

DOUGLAS COUNTY

GLOBAL WARMING COALITION

SPRING 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.

A BETTER FIND THAN DINOSAURS

We can do this. We can afford this. But now it's time to roll up our sleeves and get it done.

Christopher Greig, Senior Scientist at Princeton University's Andlinger Center for Energy and the Environment

Here I am on an archeological dig and what do I find? Fossils? No such luck. Instead, a document on fossil fuels. It's dated circa 2030 — approximately two hundred years ago. It's titled: "Global Warming. Our Prescription for Saving the Planet. How we did it." Instead of finding a T-Rex, I'm looking at something to stop a planet wrecks. Not what I had in mind.

Several chapters jump out at me:

- 🦋 Stopping ocean acidification — avoiding a Dead Sea stroll.
- 🦋 Good things come in trees.
- 🦋 Hurricanes — Taking the wind out of their sails.

So what's this all about? Wait. It's part of two studies generated in 2021. They call them "A Guide For Future Generations." One is by the National Academy of Sciences. The other by Princeton University. They forward recommendations for the next ten years on how to fight climate change. It's barely readable. Let's see what I can make out:

By 2030

- 🌱 75% of electricity is generated by clean renewables.
- 🌱 Zero emission vehicles account for 50% of all sales.
- 🌱 Electric heat pumps replace 25% of all fossil fuel furnaces.
- 🌱 Reduce energy in new buildings — 50%, existing buildings — 30%.

CALENDAR

HONORING THE EARTH IN THE YEAR OF THE PANDEMIC

Submission of Personal Stories
Due by April 22nd
Information: 541-672-9819

VIRTUAL FORUM: EXECUTIVE ORDER ON CLIMATE CHANGE

Where do we go from here? Summer, 2021
Date and Time TBA
Information: 541-672-9819

UMPQUA WATERSHEDS PRESENTS: THE ECO-INNOVATION CHALLENGE

Selection of Winners — April 25th, 2 PM
Information: ryan@umpquawatersheds.org

OREGON CLIMATE ACTION PLAN

Virtual Meetings for Public Input
Ongoing, Covering:
Emission Reductions, Energy Efficiency,
Transportation and Electricity
Information/Participation: 541-672-9819

VIRTUAL GREEN AND SOLAR TOUR

Fall, 2021 — Date and Time TBA
Information: 541-672-9819

UMPQUA WATERSHEDS RIVER CLEAN UP DAY

Saturday, April 24th
Information: 541-672-7065

This is all so obvious. Not much of a find. What else do they say?

- 🦋 Increase transmission capacity 60% to accommodate wind and solar.
 - 🦋 Triple investment in clean energy research.
 - 🦋 Shut down coal burning plants.
 - 🦋 Energy companies to double their annual wind and solar development from 42 to 84 gigawatts.
- I'm beginning to see the logic of this.
- 🦋 Setting an official emissions budget.
 - 🦋 A new Green Bank with 30 billion dollars.
 - 🦋 A New National Transition Task Force to support communities affected by the energy

Cont'd on Page 2 ▶

PROMOTE GLOBAL COOLING

transition.

I looked around at the wondrous landscape around me. And thought of the biological diversity I take for granted, a world free of climate change induced disasters. Worries that never burden my children.

I cradled this hidden document in my hands, fearful that even the gentlest touch might mean this document would be lost forever. I walked home, grateful for wisdom of those before me and with a whispered pledge to pass this gift to future generations.

JUST WHAT HAVE YOU BEEN UP TO?

Promoting Electric Vehicles Locally — We Did More Than Just Sit And Steer: The Coalition held a virtual steering committee meeting of key stakeholders on ways to promote electric vehicles in our County.

We Continued To Be Radio-Active: The Coalition ran 30 second spots on KQUA 99.7 FM with the latest information on global warming and what can be done.

We Paid Attention To Marshall McLuhan: The Coalition gave the media the messages: An interview on climate change broadcast on KQUA and a guest column in The News-Review on the health impacts of climate change in Southern Oregon as outlined in a report by the Oregon Health Authority.

On The Governor's Executive Order: The Coalition Demonstrates Emissionary Zeal: As State agencies develop plans to implement the Governor's Executive Order on Climate Change, the Coalition worked with our allies to monitor and provide input so the emission targets will be met. (see article inside)

Feedback To OSHA — Oh, Sure: The Coalition signed up to give feedback to the Oregon Occupational Safety and Health Administration (OSHA) study on the impact of heat and wildfires on the health of frontline workers.

HONORING THE EARTH WITH 2020 HINDSIGHT

The Coalition invites you to celebrate Earth Day in these challenging times with our event 'Honoring The Earth In The Year Of the Pandemic.' Share your story on how you personally honored the Earth this past year. We will put them on our Facebook to inspire each other.

Share your story directly on our Facebook or email it to:

dcglobalwarmingcoalition@gmail.com

We all need to look back with pride and forward with hopeful anticipation.

JUST WHAT WILL YOU BE UP TO?

On Climate: Better Legislate than Never: The Coalition will be contacting our state legislators on key bills committed to clean energy. (See article inside).

