

Submitter: Pat DeLaquil
On Behalf Of: Gresham
Committee: Senate Committee On Energy and Environment
Measure: SB871

Chair Sollman, Vice-Chair Findley, members of the Committee:

My name is Dr. Pat DeLaquil, and I am an energy system modeler and climate policy expert. I live in Gresham, and organize with the Metro Climate Action Team, which is a community of volunteers working to ensure Oregon is a leader in addressing the climate crisis.

Thank you for the opportunity to testify today in strong support of all four Clean and Resilient Buildings bills (SBs 868, 869, 870, and 871). Since the year 2000, I have been doing deep decarbonization studies in China, the US, Eastern Europe, and over a dozen other countries for organizations including the World Bank, the US government, and the private sector. The results I and the teams I worked with found are consistent with results reported by organizations, such as the Intergovernmental Panel on Climate Change , the International Energy Agency , and the Center for Strategic and International Studies . There have all identified four core strategies:

1. Achieving 100% clean electricity generation
2. Converting our transportation fleets to electric vehicles
3. Converting our buildings and industry (where feasible) to electricity, and
4. Developing carbon-free fuels for long-term storage, reliability and hard to electrify applications.

These four bills will help provide the incentives and programs needed to speed up the buildings component of the decarbonization transition by:

- Supporting rapid deployment of heat pumps, and weatherization upgrades,
- Improving buildings codes for new construction
- Implementing a Building Performance Standard to improve efficiency in large commercial buildings, and
- Making it easier for state and other public buildings to implement energy efficiency programs.

I urge you to support this package of bills that will help Oregonians across the state improve the efficiency, health and resilience of our homes and offices while reducing energy burdens.

Dr. Pat DeLaquil
Gresham, OR