

The background features a dark blue gradient with a starry sky effect. On the left side, there are several circular technical graphics, including a large circular scale with numerical markings from 140 to 260 and various concentric circles and arrows. At the bottom, there is a silhouette of a mountain range under a dark sky.

# CCUS TECHNOLOGY AND WORKFORCE PROSPECTS

HOW WE TRANSITION MATTERS

# WHY CCUS MATTERS TO US

ATOMIC

CHEMICAL

EDUCATION

ENERGY AND UTILITIES

GMP COUNCIL: GLASS, MOLDERS, POTTERY, PLASTICS

AND ALLIED WORKERS

HEALTH CARE, PHARMACIES AND PHARMACEUTICALS

MANUFACTURING

METALS (STEEL, ALUMINUM, ETC.)

MINING

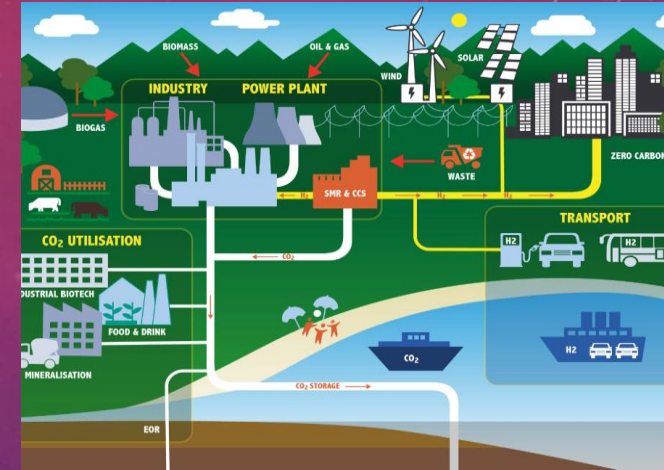
OIL AND PETROLEUM

PAPER AND FORESTRY

PUBLIC EMPLOYEES

RUBBER AND TIRES

TRANSPORTATION



# NEW ENERGY TECHNOLOGY AND JOBS

## INFLUENCES UPON:

- Communities
- Industries
- Employment
- Equitable Transition
- Manufacturing

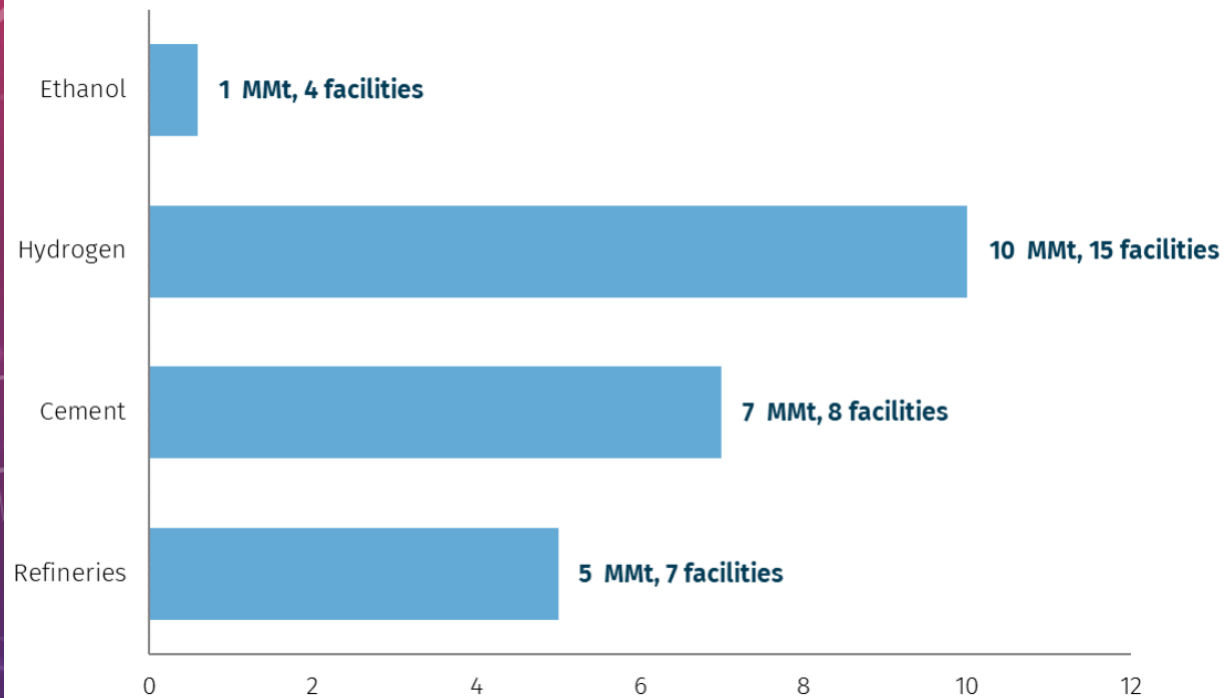


# California: Carbon Capture Potential

Near and medium-term retrofit opportunities in the industrial and electric power sector

