

DOUGLAS COUNTY

GLOBAL WARMING COALITION

SUMMER 2021



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.

RETHINKING HORACE GREELEY

"Tomorrow's freedom and fundamental rights must not be burned up by our emissions today."

Christopher Bals, Executive Director, Greenwatch

In retrospect, we should have taken Ed Wood's favorite psychic, Criswell, more seriously. Thirty years ago, when I first started working on global warming, the warnings of a future crisis seemed so distant — and were unheard, like the proverbial tree falling in the forest.

But for those of us who did go West, the future has become the present. And with a vengeance. For the lack of April Showers brings May Fires. What we are now seeing is a grim reminder of not only what was predicted but yet another warning of what the future holds in store.

Fit to Be Dried

Particularly in the Western half of the United States. In fact, 84% of the West is in a drought, with 47% rated extreme. For those who are consulting your tourist guide book, here are where the percentages of severe drought are the highest: Utah-90%,

Arizona-87% North Dakota-85%
New Mexico-80% California-73%

An example of the drought's impact: In Arizona, 30% of Juniper trees across 100,000 acres died this past April.

Remembering The Good Old Days

That's what a study by Joel Biederman has harkened back to. As a research hydrologist with the U.S. Department of Agriculture Southwest Watershed Research Center in Tucson, he pointed out that in the Southwest, storms averaged 30 days apart fifty years ago. Today, they are 45 days apart. Climate scientist William Anderegg of the University of Utah

CALENDAR

ONGOING PUBLIC HEARINGS

By State Agencies implementing the Executive Order on Climate Change
Dates and Information: 541-672-9819

LOCAL TRANSPORTATION ELECTRIFICATION GROUP

Meeting by Zoom every fourth Thursday — 4 PM
Information: 541-672-9819

ANNUAL SMART ENERGY GREEN AND SOLAR TOUR

Fall, 2021 (Pandemic permitting)
Date and time to be announced
Information: 541-672-9819

UMPQUA WATERSHEDS — THREE JULY EVENTS

Kids For Nature (3 week course)

July 24th

Information: ryan@umpquawatersheds.org

River Appreciation Day

July 17th starting at 1 PM

Information: kasey@umpquawatersheds.org

Twin Lakes Youth Campout

July 21st — 25th

Information: ryan@umpquawatersheds.org

commented on this study:

"Climate models project the American Southwest is very likely to experience more frequent and more severe droughts. This study and other recent works demonstrate this dry down has begun."

Is The Fire Still Called Joe?

Whatever they call it, the drought has left wildfires in its wake. Fires in the Santa Cruz mountains from last summer were still smoldering in March. And in the other half of California, the words of Ralph M. Tarrazas, chief of the Los Angeles Fire Department: "We really don't have this type of fire — this size of fire in May. I think we really have to think of brush fires as a year round challenge."

And California is not alone in early fires. May 1st ushered in New Mexico's first major wildfire.

Razing Arizona

In Arizona, twelve times as much land burned in the first four months of 2021 as in the same period last year. The grim statistics:

Cont'd on Page 2 ►

PROMOTE GLOBAL COOLING

<i>(through April)</i>	2021	2020
Fires	311	127
Acres burned	15,555	1,290

(As a point of information, the line “The Fire’s Called Joe” comes from the song “They call the Wind Maria”)

Will The Present Be Prologue?

When it comes to droughts and fires, the climate crisis has arrived. But is it a harbinger of worse to come?

In the past, we ignored the observation of the psychic Criswell. As Guardians of our climate future, we still have a chance to shape what is to come. For as Criswell so astutely put it: “The future is where you and I will spend the rest of our lives.”

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



Dear Dr.Cool,

Some call me a ‘Babe In The Woods’ on electric vehicles (EV’s). But this latest proposed Federal bill makes this grown man groan. Imagine 392 billion dollars! That’s what this bill would spend offering vouchers if you trade in for an EV. Don’t they realize the old trade-ins will still be on the road? So what does that accomplish. And even if they increased EV sales 60% by 2050, still only 40% of the total cars would be EV’s and the rest those old gas powered cars. You don’t have to be a Road Scholar to know the math doesn’t work. I’m so irate; I’m burning on all cylinders. For now, I’ll fill up at Phillips.

Dr. Cool, I’m just hot!

