There are no comments posted to Informational Update on California's Greenhouse Gas Goals and Deep Decarbonization (caghggoals111920) at this time.

## **Comment 1 for Informational Update on California's Greenhouse Gas Goals and Deep Decarbonization (caghggoals111920). (At Hearing)**

First Name: Muriel Last Name: Strand Email Address: ecoengr@comcast.net Affiliation: retired Air Resources Engineer

Subject: comments on California's Greenhouse Gas Goals and Deep Decarbonization Comment:

please see attached document.

Attachment: www.arb.ca.gov/lists/com-attach/1-caghggoals111920-VTZQN1wvAjMEXQJs.docx

Original File Name: CARB Nov 2020 Update GHG goals & decarbonization.docx

Date and Time Comment Was Submitted: 2020-11-19 08:49:05

## **Comment 2 for Informational Update on California's Greenhouse Gas Goals and Deep Decarbonization (caghggoals111920). (At Hearing)**

First Name: Jon Last Name: Constantino Email Address: jon@tradesmanadvisors.com Affiliation:

Subject: Comment for GHG deep decarbonization item Comment:

See attached.

Attachment: www.arb.ca.gov/lists/com-attach/2-caghggoals111920-AGYFZlMwUV0AcAZ1.pdf

Original File Name: Feb vs July CN PPT.pdf

Date and Time Comment Was Submitted: 2020-11-19 09:44:16

## **Comment 3 for Informational Update on California's Greenhouse Gas Goals and Deep Decarbonization (caghggoals111920). (At Hearing)**

First Name: Bob Last Name: Epstein Email Address: bobsepstein@gmail.com Affiliation: Project 2030

Subject: GHG Reductions from Concrete & Cement Comment:

We recommend that CARB add a Low Carbon Concrete Standard in the 2021 Scoping Plan. As operating emissions from buildings drops due to efficiency and clean energy, the embedded carbon will be increasingly important. We need to significantly reduce the embedded carbon in building materials. We believe it is technically and economically feasible to significantly reduce the emissions from concrete by creating a declining emissions standard as outlined in the attached document. Currently, only the cement industry is regulated via the cap and trade program. The concrete industry has many ways to innovate and concrete standard would stimulate innovation.

The concrete industry can reduce emissions in part by reducing the amount of portland cement needed. The portland cement industry has various ways of reducing their emissions but ultimately the industry needs to capture the CO2 emissions. We believe our proposal will accelerate the timeframe to capture CO2. As outlined in the staff report, California needs a multi-sector, vibrant CO2 capture, reuse and sequestration system in place before the end of the decade. The cement industry can play a major role in establishing such a system.

Attachment: www.arb.ca.gov/lists/com-attach/4-caghggoals111920-VDdWP10yAjILfwFk.pdf

Original File Name: Concrete Summary V10.pdf

Date and Time Comment Was Submitted: 2020-11-19 09:49:16

## **Comment 4 for Informational Update on California's Greenhouse Gas Goals and Deep Decarbonization (caghggoals111920). (At Hearing)**

First Name: Hoai-An Last Name: Truong Email Address: Non-web submitted comment Affiliation: Mothers Out Front

Subject: Public Comment from Mothers Out Front Comment:

Please see attached.

Attachment: www.arb.ca.gov/lists/com-attach/6-caghggoals111920-Wi4BdQF1Aj5QOABn.docx

Original File Name: truong.docx

Date and Time Comment Was Submitted: 2020-11-25 13:09:26