

Submitter: Hal Nelson

On Behalf Of:

Committee: Senate Committee On Energy and Environment

Measure: SB871

Chair Sollman, Vice-Chair Findley, and members of the committee, my name is Hal Nelson from Portland. I am the CEO of a Portland-based software company that focuses on energy equity using AI and other advanced analytics. Our company has performed 'mass-scale' building energy benchmarking and remote energy audits for tens of thousands of properties for the largest utilities in the country. Our technology is lowering the costs of electrification and resilience program design and implementation by 10x compared to more labor-intensive, historical approaches. Because of these cost reductions, the benefits of building performance standards (BPS) and electrification can be delivered to the properties that need them most that have the highest energy expenditures as a share of income: naturally occurring affordable housing and small commercial properties down to 10,000 sq ft. For example, relating to SB870, using our analytics can eliminate the compliance costs to owners for reporting into a BPS program. Relating to SB868, our Net Zero Borough Tool identifies properties that can achieve net zero status using our recommended efficiency upgrades and rooftop solar PV. The building analytics can / should be redacted to exclude sensitive customer information and then can be shared with community-based organizations and municipalities and other agency partners to reduce customer acquisition costs and scale up resilient building energy retrofits. More information on our tools can be found at <https://res-intel.com/solutions/> The other benefit of passing the resilience bills is increased clean energy sector employment in Oregon with firms like Res-Intel. Thank you for considering my testimony.