So just sign me:

*Another Babe in Oil Land
 Chevron Way — Apartment F-150
 Daytona Beach, Florida*

Dear Babe.

When it comes to EV’s, I’ve got new Babe. Our oil based economy? We’re slick and tired of it all. But not to worry about those old trade-ins. It’s true — they are sent to Mexico by the thousands and no wall can stop it. A better policy is ‘Cash and Burn.’ When you get a voucher for an EV, send those trade-ins to the scrap heap. And to make sure we have nothing but EV’s on the road by 2050, have all car sales be electric by 2035. Not possible, you say? Just ask GM. And remember Paris? You don’t? You draw a Casablanca? In Paris, they reduced car travel 45% by increasing the number of trains, buses and bike paths. Less cars. Less EV’s needed. Did I hear you say you will now consider buying an EV? Oo-Wee, This could be the beginning of a beautiful friendship.

JUST WHAT HAVE YOU BEEN UP TO?

A Planet Is Not Without Honor...: At least from the Coalition’s perspective. To mark Earth Day, we posted on our Facebook our members’ reflections on Honoring The Earth In The Year Of The Pandemic. *(see article inside)*

We Buy Into Bio: The Coalition partnered with the Umpqua Biochar Education Team to purchase enough biochar for gardens at five schools. Biochar not only sequesters carbon, but also increases the health of the soil. *(see article inside)*

Making Sure The Future Of Fossil Fuel Fizzles: The Coalition and its members lobbied for passage of House Bill 2021. This bill would require all electricity to come from clean sources and ban new fossil fuel plants. *(see article inside for a complete Oregon legislative summary)*

EO — EO — NO!: The Coalition worked with our State allies to make sure the Department of Environmental Quality and other State Agencies fulfilled their obligation to reduce climate pollution under the Governor’s Executive Order. *(See article inside for details)*

Smoke Gets In Their Lies: The Oregon Occupational Safety and Health Administration is preparing rules to protect workers from wildfire smoke and climate change enhanced heat. The Coalition testified in opposition to industry’s efforts to relax these rules.

Promoting Electric Vehicles In Douglas County — The Coalition Is In Charge: We worked with key stakeholders to explore ways to promote and expand the use of electric vehicles and charging stations in businesses, non-profits and government. *(see article inside)*

JUST WHAT WILL YOU BE UP TO?

A Sun-sible Approach To Climate Change: As the Pandemic eases, we are hopeful, once again, to host a Smart Energy Green and Solar Tour. Stay tuned.

Coming Down The Home Stretch — Is Oregon’s Commitment To Fighting Climate Change A Stretch: We will continue to press State Agencies to meet the goals of reducing climate pollution as required under the Governor’s Executive Order.

Not Just Fleet Of Foot But Fleet Of EV’s: The Coalition will continue to bring together stakeholders to explore ways of electrifying the fleets of non-profits and businesses.

A Carole King Message For The Climate: Our ‘Friends Of The Climate’ Project will be launched, posting tips on our website and in businesses on how individuals can take steps to reduce their carbon footprint.

THE GOVERNOR'S EXECUTIVE ORDER ON CLIMATE CHANGE — (OR IS IT DISORDER?)

In March, 2020, the Governor's Executive Order directed State Agencies to cumulatively reduce greenhouse gas emissions below 1990 levels — 45% by 2035 and 80% by 2050. So how are they doing?

DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)

(DO THEY STILL DESERVE THE "Q"?)

- ⊗ THEIR LINE IS BASE: DEQ decided to reject 1990 as a baseline for reducing emissions and use 2010 instead, thereby making sure fewer emissions are reduced.
- ⊗ WIRE THEY DOING THIS?: DEQ claims they don't have the power to reduce emissions in the electricity sector — but if not them, then who? While coal is phased out under existing legislation, Northwest Natural, Avista and others will still be allowed to pass gas.
- ⊗ METHANE IS STILL GETTING IN ITS LEAKS: DEQ will not control methane leaks, claiming they can't measure it. Perhaps they are in the wrong business.
- ⊗ JUST DO NOT CROSS THIS THRESHOLD: Polluters can emit up to 200,000 tons of climate pollution per year and escape regulation.
- ⊗ PAYING FOR RENEWABLES — INDUSTRY WILL BUY THAT!: They can buy renewables and still pollute. Unfortunately, the rules at this time do not require the renewables to totally offset their emissions.
- ⊗ NATURAL GAS — WE'VE HAD OUR LANDFILL: Here's a way DEQ can make sure natural gas is here to stay — call it renewable. They will allow methane from landfills to generate electricity, giving companies a vested interest in expanding landfills.
- ⊗ WE'LL BE GOOD. HONEST!: All that stationary sources have to do is pledge to use the best technology available rather than meeting any targets. I believe them — Don't You?

