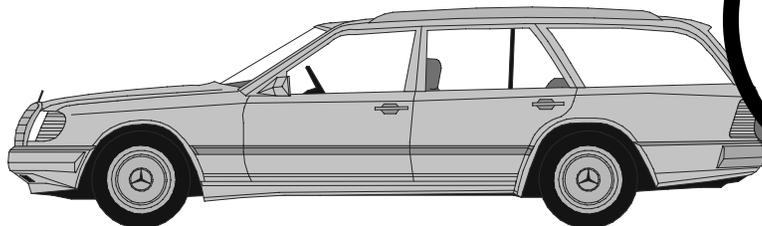
Little Girl: *(Breathing a sigh of relief)* I feel much better now. But I have one question. How did the Six Big Bad Wolves get to be Supreme Wizards?

Father: Well, there was an evil Warlock who took over from the Good King and, well, that's an even scari-er story for another day.

Little Girl: Yes, please, not now. Good night, Daddy.

Father: Good night, Precious. Sweet dreams.

THE AGC — NOT A COLLEGE SPORTS DIVISION



It's Oregon's Advanced Clean Car II Rule to be modeled after California's coming requirement that all new auto sales be electric by 2035. A decision by Oregon's Environmental Quality Commission will be forthcoming by the end of the year. Public comments are

strongly encouraged starting 9/23/2022 in support of the rule and urging incentives directed toward low income and impacted communities. A Rulemaking Advisory Committee has been meeting with the Coalition as one of its members.

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Winery

Michael & Vonnice Landt
Owners/Winemakers



P.O. Box 539
1395 River Drive
Elkton, Oregon 97436

phone: (541) 584-2357
fax: (541) 584-2837

www.riversedgewinery.com
email: wines@riversedgewinery.com



JUST THE FACTS MA'AM

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

Myth: It's a great idea to 'offset' your own carbon pollution by paying others to reduce their pollution.

Fact: Offsets: A simple way to continue to go along your merry way and pollute the climate so long as you pay others — usually corporations and fossil fuel companies — to reduce their carbon footprint by an equal amount. And it isn't the sole province of climate deniers who support this idea. But should this alleviate your climate guilt? Who would know better about guilt than my late Jewish mother? So I visited a medium to get her perspective.

"So, mom, what do you think?"

"For forty years I've been dead and I hear from you nothing. And now you bother me over this? God gave me such a son.

"You want my answer? Okay, in a word — Feel guilty.

"A great Professor told me (you should be so smart) don't be under the illusion you are reducing your pollution by an equal amount. Not even close. Two studies looked at California's forest carbon offsets and they overstated their reductions by 80% or more.

Nu, so what did you expect? ProPublica did a study in 2019 and found similar results.

"In Europe where your grandmother was born (and she would like you to remember her from time to time) they looked at this six years ago and found 85% of the projects failed to live up to their promise. Believe me, your mother knows what it's like to have promises broken. And these forest fires in California, you should know from. They burned 150,000 acres set aside for these offsets. So my son, the math genius, these numbers should tell you something.

"You know, in the Middle Ages, people paid churches for the right to sin. They were called indulgences. So if you want to indulge, I don't what to know. Instead, do a Mitzvah. Reduce your own carbon pollution. Period.

"In the meantime, I'm going back to have a talk with your father. Next time you contact me, come up with something better than this. Your mother will still be here, suffering patiently, waiting to hear from you.

"With my luck, it will be another 40 years from now."

HEAR YE! HERE FREE!



Do you know someone who would like to receive our newsletter? Contact us at:
douglascountyglobawarmingcoalition@gmail.com or 541-672-9819

APPARENTLY, WE'RE ALL MARXISTS NOW

TOO OFTEN, WE CLIMATE ACTIVISTS ARE ACCUSED OF BEING MARXISTS BY CLIMATE DENIERS. IN ACTUALITY, IT TURNS OUT THEY ARE THE REAL MARXISTS!

OF COURSE, I'M REFERRING TO GROUCHO MARX.

HIS OBSERVATION FITS THEM TO A TEE:

"THESE ARE MY PRINCIPLES. IF YOU DON'T LIKE THEM, I'VE GOT OTHERS."

