

I have win-win solutions for both parties, urban and rural, forest jobs and clean energy, rural economic justice and statewide housing/energy justice, greenhouse gas reduction and sequestration adaptation as forests and current species lose their ability to photosynthesize and sequester each year of climate chaos so we need ever more regenerative natural acres with different biodiversity mixes, protection from frivolous law suits and reduction of threats/risks to legislators, meaningful oversight/transparency and enforcement and taxation, etc.

Please use these ways to honestly and respectfully assure rural Oregonians identifying with timber unity, trucking, mining, extractive ag, etc. with ways HB 4167 could fairly and quickly meet our human needs, and disabuse them of scary lies that scapegoat without solving their pressing problems, while getting urbanites and Dems a way to be more respectful, kind, helpful, and fair for a united Oregon that serves all of us and our world for generations. Please address the concerns of environmentalists who fear trading carbon credits.

This is a climate emergency requiring emergency legislation with immediate enactment and enforcement and funding, and HB 4167 needs to be supplemented with other bills soon to address the broader systemic problems and to make it more effective and beneficial. It is too little too late, but better than nothing and if possible, include the following solutions in it or its administration and enforcement and additional legislation.

1. Keep in HB 4167 that we are in a climate emergency requiring immediate enactment and profound broad, deep, systemic integrated solutions for reducing greenhouse emissions faster and greater and more securely than ever while also more effectively drawing down and sequestering greenhouse gases when the same tree and same land or body of water each year is able to do that less and less due to climate stresses, and so we need more and better regenerative practices of mutual reciprocity with the land and all living beings and eco relationships to heal ecosystems, climate, economy, individual people, and human communities.

2. We will need more and larger trees and more biodiversity of forests, grasslands, wetlands, shores/marine ecosystems, drought-ready organic crops and deep rooted perennial grains to offset the same amount of carbon each year, and more skilled workers outdoors learning and applying the new science along indigenous reciprocity with living lands. Existing forestry and agriculture and energy and transportation practices alone or the baby steps in HB 4167 cannot meet the worsening need. Since the fossil fuel industry and meat/dairy industry have suppressed and lied about their harm to climate and public health/safety and we learn that the greenhouse gases exponentially increase in quantity and harmful effect on their own and this is amplified with positive feedback loops, the same pound of carbon will need ever stronger balance and mitigation at the same time existing methods for drawing down and sequestering carbon are less and less effective. The formula and enforcement for trading carbon credits must be for carbon sequestration in Oregon that is science-based and so changes each season and year requiring more natural regenerative acreage for the same pound of carbon each year.

We will need more natural regenerative lands at work with ecosystems services each year (cleaning air, producing food, inviting and equalizing rainfall, stabilizing and feeding soil, purifying water, increasing biodiversity, cooling climate, etc.) to compensate for worsening changing stressors on plant stomata, etc. closing to photosynthesis and sequestration to retain water during droughts and temperature extremes or air pollution/smoke, reduced leaf surface area, reduced ground water flow through the plants and reduced absorption from changing water drops, and the slowing of tree and plant growth, weaker and less effective underground fungal networks to inform and nourish trees, the increasingly

stressed trees and plants ever more vulnerable to pests and disease and drought and poison and fire, and the die-off of Douglas-fir, western red cedar, and their entire ecosystems, including less marine nitrogen from fewer salmon (also sicker with more ocean pollution poisoning upstream forests) spread through scat necessary for tree growth as the necessary reciprocity with other living beings will be out of sync with changes in temperature, air and water chemistry, humidity/drought, size and severity of rain drops, increased soot and burnt trees blackening snows for faster melting and harsher floods, more salination and loss of soil fertility and resilience, etc.

3. The timber industry over the last decades has been logging more and more while providing fewer and fewer jobs, and the remaining trees provide less quantity and quality of lumber at the same time fewer can afford to build/buy houses, and jobs in timber and construction will continue to plummet, pay less, have fewer and worse benefits and security, be more disruptive to families and communities, be more stressful and unhealthy to workers, less and less meet the needs and training and aptitudes of most former timber workers, and attack the soul of nature lovers as the timber industry relies more on mechanization, automation, digital processes, lasers, robot harvesters/feller bunchers and stackers, fewer mills, jobs shipped overseas or given to terrified and exploitable immigrants denied rights and voice after their lives depend on them leaving the same processes in their home countries attacking their safety/health, jobs and economy, environment, civil and democratic government and self-rule, culture. We will never get back the old jobs we had in the forests, trucking, mining, ranching, etc. even if we totally gut our environment and allow industry to get everything it wants. The old growth is too decimated, the soil and ecosystems trees need to survive and thrive are failing, corporations have too much cruel contempt for workers replaced by machines and voters suppressed and not counted while public agencies and servants are attacked and less able to protect workers and the public and public lands and less willing/able to hold corporations accountable.

4. The rest of the USA, Canada, Mexico, Russia, Brazil, India, China, Indonesia, etc. are losing their forests and their lands are less able to sequester or offset carbon and they are developing other technologies and legislation that means Oregonians will have to be more self-reliant, less dependent on world trade and carbon trading, and more productive of services needed in Oregon.

