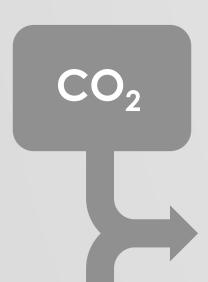
Solid Carbon Products LLC

Transforming CO₂ from an environmental liability into a profit center.

www.solidcarbonproducts.com

Re-engineering the carbon production industry



Hydrogen or Natural Gas**

Note** $[CO_2 + H_2]$ feedstock already proven at pilot scale. Next up $[CO_2 + CH_4]$



Carbon Materials



Distilled
Water
Agricultural
& Industrial
Use

Global Carbon Production
Annually

Coke
Steel Refining
>400 Million Tons

Carbon Black
Tires, Plastics, Coatings
13,000,000 Tons

High Purity Carbon
Graphite Electrodes
Battery Anodes
1,580,000 Tons

Concrete Aggregate
Replacement
Potentially 700MT

Noyes Process is Carbon-Negative



"the numbers indicate that the overall Noyes Process is **carbon-negative** - in other words, there is a **net carbon reduction** – under just about any configuration of the technology"

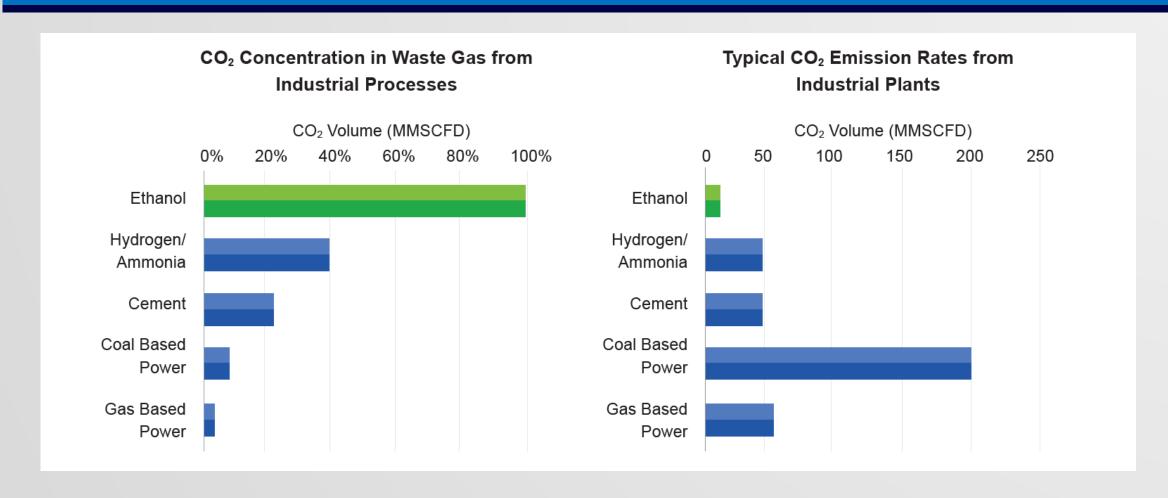
Stoichiometry

$$CO_2 + 2H_2 \rightarrow C_{Solid} + 2H_2O$$

Mass Balance

3.7 tons
$$CO_2 + 0.3$$
 tons $H_2 \rightarrow 1$ ton $C_{Solid} + 3$ tons H_2O

Sources of CO₂ - SCP is source agnostic



Source: Capturing and Utilizing CO2 from Ethanol: Adding Economic Value and Jobs to Rural Economies and Communities while Reduction Emissions – White paper prepared by State CO2-EOR Deployment Work Group- December 2017

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