OREGON DEPARTMENT OF TRANSPORTATION (ODOT)

(CAN THEY CONNECT THE DOTS?)

- ⊗ PERSON TO PERSON WILL GO STATION TO STATION: ODOT will issue a detailed analysis of the gaps in electric charging station infrastructure.
- ⊗ LOW HANGING FRUIT IS FRUITLESS: ODOT's Climate Action Plan identified the easy "low hanging fruit" but had no vision of major initiatives needed to address climate change.

AGRICULTURE

(PLANTING THE SEEDS OF ACTION)

- ⊗ WILL THE GLOBAL WARMING COMMISSION COMMIT?: They are drafting goals and practices for reducing emissions to be released late this summer.

FORESTRY

(CAN THEY ALSO SEE THE TREES?)

- ⊗ THE BARK TAKES A BITE OUT OF EMISSIONS: The Global Warming Commission surprised us by taking a stand on protecting old growth and favoring longer rotations.

PUBLIC UTILITY COMMISSION (PUC)

(WILL UTILITY EQUAL FUTILITY?)

- ⊗ THE OPPOSITION LEFT THEM GAS-PING FOR AIR: The PUC held a workshop on the future of Natural Gas. The opposition came out in force and let them know when it comes to rejecting the future of natural gas — there is no time like the present.
- ⊗ ON THE OTHER HAND...: The PUC held a positive workshop soliciting public input on electrifying Oregon.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

(OSHA) — (DEALING WITH THE DOORS)

- ⊗ IF YOU LIGHT OUR FIRE, PROTECT OUR WORKERS: OSHA issued draft rules on protecting workers from wildfire smoke and heat.

WHAT, ME HURRY?

In case Mad Magazine's Alfred E. Neuman was determining climate policy, The International Energy Agency issued a report stating we better get away from fossil fuels and we don't have a minute to lose. Their stern recommendations:

- ↩ No new coal plants.
- ↩ No new oil and gas leases.
- ↩ After 2025, ban the sale of oil and gas heating furnaces.
- ↩ By 2030, electric vehicles must represent 60% of all car sales. By 2050, all cars are electric.
- ↩ By 2035, half of new heavy duty trucks are electric
- ↩ By 2040, half of all air travel is fueled by clean

alternatives.

- ↩ By 2030, the number of solar and wind farms is quadrupled.

As noted by Faith Birol, the head of the International Energy Agency, "There's still a huge gap between the rhetoric (of the world's pledges) and the reality."

Growing up, I relished the vicious satire of Mad Magazine. With its demise, I wonder if there is a correlation between that and our own failure to see the climate crisis as it is. As an homage to the magazine's founder, I will simply state on climate action:

Nothing Ventured, Nothing Gains.



THESE BILLS PASS MUSTER (BUT WILL THEY PASS THE LEGISLATURE?)

At the time of this writing, the legislature is still in session. They are scheduled to end the session on June 30th. So here is an early report on the latest bills:

- ☹ HB 2021: The most important climate bill we are fighting for. It will require all electricity to come from clean, renewable sources. Passage likely but not certain.
- ☹ HB 2398: Allows local jurisdictions to exceed the State energy efficiency code by 10% Unlikely to pass.
- ☺ HB 2165: Extends subsidies for electric vehicles and doubles the amount for low income households to \$5,000. Covers both used and new vehicles. Passed.
- ☺ HB 2180: Requires commercial and multi-family residential new construction to be "Electric Vehicle" ready. Passed.
- ☺ HB 2062: Updated appliance efficiency standards. Passed.
- ☺ SB 3141: Extends subsidies for energy efficiency through Energy Trust of Oregon. Likely to pass.

And here are the bad bills:

- ☹ SB 3055: Establishes tolling in Portland so more highways can be built. Likely to pass.
- ☹ HB 2342: Charges electric vehicles by the mile beginning in 2027. Likely to fail.

