

07/09/2021

Adding FACE technology to 2022 SB 32 Scoping Plan Farmer/ Rancher Led Solutions Portfolio  
Kolodji Corporation- Brian Kolodji

Dear Chair Randolph,

These public comments for the 2022 SB 32 Scoping Plan are shared with you from me as president and owner of the Kolodji Corporation, an energy carbon management firm whose goal it is to accelerate California's carbon neutrality to 2030, fifteen (15) years sooner than the mandated 2045 date, using held by the Black Swan, LLC intellectual property rights holding company which I also own. I want to start by thanking God for your leadership in California's government in saving the world from impending catastrophe due to climate change. I further want to thank God and His awesome breath for giving us life, rebirth through His son Jesus Christ, and His Spirit to which I account these gifts of innovation to enable California a highly beneficial safe green nature based sustainable transition to carbon neutrality.

I wish to emphasize that I am fully supportive of Governor Newsom's Executive Order N-82-20 issued in March 2020 for innovative strategies to use California lands to fight climate change, conserve biodiversity, and boost climate resilience, which is the basis for the low cost nature based climate solutions and innovations that Kolodji Corporation implements to achieve the aggressive goal for California carbon neutrality by 2030. Please find attached a letter promoting successful results and progress towards increase the water utilization efficiency (WUE) of the largest consumer of water, agriculture, in the state of California by average 55%. Should this technology become widely accepted, another benefit is the social justice contribution of tens of thousands of socially disadvantaged community jobs and almost 0.5% to the state's Gross Domestic Product with increased crop yield and water savings by adding potentially over \$5 Billion (over 10%) to the agricultural economy.

Black Swan technology patented this year, is being funded and piloted using a 2018 State Water Efficiency and Enhancement Program (SWEEP) grant. Please see a letter in regards to reupping SWEEP grant funding addressed to the California Department of Food and Agriculture's (CDFA's) Office of Environmental Farming and Innovation (OEFI) Scientific Advisory Panel (SAP) Chair, Dr. Jeff Dlott, from Dr. Bruce Kimball, USDA (40 years, retired), and Greenleaf Group founder, a world-wide expert on crop carbon dioxide enrichment, and soil scientist; Dr. Brian Marsh, Executive Director of the University of California Agricultural Natural Resources Cooperative Extension- Kern County; and myself trumpeting the successes from implementation Black Swan technology at the SWEEP grant awarded Dosanjh Brothers almond orchard by the Kolodji Corporation. Black Swan for the first time, commercializes Free Air (crop) Carbon (dioxide) Enrichment (FACE) technology based on crop enrichment science and research proven for over a half century by the USDA and Brookhaven National Laboratory (BNL)- see attached papers on 17-year citrus study by Dr. Kimball of USDA, et al showing 55% increased WUE and 70% increased yield for citrus.

To support accelerated mitigation of climate impacts, especially drought by way of a greatly needed acceleration of FACE technology development/ implementation, this is a request to specifically add FACE technology to the portfolio of Farmers/ Ranchers led Climate Solutions in the 2022 AB 32 Scoping Plan.

Respectfully submitted,

Brian Kolodji, PE

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