## Carbon Capture Opportunity by Industry

Million metric tons of annual CO<sub>2</sub> capture



Source: Rhodium Group analysis, The Great Plains Institute

## State Summary

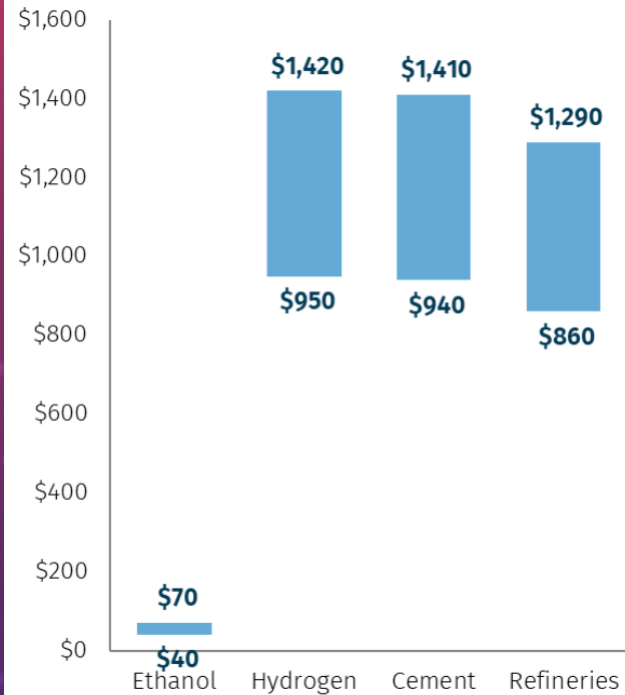
- If all near to intermediate term opportunities in California are pursued, \$2.8 to \$4.2 billion in investment will be required to support these projects.
- Jobs associated with carbon capture capital investment in California total 890 to 1,340 on average per year over the next 15 years.
- Annual jobs to operate carbon capture retrofits total 880 to 1,200 ongoing jobs.
- In addition, \$1.2 billion in transport infrastructure will be required to support these projects. This investment will create 540 jobs on average each year over a 15-year deployment period.