THE MORE THE CLIMATE CHANGES, THE MORE IT DOESN'T REMAIN THE SAME

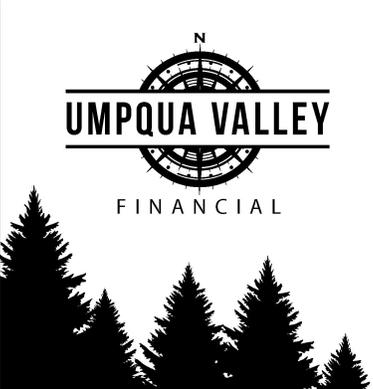
So says the Environmental Protection Agency, after a four year gap in climate change updating (I wonder how that happened). Here in our country, they noticed a few things going on. For example:

- ☹ Over the last century, temperatures rose 0.16 degrees per decade.
- ☹ Since the 1960's the number of heat waves in large U.S. cities tripled from two to six annually.
- ☹ Sea levels rose along the East and Gulf Coast over the last 60 years. In some places, it rose up to eight inches. As a result, there was a five-fold increase in flooding in some areas.
- ☹ Over the last 50 years, the surface area of glaciers in Glacier National Park shrunk by one-third.
- ☹ The long term drought in the Southwest is affecting the availability of drinking water and hydroelectric power.
- ☹ The warming climate has expanded the areas impacted by Lyme disease.

It turns out when it comes to the effect of climate change and American Exceptionalism, America is no exception.

ONE CASE WHERE THE SWISS AREN'T NEUTRAL

Swiss RE, one of the world's largest providers of insurance to other insurance companies, projected a reduction of 14% in economic growth due to climate change when compared to a non-climate change scenario. That amounts to a reduction of 23 trillion dollars annually. As usual, the richer countries suffer less with a reduction in the neighborhood of 7%. Meanwhile, Malaysia, Thailand and the Philippines would see a decline of 20%. And in a worst case scenario, the drop would be 50%. But after all, a trillion here, trillion there — and soon you're talking real money.



UMPQUA VALLEY
FINANCIAL

Steve Tuchscherer
CPA

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

steve@oregoncpas.com
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Burt R. Tate
biologist

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graphic design

333 NE. Jackson St
Roseburg, Oregon • 97470

541.672.6296
info@orserigraphics.com

SO WHAT ELSE IS NEWS?

AROUND THE GLOBE

WANT TO FIGHT CLIMATE CHANGE?

LET THEM COME TO BERLIN

In Berlin, Germany's highest Court ruled the Government did not go far enough to reduce carbon emissions to zero by 2050. The Court stated: "The Appellants, some of whom are still very young, have had their liberties violated (by the failure to act fast enough)."

WE'LL DO BETTER. HONEST!

At the latest International gathering on climate change, the countries of the world updated their pledges to reduce climate pollution. Here are the percentage reductions pledged by major polluters by 2030 (compared to 2005):

The United States	52%
Great Britain	63%
European Union	51%
Canada	45%
Japan	44%
Australia	28%
China	Peak by 2030
India	no commitment

There! Problem solved. Then again, ask me in ten years.

SURE WE'LL MEET OUR CLIMATE GOALS

I MEAN GOALS

The International Energy Agency reports coal burning is set to rise 4.5% world-wide. Melissa C. Lott, research director at the Center on Global Energy Policy at Columbia University stated: "Coal is not dead. We have made a lot of progress but we have not made that curve."

STOPPING CLIMATE CHANGE IS ANYBODY'S GAS

Climate polluting methane gas continues to grow in use. It represents 35% of electricity in the United States and 20% in Europe. The number of countries importing liquid natural gas has doubled in less than four years. Natural gas supplies ¼ of all energy world-wide.

ORDER FRENCH FRIES SO WE DON'T FRY

A proposed climate law in France will require less meat at cafeterias and vegetarian meals at State Canteens. It would also prohibit domestic airline flights if the journey can be made by train in under 2 ½ hours. Fossil fuel advertising would be phased out and goods sold in supermarkets would have an eco-score. No further airport expansion would be allowed. As for the fries, the message to McDonald's: "We'll have it our way."

WHO DO YOU BELIEVE

TRUDEAU OR YOUR OWN EYES?

Over the last four years, carbon emissions in

Canada have risen 1% — the only G7 country to see an increase since the Paris Agreement. Nonetheless, Prime Minister Trudeau insists Canada is on track to meet its pledged reductions of 45% by 2030.