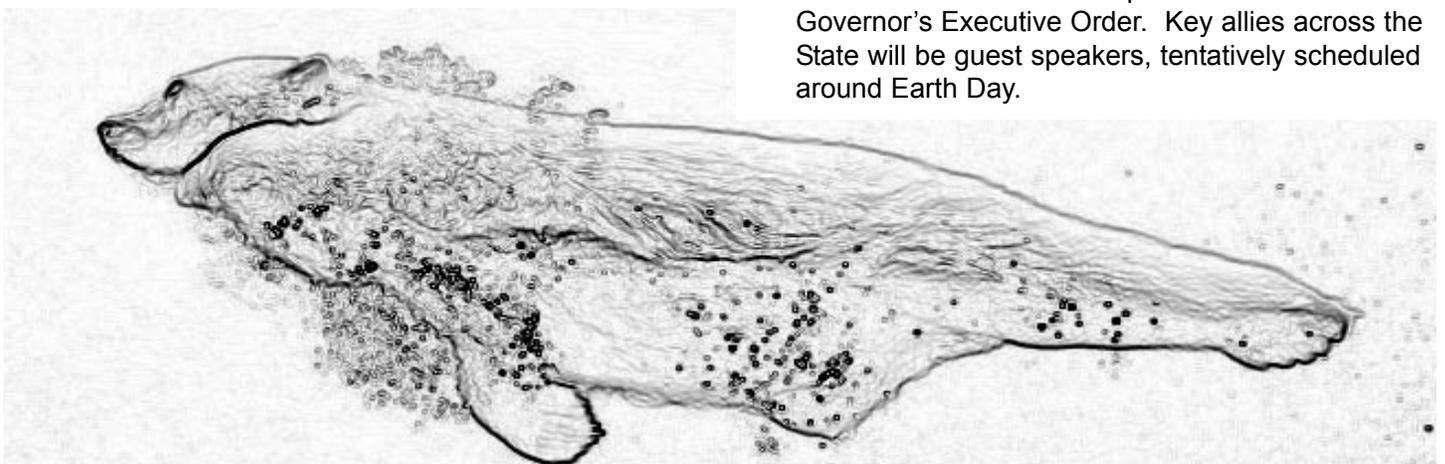
Electrifying Transportation — EV Does It!: We will be following up on stakeholder ideas on how best to increase electric vehicle usage in Douglas County. (See article inside)

A Planet Is Not Without Honor — Particularly In One's County: The Coalition will be commemorating Earth Day by inviting our members to share their thoughts on Facebook with the theme "Honoring The Earth In The Year Of The Pandemic" (See article inside)

Keeping The Fight On Climate Order-ly: The Governor's Executive Order On Climate Change is not enough unless we make sure the State agencies follow through. With our State allies we will continue to do so, emphasizing emissions reductions, transportation, agriculture and health.

Son Of A Gun, We'll Have Big Fun With The Bio (Char): The Coalition will start a project offering to purchase biochar for local school gardens. It is a proven way of sequestering carbon.

A Presentation On The Executive Order Is Virtual-ly Certain: The Coalition will hold a virtual presentation on the status of the implementation of the Governor's Executive Order. Key allies across the State will be guest speakers, tentatively scheduled around Earth Day.



THE GOVERNOR'S EXECUTIVE ORDER ON CLIMATE CHANGE ONE YEAR LATER

The date was March 10th, 2020. The Republicans in the legislature had stymied our three year effort to pass a comprehensive climate bill. In this pre-pandemic moment, we stood with 100 climate activists, packed in a room at the Capitol building. We eagerly awaited the Governor's arrival. Joyous cheers erupted when she came in and made the announcement. She had just issued an Executive Order directing State Agencies to reduce emissions 45% by 2035 and 80% by 2050 — a victory years in the making. Now, one year later, we know the devil is in the details.

Let's look at where we are now as we ask ourselves: This time next year, will we miss the targets or gather in celebration?

THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)

(FOXES IN THE CHICKEN COOP)

What has gone well:

- ☺ Three emission reduction scenarios. Two meet the 2035 benchmarks and one actually exceeds the Governor's targets.

What has not gone well:

- ☹ Does not cover the electricity sector, essential to meeting the targets.
- ☹ Insufficient phasing out of natural gas.
- ☹ Excessive number of "offsets" allowed in lieu of actual emission reductions.
- ☹ Rulemaking Committee overrepresentation by polluters including sectors engaged in a lawsuit to stop the Executive Order.

OREGON HEALTH AUTHORITY (OHA)

(OUTSIDE TEMPERATURES WILL IMPACT OUR TEMPERATURE)

What's gone well:

- ☺ A comprehensive report on the health impacts of climate change, noting the particular vulnerability of rural communities.
- ☺ Distribution of the report to all agencies to incorporate in their deliberations.
- ☺ Oregon Occupational Safety and Health Administration (OSHA) begins rulemaking to protect front-line workers from heat and wildfires.

What's not gone well:

- ☹ OSHA rulemaking committee heavily tilted toward industry.

OREGON DEPARTMENT OF TRANSPORTATION (ODOT)

(WILL THEY TAKE A HIKE OR STILL RUN ON AUTO-MATIC?)

What's gone well:

- ☺ Substantial increase in non-highway funding for biking and walking.
- ☺ Open and creative committee determining the need for a transportation electrification infrastructure.

- ☺ Moving forward on rule making for electric medium and heavy duty trucks.

What's not gone well:

- ☹ In spite of the increase, non-highway funding is still inadequate.

