

Submitter:	Michael Jung
On Behalf Of:	Modern Hydrogen
Committee:	House Committee On Climate, Energy, and Environment
Measure, Appointment or Topic:	SB685

Modern Hydrogen commends the efforts put forward by stakeholders to develop this amended SB 685 proposal. The company supports the principle of public notification and agrees that this one-time mechanism offers a workable approach to enhancing transparency.

Modern Hydrogen steadfastly asserts that methane pyrolysis can be an essential tool for accelerating the energy transition. Reintroducing clean hydrogen produced via methane pyrolysis fundamentally represents decarbonization of natural gas, which is distinct from adding outside hydrogen produced from other sources. We fully recognize that upstream methane emissions must be addressed by plugging leaks and sealing wells. At the same time, we know that efficient downstream decarbonization through technologies like ours can already more than offset upstream climate impacts. As policies and investments to address upstream emissions expand, our technologies' carbon intensity will continue to fall, much like the power grid has evolved in its performance over time through voltage and efficiency upgrades.

Modern Hydrogen's mission is to immediately and efficiently deliver clean molecules that enable "hard-to-decarbonize" sectors to begin reducing their emissions today, rather than waiting decades until new infrastructure can be sited, permitted, financed, constructed, and commissioned. Our approach uses one-eighth of the energy of electrolytic green hydrogen, produces rather than consumes clean water, and can be immediately deployed across our existing infrastructure with our current skilled workforce. Decarbonized molecules made through methane pyrolysis are an important complement to green electrons produced via renewable energy. It is our hope that Oregon can build upon its climate leadership as the home of the first distributed natural gas pyrolysis ("DNG pyrolysis") pilot project in the country to become a powerhouse in deploying and manufacturing the technologies that build a climate-compatible, energy-abundant, and environmentally-just future for all.