AROUND THE NATION

YES, BUT DID THEY RUN IT PAST GEORGE?

Twelve miles off the coast of Martha's Vineyard in Massachusetts, construction will begin on 84 wind turbines — sufficient to generate 800 megawatts of electricity and light up 400,000 homes. This is part of the Biden Administration's pledge to build 30,000 megawatts of offshore wind by 2030 generated by 2,000 turbines.

THE COST OF CLIMATE CHANGE:

NO CHANGE LEFT

President Biden issued an Executive Order requiring government agencies to prepare for climate related shocks around the economy. This includes the reporting of risks to Federal assets and tax revenue. It also says the government should consider requiring companies with which it does business to disclose their greenhouse gas emissions.

THIS SUCKER'S QUICK!

So observed President Biden as he raced Ford's F-150 Lightning — the electric alternative to America's most popular truck. To be sold next spring at a cost of just under \$40,000, it has a range of 230 miles. A higher priced model of just under \$60,000 has a range of 300 miles. Features include 11 power outlets and a battery that can power a home for three days in case of an outage. Ford is betting this Lightning will strike more than twice.

DONALD TRUMP — MEET GILDA RADNER

After the Obama Administration put strict limits on methane leaks from new drilling sites, Trump overturned the rule. Congress has now overturned the overturn. Or as Gilda would put it: Never Mind!

GIVING HIM A MALPASS

Donald Malpass, World Bank President, unequivocally described climate change as an immense global problem and expressed the need to transition away from coal. And, by the way, he was appointed to the position by Donald Trump.

BIDEN TAPS INTO HIS INNER BOY SCOUT

Be prepared for the coming weather disaster. And President Biden has committed \$1 billion to help communities do so. As for the price tag, the U.S. experienced 22 such disasters that exceeded \$1 billion last year alone.

THE TRUMP QUIZ SHOW: THE PRICE IS WRONG

That's what the Biden Administration concluded when they reversed the Trump rule that evaluated climate change on the cost of taking action without con-

sidering co-benefits. The repeal of the rule requires no public hearing. So there!

OFFSHORE WIND PERMITS TODAY FOR TO-MORRO

The Biden Administration gave the green light for offshore wind farms at Morro Bay and Humboldt in California. Together they will generate enough electricity to power 1.6 million homes.

THE UN-DIRTY DOZEN

Twelve States sent a letter to President Biden urging him to require all new car sales be electric by 2035.

And they are leading by example. So, for those who like to play Geography, they are: California, Connecticut, Hawaii, Maine, Massachusetts, New Jersey, New Mexico, New York, North Carolina, Rhode Island, Washington — Did I forget someone?

Oh, yes — Oregon.

PROTECTION FROM THE LEASE AMONG US

The Arctic National Wildlife Refuge was given a new lease on life when President Biden reversed a Trump order allowing oil and gas drilling there. Not all is rosy, however. The administration is reviewing the legality of the Trump order so his reversal being permanent is not certain.

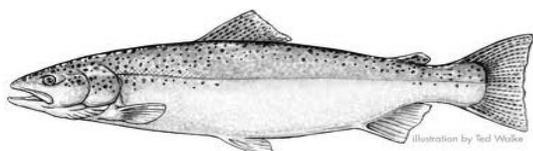
AROUND THE REGION

THE COST OF GOING ELECTRIC MAKING SURE YOU DON'T GO BUSSED

The Oregon Department of Transportation has teamed up with the Department of Environmental Quality to produce a cost analysis tool for transit agencies looking to electrify their fleet. It points out that electric busses reduce lifecycle emissions 65-95%.



Fighting climate change during the Pandemic has presented numerous challenges and obstacles. Many thanks to those who responded to our call to show how they have been Honoring The Earth this past year, some of whom are acknowledged in this newsletter. And as we battle for meaningful climate change legislation, we extend our appreciation to those who urged Senator Prozanski to support House Bill 2021 — a bill to mandate totally clean electricity by 2040. And to all our members who support us in word, deed and spirit — our sincerest gratitude. We can't do this without you.



WHO CAN FORGET THE EARTH? IT'S ALL AROUND US!