PUBLIC UTILITY COMMISSION (PUC)

(SLOW AND STEADY DOES NOT WIN THE RACE)

What's gone well:

- ☺ Working to determine the social cost of carbon.
- ☺ Wildfire rulemaking launch.
- ☺ Work plan on transportation electrification.
- ☺ Providing a social equity framework.
- ☺ First community solar project.

What's not gone well:

- ☹ Struggling to ensure low income participation in community solar.
- ☹ Moving too slow to meet emission reduction targets.

OREGON DEPARTMENT OF ENERGY (ODOE)

(ENERGY RULES: ARE THEY BEING EFFICIENT?)

What's going well:

- ☺ Aiming for 60% reduction in energy usage in buildings by 2030.
- ☺ Updating building codes to match Western States.

What's not going well:

- ☹ Elimination of requirement of EV readiness for new construction.
- ☹ Resistance of Homebuilders and Northwest Natural Gas to electrification of buildings.

OREGON DEPARTMENT OF FORESTRY

(ARE THEY RE-TREE-TING FROM THE TARGETS?)

What's going well:

- ☺ Developing a carbon and climate change plan which includes wildfire mitigation.

What's not going well:

- ☹ No plans for carbon sequestration.
- ☹ Forest management techniques mirror those preferred by industry.

OREGON DEPARTMENT OF AGRICULTURE

(PLANTING SEEDS OR PLANTING WEEDS?)

What's going well:

- ☺ Climate change report acknowledging the need to take action and sequester carbon.
- ☺ Recognition of the impact of climate change on the agency's ability to meet its responsibilities.

What's not going well:

- ☹ The report focused on existing programs rather than establishing new programs to address climate change.

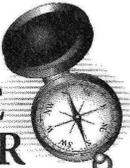
- ⊗ Proposed actions did not address the urgency of climate change.
- ⊗ No clear plan for stakeholder and underserved community engagement.

The Governor's Executive Order on Climate Change is a bold and visionary step forward on addressing global warming. In this first year, progress has been made. However, it is clear that much remains to be done to turn this vision into reality. For in the fight on climate change, time is not our friend. But we are confident that the Coalition, with the help of our allies and most importantly, our supporters, will continue to rise to the challenge and remain pledged to be in this fight for the duration.



EXECUTIVE ORDER IN THE COURT

A Marion County judge threw out a lawsuit trying to stop the Governor's Executive Order on Climate Change. Who was responsible for this climate denying lawsuit? "Louie, round up the usual suspects." They were, in part: Oregon Business and Industry, The Oregon Farm Bureau Federation and the Oregon Trucking Association.



**STEVE
TUCHSCHERER**
Certified Public Accountant

<p>Steve Tuchscherer, CPA President P 541-677-8100 F 541-464-8560</p>	<p>171 NE Exchange Ave. Roseburg OR 97470 www.oregoncpas.com steve@oregoncpas.com</p>
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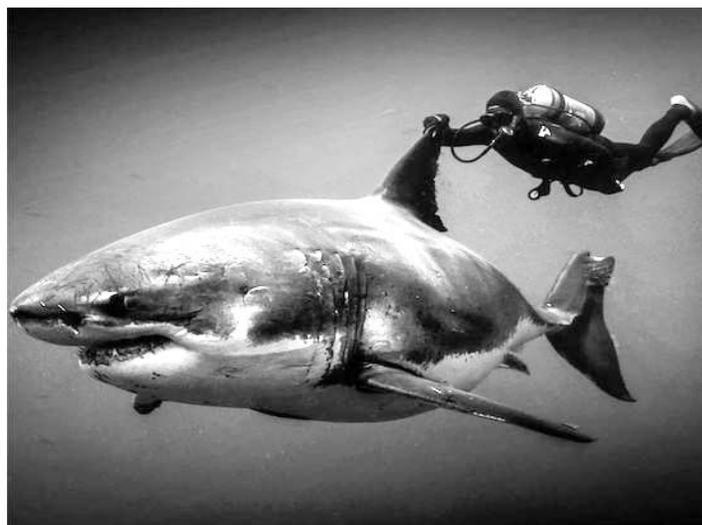
MENTION OUR NAME IN SHEBOYGAN
And also the Coalition when you patronize any of our generous sponsors.

DO YOU THINK YOU CAN KEEP UP WITH THE COALITION?
Here's one way: Check out our website:
douglascountyglobalwarmingcoalition.com

MESSAGE TO OUR REPRESENTATIVES: THIS TOO SHALL PASS

With the State Legislature in session, we are tracking several important climate related bills. Since the status of these bills is an ever moving target, we will do our best to let our supporters know when action is needed. These bills include the following:

- ⊕ **HB 2021:** A clean energy bill which will require all electricity in Oregon to come from clean, renewable sources by 2040.
 - ⊕ **HB 2488:** Directs the Land Conservation and Development Commission to address climate and equity in land use planning.
 - ⊕ **HB 2398:** Allows local jurisdictions to exceed the State energy efficiency code by 10%.
 - ⊕ **HB 2165:** Transportation Electrification Bill that extends subsidies for electric vehicles beyond 2022. Increases subsidies for low income households to \$5,000.
 - ⊕ **HB 3141:** Energy Trust of Oregon funds numerous clean energy and efficiency projects. The bill authorizes this important way of reducing emissions to 2035.
 - ⊕ **HB 2479:** Designates black carbon from diesel pollution as a greenhouse gas.
 - ⊕ **SB 395:** Increases the amount of highway trust funding dedicated to biking and walking from 1% to 5%.
- And in Washington, D.C.:
- ⊕ A bill sponsored by Representative Blumenauer to offer 30% tax credits for the purchase of electric bikes up to \$1,500.
 - ⊕ The Landowners Fairness Act sponsored by Senator Ron Wyden ending the presumption that gas exports are by definition in the public interest.



