



## Green Catalyst 2 Conference

Yosemite Clean Energy leadership attended the Green H2 Conference in early December of 2023, hearing from many of the bright and energetic speakers who represent the rapidly developing ARCHES H2 Hub, in addition to other presentations about H2 development, infrastructure, the IRA, and offtakes.

Our CEO, Thomas Hobby, had the opportunity to discuss the viability of Yosemite’s advanced gasification technology with other participants and presenters, particularly as an alternative to electrolytic H2. Tom emphasized that utilizing biomass through this technology pathway is cost-competitive with electrolysis, provides carbon-negative hydrogen, and avoids many of the development concerns associated with electrolytic hydrogen. For these reasons, Tom advocated for the reframing of hydrogen classification to focus on Carbon Intensity instead of arbitrary color classifiers like “green” or “blue” hydrogen. This is a technology-agnostic approach, allowing for a fair and level playing field for all methods that assist in reaching our GHG reduction goals.



Adopting alternate proposals, like limiting “green hydrogen” to purely electrolytic methods, only curtails our collective climate action goals by restricting market competition. Such an approach



would disincentivize the adoption of technologies like Yosemite's, which provide additional co-benefits, including the reduction of hazardous fuels through the removal of forest waste biomass, ameliorating catastrophic wildfires and reducing short-lived climate pollutants. Hobby believes that as the industry matures, biomass to H2 will be amongst the most competitive H2 production pathways.

Infrastructure was another critical point of discussion. Yosemite Clean Energy's downstream partners, Yosemite Fuels LLC and Celly LLC, differentiate themselves from the ARCHES project by focussing on the upscaling of early-stage and small-scale H2 infrastructure. By building relationships with our customer base now and using our "stump-to-pump" strategy to vertically integrate our company's business lines, Hobby is confident that these companies can grow and substantially develop their infrastructure in the coming years. Yosemite Fuels is already engaging with municipal fleet managers and other heavy-duty H2 truck users, and is excited to continue developing the H2 ecosystem in California.