While the Pandemic did not allow us to celebrate Earth Day as we have in the past, we invited our members to pass along how they Honored The Earth In The Year Of The Pandemic. We were gratified at the responses we received which were posted on our Facebook. Although space does not permit us to present all the responses, here is a sampling of the inspirational thoughts that came our way:

Greg Flick writes about exploring Medicine Rock: *We came across a boulder that really inspired us. We call it "The Eye Of The World." It gazes across a landscape that is millions of years old... And I ask myself: What have I done to shape the environment in my short seven decades living on the Earth?*

Craig Rundle writes: *I remember people asking me years ago why I thought electric cars were a good idea. Today, there are thousands of these cars on the road and more every day.*

Neal Hadley writes: *What do I hope to save by honoring the Earth? So many things, but ultimately the beauty and awe in a moment to stop and, for no other reason, behold the nature that surrounds us.*

Ruth Kaser writes: *I am grateful to have witnessed bald eagles flying over SE Mosher, cormorants spreading their wings... trillium blooming along forest trails... This year has reminded me that sometimes undistracted attention allows me to see and savor what is there.*

Jacie Pratt and Lillene Fifield ages 85 and 79, write: *(We) experienced the special joy of having new residents move from Maine across our dead end street... and decided to share our abundant garden with them this summer.*

Beverly Paulson writes: *When I drive... I make a list of what I need to do and avoid frequent trips. Newspapers pile up... and friends who have a huge garden pick them up for their compost piles. I also recycle mixed paper... wine bottles and glass jars... plastic milk jugs, tin cans and flattened corrugated boxes.*

And finally, Mary Nora Trotogott submitted a poem by her husband John — "Ode to an Umpqua Spring." It reads in part:

*There're daffodils, but first impatiens
Much activity by God's creations
Creek level rises, grasses high
Mallards splash from the blue sky
Doves and Owls soulful croon
Woodpeckers hammer forest tune
Mother Nature
Abets my mind
So grateful for all of this
My life, so full of bliss*

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

In the past, we have discussed the high emissions produced by the clothing industry. But there are alternatives. One is from food waste. Or as we refer to it:

BE WEAR WHAT YOU EAT

Here's a delicious sampling:

- ♻️ A WHOLE NEW DEFINITION OF 'FRUIT OF THE LOOM': The company 'Orange Fiber' makes fabrics from orange peels and Tommy Hilfiger has a collection from apple skins and cores — but be careful to avoid the seeds.
- ♻️ LIVING ON THE DOLE: Pimatex makes fabrics from pineapple leaves — no extra land, water or fertilizer is needed.
- ♻️ TEXTILES FROM MUSHROOMS? DON'T KEEP US IN THE DARK: Still in the development stage, this promising process as an alternative to leather, uses less water and emits fewer greenhouse gasses than the production of leather.
- ♻️ WITH A LITTLE HELP FROM MRS. OLSON: The German sneaker company, nat-2, is using recycled coffee grounds to produce shoes with a suede-like upper.
- ♻️ NO, THE MARX BROTHERS DID NOT INVENT THIS: The husks from coconuts are being infused into fabrics for odor absorption. Adidas, among others, utilizes this process.
- ♻️ NO, YOU DON'T HAVE TO ADD KETCHUP: McCain Food is providing raw materials from spud waste for bioplastics. These are used for glasses frames and buttons.
- ♻️ I DON'T REMEMBER THIS FROM THE SONG 'DAY-O': Banana fiber from the inedible portion of the plant is being used to create a leather like product from the company Bananatex. It is being used in sneakers and light summer dresses.

So, there you have it. Wait! I just realized it's late morning and I'm still not dressed. I think I'll go raid the refrigerator.



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

BIOCHAR FOR SCHOOL GARDENS....CONT'D

by Scott McKain

The Douglas County Global Warming Coalition and the Umpqua Biochar Education Team have purchased a bulk load of biochar for the school garden project. Deliveries have been made to Winchester, Green, Melrose, Fir Grove and Glide Elementary schools.

The biochar was purchased from Rogue Biochar and the Douglas County Farmers Co-Op. The biochar is a bi-product of burning biomass to generate electricity to the grid. Using locally manufactured biochar in agriculture is a winning strategy for southern Oregon.

Mary Brown, garden coordinator at Glide Elementary invited reporters from the News Review to attend the delivery to her school. That resulted in a front page article published on June 4, 2021.