# California: Industrial Facilities

## Carbon capture opportunities

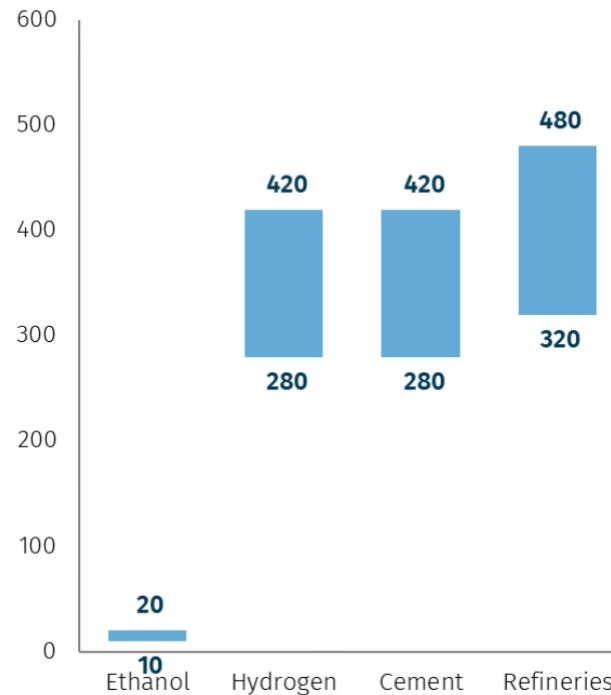
### Capital Investment Requirement

Million \$ USD



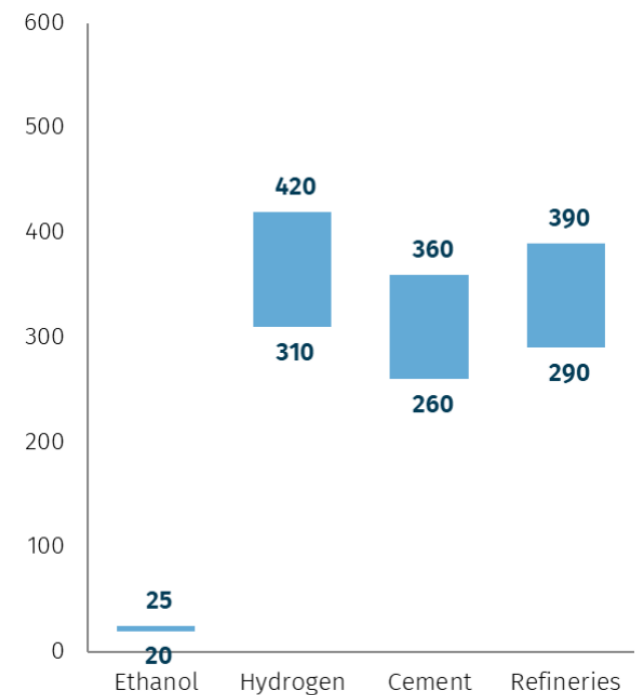
### Jobs Associated with Capital Investment

Average Jobs Each Year, 2021-2035



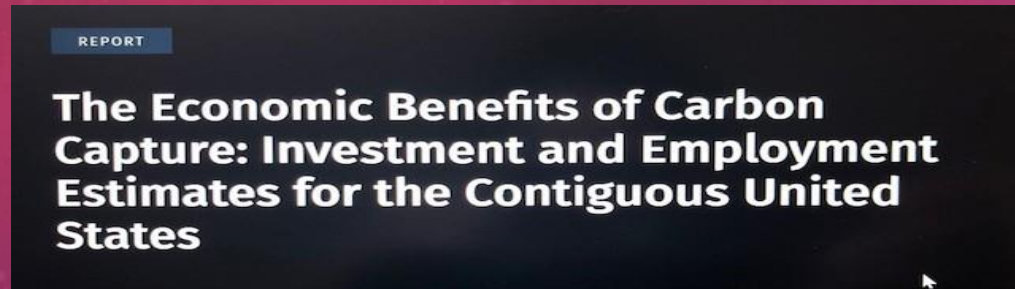
### Ongoing Jobs

Annual Operation Jobs

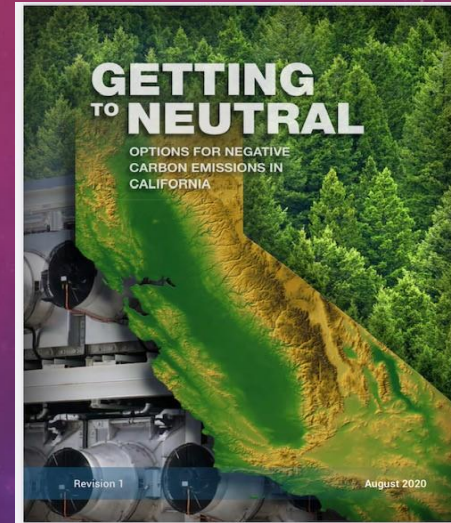


Source: Rhodium Group analysis. Note: The values above are not cumulative. The actual jobs associated with capital investment in any given year will depend on the pace of project development. Capital investment job values above reflect the average over the 15-year study period. Ongoing jobs include on-site and off-site jobs.

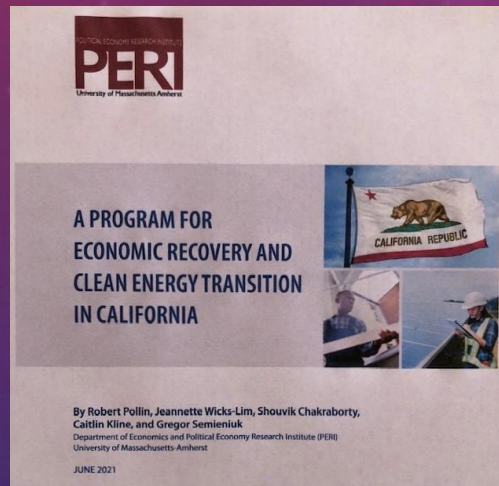
# RESOURCE INFO/REPORT LINKS



<https://rhg.com/research/state-ccs/>



[Getting to Neutral.pdf \(Inl.gov\)](#)



[PERI - A Program for Economic Recovery and Clean Energy Transition in California \(umass.edu\)](#)



[Net Zero by 2050 – Analysis - IEA](#)