Center for Carbon Removal

ARB CCS Stakeholder Workshop
February 12, 2016

www.centerforcarbonremoval.org
Background: Paris Agreement

196 countries agree to an ambitious goal:

This Agreement...aims to strengthen the global response to the threat of climate change...
by a) Holding the increase in the global average temperature to well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5°C above pre-industrial levels...
>100% Reduction for <2°C Goal

9 in 10 of IPCC scenarios consistent with 2°C involve net-negative emissions by 2100

25 GW of negative-emissions power plants shown by IPCC scenarios installed annually in near-term (by 2040)

0 existing negative emissions power plants operational today
Negative Emissions CCS

Bioenergy + CCS
Processes include:
- Ethanol
- Municipal solid waste
- Combustion for electricity and/or fuels production

Direct Air CCS
CA and Negative Emissions CCS

1) Develop measurement and verification protocols relevant to all types of CCS.

2) Demonstrate negative emissions CCS today → CA lead the world in setting and meeting ambitious climate goals.
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Positive solutions for negative emissions

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