EARTHRISE — A POEM BY AMANDA GORMAN

The Coalition is pleased to share excerpts from this poem by Amanda Gorman, the Inaugural Youth Poet Laureate of the United States. Ms. Gorman drew national attention from her recitation of a poem at the Inauguration of Joe Biden.

The entire poem is available on the website of the North American Association for Environmental Education.

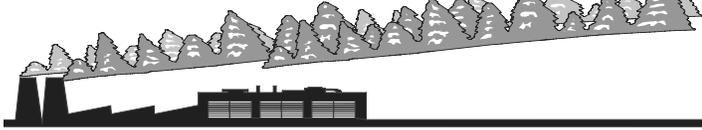
To hear Ms. Gorman recite the entire poem, check it out on YouTube.



*AS WE REALIZE THAT WE HOLD NOTHING DEARER
THAN THIS FLOATING BODY WE CALL HOME
WE'VE KNOWN
THAT WE'RE CAUGHT IN THE THROES
OF CLIMACTIC CHANGES SOME SAY
WILL JUST GO AWAY,
TO SURVIVE ANOTHER DAY;
FOR IT IS THE OBSCURE, THE OPPRESSED, THE POOR,
WHO WHEN THE DISASTER IS DECLARED DONE,
STILL SUFFER MORE THAN ANYONE.
CLIMATE CHANGE IS THE SINGLE GREATEST CHALLENGE OF OUR TIME,
SO I TELL YOU THIS NOT TO SCARE YOU,
BUT TO PREPARE YOU, TO DARE YOU
TO DREAM A DIFFERENT REALITY,
WHERE DESPITE DISPARITIES
WE ALL CARE TO PROTECT THIS WORLD,
THIS RIDDLED BLUE MARBLE, THIS LITTLE TRUE MARVEL
TO MUSTER THE NERVE AND THE VERVE
TO SEE HOW WE CAN SERVE
OUR PLANET. YOU DON'T NEED TO BE A POLITICIAN
TO MAKE IT YOUR MISSION TO CONSERVE, TO PROTECT
TO PRESERVE THAT ONE AND ONLY HOME
THAT IS OURS,

WE WITNESS ITS ROUND GREEN AND BRILLIANT BLUE,
WHICH INSPIRES US TO ASK DEEPLY, WHOLLY;
WHAT CAN WE DO?
OPEN YOUR EYES.
KNOW THE FUTURE OF
THIS WISE PLANET
LIES RIGHT IN SIGHT.
RIGHT IN ALL OF US. TRUST
THIS EARTH UPRISING.
ALL OF US BRING LIGHT TO EXCITING SOLUTIONS NEVER TRIED BEFORE
TO KEEP RISING UP FOR AN EARTH MORE THAN WORTH FIGHTING FOR.*

FIGHTING CLIMATE CHANGE IS A TALL ORDER



And that's a phrase that fits President Biden's Executive Order on Climate Change. Here's a partial summary of things to come:

- ✍️ Direct Federal Agencies to procure clean, carbon pollution free electricity and zero emission vehicles.
- ✍️ Review and undo all anti-climate regulations put in by Trump. These include:
 - Methane emissions.
 - Vehicle Fuel Standards reductions.
 - Lowering of energy efficiency standards.
- ✍️ Propose new methane emissions release standards for the oil and gas industries.
- ✍️ Stop anti-climate lawsuits supported by Trump.
- ✍️ Review and potentially reverse the reduction of National Monuments ordered by Trump to foster oil and gas drilling.
- ✍️ Temporary moratorium on Arctic Refuge oil and gas drilling as well as total withdrawal of leasing from some offshore areas.
- ✍️ Prohibit new oil and gas leases on public lands and offshore waters.
- ✍️ Ensure every Federal infrastructure investment reduces climate pollution.
- ✍️ Establish a working group to determine the social cost of greenhouse gas emissions.
- ✍️ And finally, revoke the permit for the Keystone XL Pipeline.

And if you want to know Donald Trump's reaction to the undoing of his anti-climate legacy, simply check his Twitter account and...um — oh — never mind.



The Coalition and our state allies have been strong advocates to ensure that the Governor's Executive Order is carried out by the designated State agencies. Delivering our messages in a timely manner is critical to making this happen. Jennifer Levecque has been our conduit to these agencies. Often the time to respond is quite narrow. But Jennifer has been there to ensure that we are heard. When it comes to being our conduit, she can do it!

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

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



Dear Dr. Cool

I'm worried. This move toward electric vehicles means we'll need 25% more electricity. Then it will be lights out. I can hear the words of an old Navy buddy of mine; "Captain, we've got no power!"

Di-Lithium Crystals are one thing — But Lithium batteries are not something to Di For. My doctor — L. McCoy is in full agreement "There's no bones about it — let's just Chekov that fossil fuel box when it comes to transportation."

