

Climate Change FACTS:

- Of climate scientists worldwide, 97% believe climate change to be "virtually certain" and due to human activity since the 18th century.
- Our military leaders have been warning us for some time that the climate crisis represents a serious threat to our national security.
- Climate scientists' predictions keep coming true, and people are already dying because the world hasn't been taking the warnings seriously.
- "[Atmospheric] Concentrations of CO₂ [*carbon dioxide*], CH₄ [*methane*], and N₂O [*nitrous oxide - all climate active gases*] now substantially exceed the highest concentrations recorded in ice cores during the past 800,000 years." (*Intergovernmental Panel on Climate Change, Summary for Policymakers, page 11**)
- "**Most aspects of climate change will persist for many centuries even if all human emissions of CO₂ are stopped.**" (*IPCC, Summary for Policymakers, page 27*, emphasis added*)
- Natural processes for removing the climate-active gases are far slower than even current rates of heating adds to them. How will the future be for today's children?
- **Because of feedback loops in the climate system, the rate of climate change is accelerating, especially due to the release of methane from Arctic permafrost and sea floor "methane ice," which is exceedingly climate-active.**

HB 3470 gives Oregon a critical opportunity to set an example for other states of taking responsible action on this terrible threat, since the federal government appears incapable of responding to reality with wisdom!

* IPCC, 2013: Summary for Policymakers. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.