Outreach continues to schools with food gardens in Douglas County. Interested parties may contact Scott McKain at ssmckain@charter.net.



NOT JUST THE WEATHER BUT THE TIPS ARE HOT

The Coalition has posted on our website tips for individuals on how they can personally reduce their carbon footprint. Look for these tips to be posted in businesses across the County. If you know of places where these "Friends of the Climate" tips can be posted, contact us at 541-580-1441.

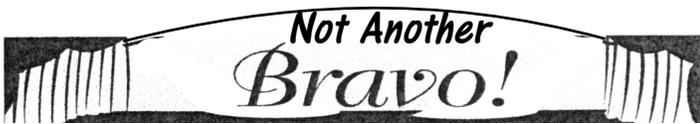
IT'S EV TO GET THE WORD OUT

The Coalition has formed a transportation electrification group to promote and expand the use of electric vehicles in Douglas County. Our efforts thus far include looking for ways to electrify the fleets of non-profits, local governments and businesses. We are beginning to identify funding sources as well. Key stakeholders include utilities, non-profits, businesses and transit. Our meetings, Zoom at this time, are held the fourth Thursday at 4 PM. We welcome additional participants to make our efforts truly worthy of 'current' events. For more information, call 541-672-9819.

W O T S P O T S

- ☀ **America Is Given The First Degree:** The average temperature in the United States has jumped one degree in the last thirty years and 1.7 degrees since 1930. As for the last decade, 90% of the country has higher temperatures. The result: Annual rainfall has dropped 10% in Phoenix and 4.6% in Los Angeles. *(The National Oceanic and Atmospheric Administration cited by the New York Times, 5/5/21)*
- ☀ **We've Got To Get Out of Displaced:** Over 40 million people were displaced from their homes in 2020 — the most in more than a decade. The primary reason: Floods, storms and hurricanes. *(The International Displacement Monitoring Center in Geneva cited by the New York Times, 5/21/21)*
- ☀ **As the TV Detective Monk Would Put It — It's A Blessing... And A Curse:** "A Blessing from God." That is how Aksam Abbas described solar energy for the Syrian province of Idlib. A curse because the area has been so ravaged by civil war, they have no alternative source of electricity. *(New York Times, 5/16/21)*
- ☀ **The Fight On Climate Change — Methane Fails To Make The Cut:** A UN report warns we must significantly reduce emissions of methane to meet climate change targets. A bi-product of so-called natural gas and landfills, methane emissions reached record levels last year. The report also noted rolling back these emissions would prevent 250,000 premature deaths and 750,000 asthma related hospitalizations each year. *(New York Times, 4/25/21)*
- ☀ **Daimler Those Diesel Trucks — Full Speed Ahead:** Daimler, the world's largest maker of heavy trucks, is committed to zero emission vehi-

- cles by 2035 — or sooner. Their aim is to have battery powered short haul trucks ready by 2025. As for long haul trucks, a prototype of a hydrogen fuel cell model can go 600 miles between fill ups. The goal: Have it ready by 2027. *(New York Times, 5/24/21)*
- ☀ **The Best Range For An EV — It Can Benz And Still Brake:** In the drive to extend the range of electric vehicles, Mercedes has developed the model EQS that has a range of 480 miles — tops among all EV's. *(New York Times, 4/17/21)*
- ☀ **I May Not Know Art But I Know What I Don't Like:** And it is digital art known as NFT. The product has a pronounced impact on the climate. An average NFT requires energy equivalent to 500 miles driven by an average American car. *(New York Times, 4/16/21)*
- ☀ **Cryptocurrency Has Nothing To Do With Superman's Dog:** But it does have to do with Bitcoin. And it's not great for the planet. Researchers at Cambridge University estimate that the use of Bitcoin is responsible for more energy use than some countries like Argentina. *(New York Times, 4/15/21)*
- ☀ **Climate Change And Heat — A Case Of Grim, Can't Bear It:** Research covering 43 countries showed that 37% of deaths in warm seasons are attributable to climate change. In some Central and South American countries, that percentage was greater than 70%. *(The journal Nature Climate Change as reported in the New York Times, 6/1/21)*



Yes, and it's about time we recognized the person whose artistry and keen eye has been responsible for crafting these newsletters. For fifteen years, Dave Shafran has lined up this information with graphics and flair, without whom this newsletter would not be in your hands. Thank you, Dave, for sharing your commitment and artistic gift for all these years and making this essential part of our work possible.