I think he's Spock On! Don't you?

Signed,

M. Scott

The Great Loch Ness
Inverness, Scotland

Dear Scotty,

This is not a time to Klingon to old ways of thinking. It's not a choice of Trek or Treat. We can be Enterprising about this. Southern California Edison is offering lower rates to EV drivers if they charge up during the day when solar power is abundant. And in some programs, the utilities tie into home chargers and generate electricity when its cheapest and most plentiful. As for costs, it will be more than offset by fuel savings. Relying on fossil fuels means nothing but Tribble. Because if we don't switch to EV's, our planet will soon be hotter than Vulcan.

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SO WHAT ELSE IS NEWS?

AROUND THE NATION

AND DON'T FORGET TO CLOSE

THE COAL PLANT ON YOUR WAY OUT

On the day Joe Biden was inaugurated, a Federal Court of Appeals struck down a Trump rule relaxing greenhouse gas emissions from power plants. This cleared the way for new and stronger regulations by the incoming administration.

THE ANSWER MY FRIEND,

IS THEY BLOW WITH THE WIND

Remember when Donald Trump was set to block California from setting its own strict mileage standards? Toyota, Fiat Chrysler and GM jumped on board with him. Now that Biden is President, they have changed their minds and will not try to stop California from doing so. Will they change their minds again? Ask me in four years.

DEALING WITH EMISSIONS

CAN GIVE ONE RETROFITS

That's what New York City has decided. The program 'Retrofit NY' has invested \$30 million to retrofit existing buildings to lower emissions and save energy. These buildings account for 70% of the City's emissions and 90% will still be standing thirty years from now.

The goal is to make sure we're still standing as well.

LIKE TO BIKE? THEN I'VE GOT

A BRIDGE TO SELL YOU

In this case, it is indeed the Brooklyn Bridge. New York City announced plans to close a lane on the bridge and reserve it for bicyclists. A similar plan was announced for the Queensboro Bridge. Since the pandemic, biking has increased in the City 55%.

COLORADO ROCKY MOUNTAIN BIKE

If you would like to get a charge out of biking, Colorado is giving away free electric bikes as part of its plan to fight climate change. Over 100 bikes will be given to households with essential workers.

CALIFORNIA'S PLANS ARE MORE

THAN JUST HOT AIR

The State of California is investing \$230 million on hydrogen fueled vehicles over the next two years. It envisions 50,000 hydrogen powered cars over the next five years and a thousand hydrogen stations by 2030. It is estimated it will generate \$140 billion in revenue and support 70,000 jobs over the next ten years.

FEMA DECIDES TO SEAS THE INITIATIVE

The Federal Emergency Management Agency (FEMA) will set aside \$10 billion for climate disaster prevention measures. This includes money for sea walls and elevating or relocating flood prone homes.

AROUND THE GLOBE

SO NOW THAT THE THREAT

OF THE SPANISH ARMADA IS GONE...

Great Britain is moving forward with offshore wind development. The rights to do so were awarded to British Petroleum and the French company Total. It is expected the electricity generated will be sufficient to light seven million homes. The announcement was made by the Crown Estates who manages these properties on behalf of the Royal Family. So excited were they, the sale could barely keep the Queen Mum.

THE COURT DECLARES:

WE DON'T WANT THE FRENCH FRIED

A French Court ruled that France had caused ecological damage by insufficiently reducing its greenhouse gas emissions. It gave the government two months to take action before issuing any order to reduce emissions and repair the damage.

THE DRILL OF VICTORY, THE AGONY OF

DEFEAT

Norway's Supreme Court rejected a lawsuit that claimed Arctic drilling for oil violated the constitutional right to a clean environment. In a bizarre twist of reasoning, the Court held Norway was not responsible for emissions once the oil was exported.

REDUCING EMISSIONS? EUROPE FOR THIS

The European Union agreed to reduce greenhouse gas emissions 55% by 2030. A record 1.82 trillion Euros were dedicated to this effort with 30% allocated to support the transition from fossil fuels.

READY! AIM! MISFIRE!

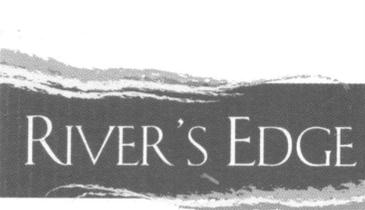
The countries of the world were expected to submit new ambitious targets for emissions reductions by 2030. The result? Half the countries did not submit new targets including China and the United States. Some, like Mexico, actually reduced their targets. Generally, the response will reduce emissions by 1% — well below the 45% needed to get the climate under control.

