

Using innovative, leading global technologies, **Yosemite Clean Energy** transforms farm and forest wood waste into affordable, reliable, and renewable zero-emission fuels.



YOSEMITE
CLEAN ENERGY

2020 - 2021



CA forests **destroyed** by wildfires

- 6.7+ MM acres burned¹
- 36+ lives lost¹
- 14,745 structures destroyed¹
- 2MM structures at high or extreme risk²



At the end of orchards' lifecycles, they are either **burnt or chipped**

- Particulate matter and pollutants saturate the air we share
- Pushing, chipping, trucking, and added fertilizing costs become a liability for farmers

1. <https://www.fire.ca.gov/incidents/2021/>
 2. www.verisk.com/insurance

Leading with Experience



ROBERT JACKSON

MANAGING MEMBER AND VP
OF BUSINESS DEVELOPMENT



TOM HOBBY

CEO AND MANAGING
MEMBER



LOREN DUBBERKE

MANAGING MEMBER AND
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ZAKIUL KABIR

CHIEF TECHNOLOGY OFFICER



MICHAEL ZAHRADNIK

Director of International
Business



AUSTIN TERRY

Director, Downstream
Development



BILL KEHOE

CHIEF FINANCIAL OFFICER





✓ Development & Operations Services ✓ Sales & Credit Verification ✓ Proven Technology

“from Stump to Pump”



Biomass Management and Verification

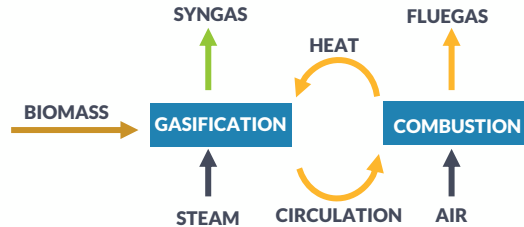
Plant Operations

Fueling distribution and sales

Technical University Vienna/Austria

Repotec

Dual-Bed Gasifier



Using proven, innovative gasification technology to make

Carbon Negative

syngas to produce:



Green Hydrogen

Successfully commercialized
in Europe for over

18+
years

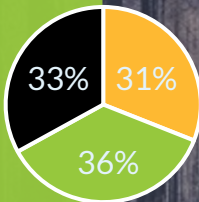
The Biomass Opportunity

IN CALIFORNIA:

An estimated 50 million bone-dry metric tons of forest and agricultural biomass waste are produced annually and are suitable for gasification.

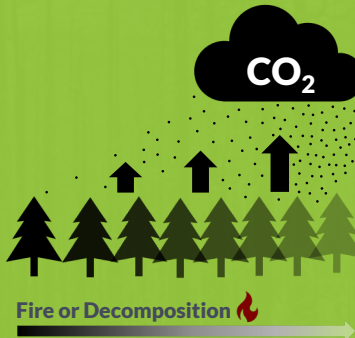
Total Biomass in CA
= 78 MM metric tons

- Agriculture
- Forestry
- Municipal



CURRENTLY:

Most carbon from wood waste returns to the atmosphere as CO₂ or methane through burning or the decaying process.



YCE SOLUTION:

Producing carbon negative fuels and managing forest and agricultural waste to mitigate climate change and reduce forest fire risk



Potential Offtakes

Green Hydrogen



Truck Stops



Ports Cities



OEMs



Refineries



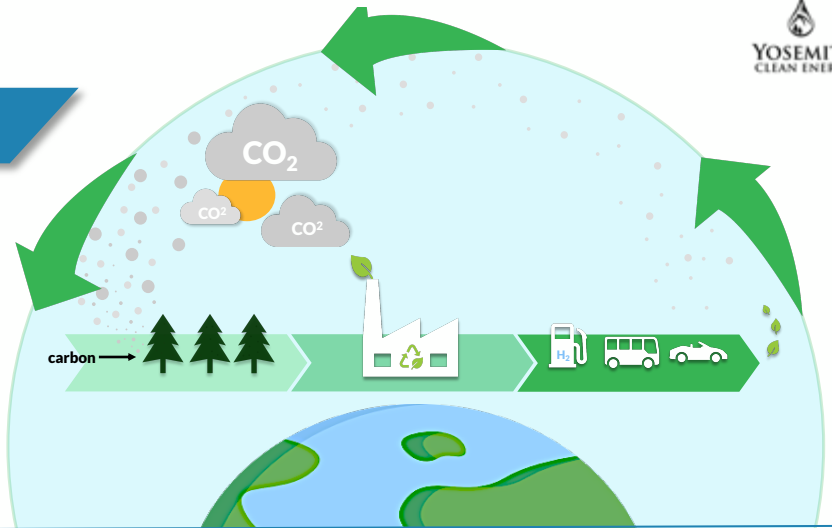
Municipalities



Rail

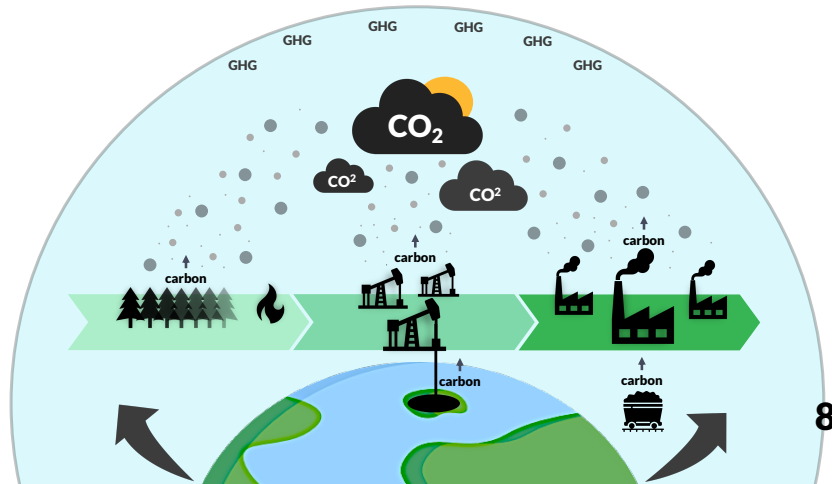
One Plant will Produce

24,000 kg
 H_2 /day



Displacing

21,300 gal.
DIESEL /day
6.2MM+
Per Year



Milestones



2018

- Wildfire crisis and excess biomass spawned company formation working alongside rural communities
- Company formed and team assembled by founders
- Technology identification



2019

- Selected technology and initiated development plans
- Developed preliminary business model
- Feedstock assessment
- Offtake opportunities considered



2020

- Completed primary technology design —FEL-1 and FEL-2
- Began identifying and securing plant and fueling sites
- Invested \$3mm to date of seed capital and accrued salaries



2021

- Selected an EPC and owner's engineers
- Engaged debt financing (tax free bonds, green bonds, USDA & DOE)
- Secured 3 project sites
- Received preliminary carbon intensity score



2022

- Completed FEL-2 engineering, began FEL-3 detailed design
- Began plant 1 permitting process
- Raising development capital and direct project investments
- Securing offtake



2023

- Signed carbon management agreement with CRC
- Signed offtake LOI to sell H2 with Gunvor
- Secured \$6M grant funding
- Developing Yosemite Fuels

Thank You



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CLEAN ENERGY

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