

DOCKETED

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Additional submitted attachment is included below.



July 16, 2015

Commissioner Andrew McAllister
California Energy Commission
1516 Ninth Street, MS-18
Sacramento, California 95814

Subject: Over-arching Comments from Berkeley Lab, Energy Technologies Area on the draft Existing Buildings Energy Efficiency Action Plan

Dear Commissioner McAllister -

Thank you for the opportunity to provide comments on the draft Existing Buildings Energy Efficiency Action Plan (docket 15-IEPR-05), Assembly Bill 758 (Skinner).

Lawrence Berkeley National Laboratory (Berkeley Lab) supports the ambitious policy goals of the state of California to achieve maximum energy savings and market transformation of the existing buildings market. Berkeley Lab, and particularly the Energy Technologies Area (ETA) within Berkeley Lab, shares a deep-rooted commitment with the State of California to achieving greater energy savings in existing residential and nonresidential building stock.

We have been privileged to support the State of California in research, design, development and demonstration (RDD&D) of innovative technologies, program design and evaluation, code compliance strategies, water-energy dynamics, demand response and other research efforts that have, over the past 30 years, contributed nearly \$484 billion in economic value to the US economy.

We express our strong support for the strategies identified in the roadmap: no regrets, voluntary pathways and mandatory approaches. The comments attached in this letter are intended to provide valuable feedback regarding opportunities to partner with the state to accomplish these ends.

California is home to four national laboratories – Berkeley Lab, Lawrence Livermore National Laboratory (LLNL), Sandia National Laboratories/California (SNL/CA) and SLAC National Accelerator Laboratory – who combine to employ more than 13,000 California residents, represent more than \$2 billion in payroll base and who have produced more than 20 Nobel prizes in recognition of the stellar science that is incubated in the national laboratory system and commercialized at scale to affect the lives of millions.

Should you need additional language to add to the stakeholder section of the roadmap, we would be delighted to provide it.

Strategic Market Engagement

On a more strategic basis, with specific relevance to the existing building roadmap, Berkeley Lab can help support these efforts by tapping into our deep knowledge of the built environment, and



through building market alliances and key initiatives, such as the Global Partnership Alliance and the Guaranteed Performance program that focus on overcoming broad market barriers and convening key stakeholders within the buildings industry.

Global Partnership Alliance (GPA) is a public/private initiative designed to dramatically accelerate building energy efficiency. Convened initially by Berkeley Lab and our key major market partners, GPA works with a range of partners, including lenders, owners, third-party efficiency firms and industry organizations, allowing stakeholders from across the full spectrum of the buildings market to collaborate and address the most challenging issues the building industry faces. Through this collaboration we aim to reduce energy consumption in the built environment by 50% by 2030 and 80% by 2050, significantly impacting public and private commercial building markets, valuing and creating totally new business models, and open new markets by overcoming current barriers to deployment of energy efficiency programs and financing at scale.

In addition to a high-level buildings industry engagement program, the Alliance will lead a strategic initiative called Guaranteed Performance (GP). GP will develop and deploy validated investment-grade risk management methods and procedures, enabling cash flow from energy efficiency to be properly valued, financially transactable, and fully integrated into the market value of buildings (at low transaction costs).

Berkeley Lab looks forward to continuing to engage with CEC and other key stakeholders in helping to refine and implement the roadmap outlined in the Plan. It has been our privilege to work with the State of California on critical issues affecting the State and our environment. As a representative member of our country's National Laboratory system, Berkeley lab greatly values the opportunity to participate as a stakeholder in this process.

Respectfully,

Jodi Bellacicco, Program Manager, Program Development
Energy Technologies Area
Lawrence Berkeley National Laboratory

CC: David Hochschild and Martha Brook