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

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

W O T S P O T S

- ☀ **At This Rate, We'll All Be In Dutch:** Royal Dutch Shell announced it will be reducing its oil production 1-2% per year. At that rate, we'll be off Shell oil in a century or so. As an exclamation point to their lack of commitment to renewables, their spending on clean energy totals less than 10% of their investments. But that didn't stop them from bragging that oil and gas will ultimately help pay for their future clean energy investments. Indeed, we will all pay. (*N.Y. Times, 2/12/21*)
- ☀ **Double, Double, More Than Trouble, Planet Boils And Seas Will Bubble:** The cost of natural disasters in the U.S. doubled in 2020 and was the third highest on record. A record number of hurricanes topped the list at \$43 billion followed by other storms such as tornados and finally wildfires. It's clear that climate change is serving up a witch's brew of disasters. (*N.Y. Times, 1/8/21*)
- ☀ **Gene Kelly Was Wrong! The Battery Is Not Down:** Battery storage provided 476 megawatts, up 240% from the previous quarter. Case in point; Soleil Lofts, a 600 unit apartment complex in Salt Lake City has a solar powered back up battery storage system providing 12.6 megawatts. The 'battery is down' is from the song "New York, New York." in the movie On The Town. I hate to criticize Gene. He was so much the better dancer than Fred. (*N.Y. Times, 3/13/21*)
- ☀ **Roll On Columbia. But Let's Not Go Overboard:** A study by Oregon State University's Oregon Climate Change Research Institute showed there will be a 60% increase in flooding in the Columbia River Basin during this century. The Snake River will see a 40% increase in ten year floods while the Willamette River will see a 50-60% increase in 100 year floods. (*The News-Review, 2/16/21*)
- ☀ **Unfit To Be Tied:** Last year tied 2016 as the hottest on record. This was in spite of a La Niña phenomenon in the second half of the year. The La Niña cooled the planet's surface along the Pacific Ocean. The six hottest years have occurred over the last six years. We are now 1.5 degrees Celsius hotter than the average temperature of the pre-industrial era. (*N.Y. Times, 1/9/21*)
- ☀ **Their Fortune Is Our Misfortune:** Institutional Shareholder Services, which advises investors on corporate matters found that 2/3 of the 500 companies in the S&P 500 stock index set weak or no emission reduction targets. They projected that emissions would be triple what they should be. Transparency on progress made has also been a problem with Walmart fully disclosing their status while Costco has not. (*N.Y. Times, 2/23/21*)
- ☀ **This Reserve Has No Reservations:** The Federal Reserve Board unanimously voted to join the Network of Central Banks and Supervisors for Greening the Financial System. Fed Chair Jerome Powell stated: "The public expects that we do figure out what the implications for climate change are for financial stability and that we do put policies in place." (*N.Y. Times, 12/16/21*)
- ☀ **This Increase In Pollen Is The Bee's Sneeze:** Research from the Proceedings of the National Academy of Sciences has shown that the increase of CO₂ and warmer air has caused the pollen season to start twenty days earlier in North America than it did in 1990. In addition, there is 21% more pollen. An early pollen season correlates with an increase in hospitalizations for asthma. (*N.Y. Times, 2/10/21*)
- ☀ **Cruel, Clear Water:** A melting glacier in the Himalayas of India resulted in a flash flood with dozens of people killed. Scientists said the breaking of a glacier in the middle of winter appeared to be due to climate change. They warn that rising temperatures are melting these glaciers at an alarming pace. (*N.Y. Times, 2/8-2/9/21*)
- ☀ **This Windmill Fantasy Is Found In Nether-Netherland:** More powerful than four engines on a Boeing 747. Taller than any building found in Western Europe. Longer than two football fields. It's GE's test model super windmill. This planned offshore wind turbine is 1/3 more powerful than any existing one. When placed in service, it will generate 13 megawatts of electricity, enough to power 40,000 homes. (*N.Y. Times, 1/2/21*)



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email: wines@riversedgewinery.com

ELECTRIC CARS – THERE'S MORE TO BE EV – LABLE

Now that automobile companies are no longer bound by Trump's rollback of mileage standards, they have elected to be electric. Here is a sample of what's coming:

BUT WILL WINSTON DEVELOP A CHEETAH BRAND?

Jaguar will sell only all-electric vehicles starting in 2025. Its Land Rover will quickly follow in 2030. Perhaps when referring to the end of gas powered cars, they can paraphrase Yogi Berra: "It ain't over till it's Rover."

SO WHAT WOULD YOGI THINK?

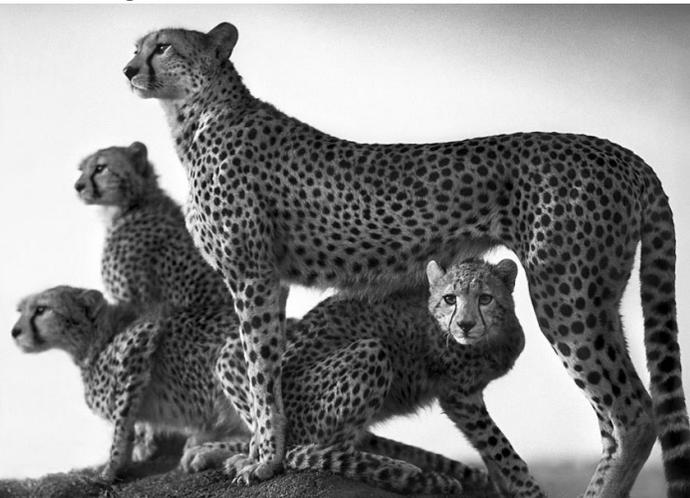
After aligning herself with Donald Trump to lower mileage standards, GM's Chief Executive Officer Mary Barra heard the calling of electric vehicles once Joe Biden was elected President — sort of a Bolt out of the blue. GM is now committing \$27 billion over the next five years to EV's. promising to sell only EV's after 2035. Finally acknowledging the reality of climate change by signing the 'Business Ambition for 1.5 Degrees', her realization reminds us of what her kind-of namesake Yogi Berra once said about the outfield in Yankee Stadium and it surely applies to climate change: "It's getting later a lot earlier now."