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MESSAGE FROM SCOTTY: "CAPTAIN, WE'VE GOT NO POWER!"

So states research published in the journal Environmental Science And Technology. Climate change has increased the number of heat waves which in turn has made power failure more common. Over the last five years, the number of blackouts in the U.S. has doubled — occurring most often in the summer.

The researchers then wanted to find out how many homes would heat up to 89.6 degrees during such a power failure. This is the temperature at which the National Weather Service says heat stroke is possible. Using computer models, they targeted three cities — Atlanta, Detroit and Phoenix. The results were alarming. In Atlanta, 70% of residents, or 350,000 people, met this threshold. In Detroit — 68% or 450,000 people. And Phoenix — 1.7 million would suffer. To make matters worse, the cooling centers in each city could accommodate less than 2% of the population.

When Scotty lost power, he would blame the dilithium crystals. For us, we have no one to blame but ourselves.



WILL HAVE SOME DOUGH

The Oregon Department of Energy (ODOE) has received \$100,000 from the U.S. Department of Agriculture to offer grants this summer for the cost of energy audits. Eligible recipients will be rural farmers, ranchers and small businesses. Stay tuned for more details.

**DO YOU THINK YOU CAN KEEP UP
WITH THE COALITION?
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*Check out our FaceBook Page***

**BE SURE TO CATCH THE MONTHLY COLUMN IN THE
NEWS REVIEW
DOUGLAS COUNTY
SMART ENERGY**

J U S T T H E F A C T S M A ' A M

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

Myth: Spending money on climate change is not a good investment — in fact it's more trouble than it's worth one way or another.

Fact: It sounds like the climate change debate has been taken over by the Wicked Witch of the West. Let's pull back the curtain and check out the facts.

By 2100:

The cost of keeping the temperature rise at two degrees Celsius — average estimate is 16 trillion dollars.

The cost of keeping the temperature rise at 1.5 degrees Celsius — average estimate is 30 trillion dollars.

Cost as a measure of Gross Domestic Product — A range of 1.5-4%.

Now let's look at the cost of inaction.

According to Moody Analytics — A mere 69 trillion dollars.

As for Gross Domestic Product — at 3 degrees — a cost of 5% and at 5 degrees — 10%. Some estimates go as high as 23% if present trends continue.

And over the last 50 years, the income of poor countries is down as much as 30%.

It is, as economist Solomon Hsaing put it

"A death by a thousand cuts."

But it takes the sharp eye of THE KING to remind us it is more than just money that is at stake. For he knows all about "HeartBreak."

*There is no maybe, I'll show you
An ominous tale to tell
Just take a walk through climate heat
To HotBreak Hotel
So spend that money — that's no lie
Sea level keeps a-risin'
Ag production down
Disease and pollution — they'll be
comin' round
So spend that money or we'll cry
Heading for extinction
Species numbers down
If this should thus continue —
there'll be no forest sound
So spend that money or they'll die
Here's a message for deniers
There's a place for you to dwell
Let them know they won't find us
at HotBreak Hotel
We'll buy solutions — not their lies*

Thank You Very Much.

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HERE I AM, TRYING TO ENJOY THE BASKETBALL PLAYOFFS
AND ALL I CAN THINK ABOUT IS THE CLIMATE.
THE RAIN IN THE SOUTHWEST HAS BEEN REDUCED TO A DRIBBLE.
CLIMATE DENIERS KNICKS OUR LEGISLATION.
WE'RE SUFFERING MORE THAN JUST MIAMI HEAT.
AND IT'S NOT JUST THE JAZZ THAT IS HOT.
TRAVEL HAS INCREASED EMISSIONS ONCE MORE.
THE GROSS DOMESTIC PRODUCT WILL SOON BE NOTHING BUT NET.
PLEASE DONATE TO THE COALITION BECAUSE THE CLIMATE CLOCK IS WINDING DOWN.
\$18 _____ \$25 _____ \$50 _____ OTHER _____
LOOK, I'VE WARNED YOU BEFORE ABOUT YOUR PUNS.
HERE'S \$100 TO STOP. AND IF YOU DO, I'LL SIMPLY SAY
DUNK-ERSHANE.

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

Name: _____

Address: _____

Phone: _____ I want to volunteer