



SPE California Sustainability Study Group Webinar



Tuesday, September 14 at 12:00pm (noon) Pacific Time

Stan Cross

“Chevron’s Kern River Carbon Capture Project”

Chevron is committed to “higher returns, lower carbon”. To do so, it is imperative to identify & prove the effectiveness of novel technologies. Svante has a post-combustion carbon capture technology based on innovative solid absorbents that is projected to have significantly lower Capex and Opex compared to conventional liquid amine technologies.

Chevron and project participants Svante, Kiewit & OTS, are partnering with the DOE to design, construct, commission and test an engineering-scale carbon capture plant using Svante’s post combustion carbon capture technology. The capture plant will utilize a recently developed CALF-20 metallic organic framework (MOF) sorbent material under indicative natural gas flue gas conditions of ~8% CO₂ from a Once Through Steam Generator (OTSG). The planned system will capture 30 tonnes/day of CO₂. The project is currently in the construction phase with installation and commissioning scheduled for Q2/3 2022.

Project learnings will be used to improve the effectiveness of carbon capture and reduce the costs of implementation. Chevron and Svante aim to advance widespread commercial deployment of carbon capture in the United States consistent with Chevron’s goal to cost efficiently lower its carbon intensity.

Speaker: Stan Cross



Stan Cross is a Project Manager for Chevron Technology Ventures (CTV), a position he has held since September 2013. CTV addresses Chevron’s business needs through the identification and integration of innovative externally developed technologies that strengthen Chevron’s core business operations.

Stan began his engineering career in 1987 and has worked on mechanical, process & controls engineering through the management & execution of projects in Upstream, Midstream and Downstream. The primary focus of these projects includes carbon capture, solar-to-steam generation, geothermal power generation, combustion turbine inlet cooling, process chilling & heating plants, marine & land base vapor control systems and steam generator efficiency. Stan has a patent (pending) for “Large Fan Air Cooled Condenser for ORC Geothermal Power Plant Applications” and has written for national trade publications.

Stan holds a bachelor’s degree in civil engineering technology from the University of Houston and an MBA - Finance from the University of St. Thomas in Houston, Texas. He is a senior member of the Industry Advisory Board for the University of Houston – Downtown College of Sciences & Technology.

September 14, 2021, 12:00pm—1:00pm Pacific Time

**Sign in early (after 11:30am) to meet presenters
Open Group Discussion: 1:00—2:00pm Pacific Time**

Register Today!

<https://us06web.zoom.us/meeting/register/tZwpde-vqj4uGtAlPySvLaHmsZlykCf7a9w>

For more information, please contact: info@tonyamora.com
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