PRETTY AS A PICTURE TO WATCH THAT VAN GO

Particularly if it is electric. Companies are lining up to produce electric delivery vans for UPS and Amazon. In fact, UPS has ordered 10,000 electric vans from London based Arrival and 11,000 from the Workhorse Group. So soon you'll be able to see these delivery vans on any Starry Night.

AND RIVIAN WILL BE DELIVERIN'

Rivian is also preparing to develop an electric pickup truck and SUV by the summer with an investment of \$8 billion. R.J. Scaringe, the CEO has a PhD from MIT. Word has it that while at MIT he kept his carbon footprint down by walking, biking and doing his laundry by hand. Imagine that!



FUV'S? ARE YOU SURE

THEY'RE PRONOUNCING IT RIGHT?

The quintessential example of downsizing, these Fun Utility Vehicles are electric three wheelers produced by Arcimoto. Plans are to expand their Eugene plant to eventually manufacture 50,000 per year.

HERE'S A COMMITMENT WE CAN A-FORD

Ford's European division will phase out gas cars and go all electric after 2030. Their commercial vehicles will be electric only after 2026. In the U.S., their Mustang Mach-E will be available at \$33,000 after subsidies kick in.

THERE'S NO PLACE LIKE STOCKHOLM

What's good for GM is better for Volvo, the Swedish car manufacturer. Partly in response to pressure from Europe, Volvo will sell only all-electric cars by 2030. Now that's a Stockholm syndrome we can live with.

THIS ISLAND'S A SHORE THING

Particularly when the shore is in Portland. Portland General Electric and Daimler Trucks are constructing the first "Electric Island" — a large public charging site to serve medium and heavy duty electric commercial vehicles. The island will offer nine charging stations at a level of more than one megawatt.

FOR EV'S – YOU CAN'T TELL THE PLAYERS

WITHOUT A SCORECARD

So the American Council for an Energy Efficient Economy ranks each State's EV policy. How are we doing? Oregon ranked sixth with 32,000 electric vehicles on the road, with California and New York one and two respectively. And now that we know all the choices out there, we have no excuse not to move up in the rankings.

NOT JUST CLEAN BUT CLEAN AND JUST

That is the commitment the Coalition has made — to bring electric vehicle use to all income levels of Douglas County. To this end, we are meeting with key stakeholders including non-profits, businesses and utilities to make this happen. Potential ideas for exploration are:

- ⚡ Electric vehicle fleets for non-profits serving low income households.
- ⚡ Incentives and accommodations offered by businesses to employees.
- ⚡ Electric vehicle use in government fleets.

Electric vehicles are coming and we need to be Ever Ready.

BIOCHAR FOR SCHOOL GARDENS

The Douglas County Global Warming Coalition and the Umpqua Biochar Education Team are working on providing biochar soil amendment to the school gardens in our region. The goal of the program is to demonstrate the value of biochar in agriculture as well as carbon sequestration in the soil.



The effort is being coordinated by Erin Maidlow, Nutrition Educator at Oregon State University Extension and Scott McKain, Master Gardener, biochar researcher and practitioner.

Erin will be having a Zoom meeting with garden managers that will include a biochar training and discussion from Scott. Logistics of biochar delivery will be discussed at that time. Participation in the program is voluntary.

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: Texas Governor Greg Abbott initially blamed the Great Texas Freeze that cut electricity to four million homes on the failure of wind power.

Fact: Let's join Governor Abbott at his press conference where he eloquently defends his position.

Press. You blame wind power for the electrical outage. But it's a distant third in generation in our State to gas and coal. After all, it was frozen pipes that prevented gas from reaching those plants.

Abbott: Are you saying because of the frigid temperatures we reached the Pipes' Peak? I believe you're thinking of another State.

Press: But Governor, you must have heard climate scientists suspect global warming is weakening the jet stream that holds back the frigid polar vortex.

Abbott: Vortex? Of course. I'm for Texas. Look, let me explain through a baseball analogy since Texas is a big baseball State. My good friend Senator Ted and I have a routine called Abbott and Cruztello. But since Ted

is away in the Mexican League, this will be a solo act. Let's see: Who? Fossil fuels come first. Watts come second? I don't know — the third baseload — wind power — We don't care about that.

Press: You mean Watts come first.

Abbott: No, Watts come second.

Press: Who comes second?

Abbott: No, who — fossil fuels come first.

Press: I don't know.

Abbott: That's the third baseload — wind power — We don't care about that.

Press: You have a pitcher?

Abbott: The Day After Tomorrow.

Press: No, that's the name of a movie about global warming causing a big freeze. Now, what's the pitcher's name?

Abbott: No, Watt's come second.

Press: Who's on second?

Abbott: Who? Fossil fuels come first.

Press: I don't know.

Abbott and Press: Third baseload!

Abbott: Listen. I've got an important meeting with my gas pals. And I don't want to hear any more criticism. it's just a short stop and I don't give a darn!

Press: That figures. Enjoy your shortstop.