5. HB 4167 does not reduce jobs driving-- the existing capitalism and attacks on our environment and democracy/social justice does. Most men in America have jobs related to driving at the same time more corporations are banking on attacking unions and taking away their jobs to use autonomous vehicles and drones while more Americans are poorer and less able to buy stuff reducing the demand on drivers, and there is less fossil fuel available for the public and more controlled by military and those opposing workers. Less stuff is being made in America, costing more to transport it, as America makes more enemies around the world so folk in other countries are less willing and able to work for less under worse conditions and less rights to distract Americans from local problems, and Walmart and Amazon, etc. are destroying local small businesses and means for delivering goods, and less fossil fuels are available so will be more costly so road maintenance will be less affordable for drivers to use.

6. Climate chaos and inaction is more harmful to Oregonians than this bill; climate action is not the enemy of rural Oregonians, but could be the source of safe, healthy, sustainable and regenerative jobs that regenerate and heal our lands and workers and communities and economy.

7. We don't need jobs, as much as we need economic security with dignity through improved net gain while doing meaningful and rewarding work with lower costs of housing, healthcare, food, water, energy, transportation, education, etc. and so we must have climate-caring ways to do that which are

more under the local control of local people adapting better to their ecosystems and cultures under state-wide economic protections.

HB4167 can provide reduction on energy bills for all Oregonians, especially those in most need.

We need better affordable utilities and public small electric utilities with locally-generated decentralized, democratized, diversified source and diversified methods, regenerative green energy under local control to avoid the increased methane from dams structures and back waters and nearby killing/decaying of plants and the loss of migratory fish offsetting carbon and fertilizing trees/plants to better sequester carbon.

We need housing rights protections and fair affordable housing that are carbon-reducing and carbon sequestering while also generating local energy and water collection/purification and organic food. Rent caps and safe fair affordable housing as a necessity and human right not commodity, and housing that uses and emits less carbon while being better insulated and sun-lit. State support for cob and earth homes, strawbales, bamboo, hemp, hemp concrete, etc. structures and affordable permits and support. Local geothermal, passive and active small solar, local small wind, local small hydro in sewer systems etc., glass technology for photovoltaic and vibration from wind and rain and transportation generating electricity, composting toilets and separation of urine and feces, graywater and purple water uses, green roofs and green living walls and green eaves, separation of water purity/safety requirements for different uses, protection of groundwater and septic systems and sewer/water treatment systems, less chemicals in drinking water, less reliance on distant transport, stopping hookups of methane and more protection against explosions/fires and incentives to change gas to efficient electricity. Locally-green-generated electric charging for vehicles available across all economic sectors. Shared housing, dorm housing, teeny houses, indigenous style housing suiting the local ecosystems, multiple use housing/business/plants and water production located near services and public transport and bike/pedestrian use to reduce transportation and plantings corridors by roads/rails. Electrifying rail solar corridors with regenerative plantings in solutionary rail. Reducing renters/home owners insurance through better climate mitigation.

We need regenerative food culture and organic agriculture matching our ecosystems and changing climate and economy, with locally grown people-controlled organic food with food security for all. We need to end monocrops, petroleum-dependent growing, and chemicals, to be replaced with biointensive multiple-cropped multiple height plant growing spaces that use less water and sequester more carbon. We need permaculture food forests accessible to all and ready for disaster preparedness and resiliency. And freedom for plastics, replacing plastics with containers of clay/pottery, organic locally grown hemp, bamboo, cedar or sage, grasses/reeds, etc.

We need a public state bank to invest in Oregon with money from the risk bonds and deposits for oil bomb trains, coal trains, methane, dams, etc. that cost us more than the entire Oregon economy has to pay for their fires, explosions, spills, poisonous air, disabling and killing Oregonians, lost jobs and lost businesses and resources, etc. At the same time we need to protect Oregonians from predatory loans, banking, credit cards, etc. so they don't mistakenly think they need to settle for bad jobs.

We need to hold drug companies accountable and have single-payer fair and high quality health care for all so Oregonians don't have to work several jobs often dangerous to worker and community and environment.

We need to hold car/truck companies accountable to be safe and car insurance companies accountable to be fair and pay out to their wounded/harmed/killed insurers so Oregonians don't get so fooled to be wage slaves. We need safe accessible green public transport like rural solutionary electric rail.

Immediately enact legislation and administrative rules and funding for ways to make Douglas-fir and western red cedar and other key Oregon species more resilient to the climate chaos, droughts, quickly changing temperatures, harsher/harder rains, faster melting snows, lower aquifers, weaker hydration systems, etc. by increasing jobs restoring and improving habitats, supporting fungi, and gathering info for solutions, as well as implementing indigenous science/technology and reciprocal relationships that worked well for time immemorial. Have local seed-collecting and local seed/start nurturing for local microclimates and microecosystems resilience and study /live time communicate data with caring human interactions. Find solutions to lost forest resilience from lost salmon nitrogen and ocean nutrients.

Develop online info sharing for all Oregonians in common lay language in different languages for shared solutions and informed decisions and improved legislation and citizen science.

I've invested over half a century in Oregon as a climate activist advocating for rural Oregonians, and want you to salvage what you can from HB 4167 for immediate solutions while you work towards filling in the gaps with other legislation and public education.

Thank you for your time and care.