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Comment Received From: Fahmida Bangert
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Docket # 19-BSTD-03; 2022 Title 24 standards

Additional submitted attachment is included below.

Subject: Docket #: 19-BSTD-03; CEC hearing on Tuesday 10/6 shaping the 2022 Title 24 standards

From: Fahmida A. Bangert, Director of Office of Sustainability, Department of Sustainability and Energy Management, Stanford University

Date: Oct 5, 2020

We recommend aggressive adoption of clean electrification be incorporated into the 2022 Building Energy Efficiency Standards (Energy Code). This will minimize the need for building retrofits in the future, ensure new construction is aligned with the building and automobile carbon emissions reduction goals of the state, and set a framework for deep decarbonization from all scopes of carbon emissions. We are experiencing climate change in California at a rapid pace, and our collective actions will help our state infrastructure reflect the needs of our time.

Since 2015, Stanford University has been operating on a district-level heat recovery system running on progressively more renewable electricity. The electricity is procured from California Direct Access or Stanford’s own solar facilities. This system enabled the transition of the campus energy supply from a fossil fuel-based system to an electrically powered heating and cooling system that will allow the university to reach its target of reducing Scope 1 and Scope 2 emissions by 80% in 2021. At that point, Stanford will rely on 100% renewable electricity to power the campus. The campus has been able to model environmental and economic sustainability at a district and city level. The university has already identified strategies to reduce the remaining 20% of Scope 1 and 2 emissions; aligning strategies consistent with the electrification framework is beneficial for all planning, communication, and community outreach.

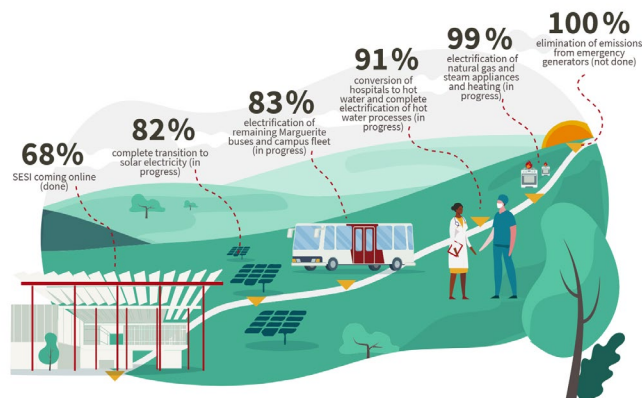


Image: Stanford’s decarbonization pathway

The 2022 Building Energy Efficiency Standards (Energy Code) will have a great impact on building standards. This impact should be synergistic and momentous, as aspects of building construction statewide are interlinked with California’s goals to be carbon neutral by 2045, California cities’ electric reach codes, and the Governor’s direction away from gasoline powered cars sales starting in 2035. Thank you for your consideration to make 2022 Building Energy Efficiency Standards (Energy Code) fully aligned with our needs for deep decarbonization.