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

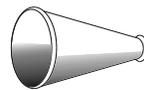
How far back can you remember? The primal scream? The sound you made watching a climate denier on television? Perhaps your first memory is when you started to walk. And when you did, I doubt if your parents said: "Our child can walk! Here are the car keys. Go walk to the car." No, we need to walk much farther than that. What is to be gained by doing so? To quote the Great Detective Sherlock Holmes; "The gain is afoot."

If just 5% of car trips were instead done by foot, we would avoid 2.9 gigatons of carbon dioxide emissions by 2050. And save 3.3 trillion dollars in car costs.

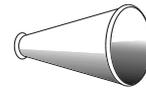
Do you need a song to hum while you are walking? To the tune of 'Walk Like A Man,' I offer:

*Walk through the land
Now that you stand
Your parents command
By gum!
Help save the world
Climate flag unfurled
So walk through the land
It's fun!*

I know it isn't my best song but it could have been worse. For a walking song, I could have done 'Heart and SOLE'. Besides, the song was by the group the Four Seasons — which is when we all should walk.



L N G UPDATE



PEMBINA TRIES TO MUDDY THE WATERS

When Oregon's Department of Land Conservation and Development denied them a permit based on the Coastal Zone Management Act, they asked the Federal Energy Regulatory Commission (FERC) to overturn the decision.

After all, FERC's record of approving pipelines was nearly spotless. But when put on the spot, FERC turned them down. This followed FERC's earlier decision to uphold Oregon's DEQ denial based on the Clean Water Act. And just when they thought it was safe to go back in the water.

THEY ARE IN FOR A REAL GLICKING

That's because President Biden has appointed FERC Commissioner Richard Glick as the next Chair.

A frequent dissenter on fossil fuel cases, he has stated that FERC must be an agency that allows renewable energy and battery storage. This raises the question:

WILL FERC BECOME FRECLESS?

If several Senators have their way, FERC will become FREC, the Federal Renewable Energy Commission. We'll see..

But until then, across the border:

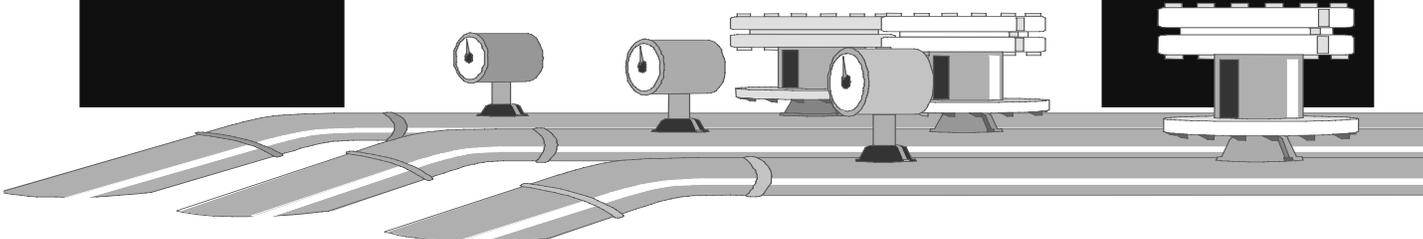
NOTHING TO REFINER THAN DENYING THE DENIER

Washington's Department of Ecology denied a permit to build the world's largest fracked gas-to-methanol refinery along the Columbia River.

HOW YOU SAY IT MAY GIVE YOU GAS

So concluded Anthony Leiserowitz of the Yale Program on Climate Change Communication. If you are a Democrat, the terms 'fracked gas' and 'fossil gas' will persuade you to turn off the gas. But while these words won't keep them gassing, they will to a Republican.

So what term leaves both of them a-gassed? It is 'Methane gas'. It's a simple term that lets everyone know that this gas is anything but natural.



DOUGLAS COUNTY GLOBAL WARMING COALITION
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RETURN SERVICE REQUESTED



REMEMBER WHEN SEVERAL MONTHS BACK THE ICE OF TEXAS WAS UPON YOU?
AND SENATOR TED TOOK A CRUZ TO MEXICO TO ESCAPE? WELL, THE COALITION FELT SORRY
FOR THE CLIMATE DENIER AND PAID HIS FARE BACK. AND HOW DID WE PERSUADE HIM TO RETURN?
WE PLAYED A SONG TO THE TUNE OF THE EVERLY BROTHERS 'WAKE UP LITTLE SUZIE.'

AND HERE IT IS:

WAKE UP, LITTLE CRUZIE, WAKE UP
THE WORLD IS GETTING TOO HOT
A WINDMILL CAUSE — IT IS NOT
THE TEXAS FREEZE — POOR JET STREAM, PLEASE
GAS PIPELINES THEY ARE SHOT

WAKE UP — A — LITTLE CRUZIE — IT'S TIME TO GO HOME

YES, I'M DEEPLY MOVED BY YOUR COMPASSION FOR A CLIMATE DENIER.

HERE IS MY CONTRIBUTION TO OFFSET YOUR COSTS

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

WHAT? YOU BROUGHT BACK A CLIMATE DENIER? ARE YOU KIDDING?

HERE'S \$100 TO RETURN HIM TO MEXICO. AND DON'T LET IT HAPPEN AGAIN.

Make your check payable to:

OEC., 143 SE Lane Avenue, Roseburg, OR 97470. Thank you.

Name: _____

Address: _____

Phone: _____

_____ I want to volunteer