



Energy Commission

INFORMATION CALENDAR

September 13, 2018

To: Honorable Mayor and Members of the City Council
 From: Energy Commission
 Submitted by: Ryan Bell, Chairperson, Energy Commission
 Subject: Berkeley Energy Commission Workplan for 2018-2019

INTRODUCTION

The members of the Energy Commission developed the Berkeley Energy Commission's Workplan for 2017-2018 in consultation with City staff to ensure alignment of existing efforts to implement the Climate Action Plan and other priorities through the promotion of clean energy, giving priority to existing referrals to the Commission from the City Council.

CURRENT SITUATION AND ITS EFFECTS

In 2016, the City Council directed all commissions to submit work plans to the City Council at the beginning of each fiscal year. At its meeting of May 23, 2018, the Energy Commission voted to adopt this work plan and send it to City Council. [Vote: 4-0-0-5; Ayes: Bell, Leger, Schlachter, Stromberg. Noes: None. Abstain: None. Absent: Luce, Joula. Leave of Absence: Bernhardt, Elmallah, Weems.]

BACKGROUND

The Berkeley Energy Commission is charged with advising the City Council on matters related to energy conservation and alternative energy development in the City of Berkeley. To fulfill this mission, the energy commission proposes taking action in the following strategic areas over the next year:

- Promoting energy efficiency in the built environment
- Promoting the use of clean, renewable, energy
- Reducing transportation energy use
- Advancing municipal building upgrades and renewable energy installation

The attached workplan outlines the specific activities and deliverables the Energy Commission will work on over the next year.

ENVIRONMENTAL SUSTAINABILITY

The Energy Commission's Work Plan helps advance energy efficiency, clean energy, and the City's greenhouse gas reduction goals.

POSSIBLE FUTURE ACTION

The Commission may make additions or changes to the workplan as opportunities arise and referrals are made from City Council.

FISCAL IMPACTS OF POSSIBLE FUTURE ACTION

There will be no expected financial impact of adopting the Energy Commission's work plan, beyond some minimal staff time for City employees to prepare updates and presentations for the Commission on City programs. In the long run, the activities outlined in this plan could save the City money decreased energy costs.

CONTACT PERSON

Billi Romain, Commission Secretary, Department of Planning and Development, (510) 981-7432

Attachments:

1: Berkeley Energy Commission's 2018-19 Work Plan

Berkeley Energy Commission's 2018-19 Work Plan

MISSION

The Berkeley Energy Commission advises the City Council on climate protection, energy conservation and alternative energy development in Berkeley.

STRATEGIC ISSUE AREAS

To carry out its mission, the Energy Commission will work in the following areas over the next year:

- Promoting energy efficiency in the built environment
- Promoting the use of clean, renewable, energy
- Reducing transportation energy use
- Advancing municipal building upgrades and renewable energy installation

ACTIVITIES

Within each of these strategic issue areas, the Commission will focus on the following specific activities over the next year.

Strategic Issue Area: Promoting clean energy and energy efficiency in the built environment

1. Advance Berkeley's codes, policies, and programs for promoting building efficiency and green building practices
 - *Deliverables:*
 - Review, enhance, and help promote the City's suite of approaches for implementing the Deep Green Building program, including considerations of embodied energy and toxics.
 - Review and suggest improvements for implementing and tracking the Building Energy Savings Ordinance.
 - Promote building electrification and replacing natural gas space and water heating with electric heat pumps through developing reach codes and hosting education workshops.
 - *Lead Commissioner:* Leger, Elmallah, Stromberg
 - *Timing:* Ongoing
2. Track energy resources available to disadvantaged communities
 - *Deliverables:* Investigate ways to increase opportunities to improve energy efficiency and access to alternative fuel and power sources in Berkeley's disadvantaged communities.
 - *Lead Commissioner:* Bell
 - *Timing:* Ongoing

Strategic Issue Area: Promoting the use of local renewable energy

3. Track the development of East Bay Community Energy (EBCE)
 - *Deliverables:* Track EBCE's rollout and provide comments on their programs, electricity mix, default offerings, opportunities to advance City priorities.
 - *Lead Commissioner:* Stromberg, Bernhardt
 - *Timing:* Ongoing

Strategic Issue Area: Reducing transportation energy use

4. Evaluate electric vehicle infrastructure programs
 - *Deliverables:* Evaluate the potential for increasing electric vehicle charging through city code. Assist city staff with the development of the city's electric vehicle action plan. Review best practices and infrastructure innovations to promote electric vehicle adoption.
 - *Lead Commissioner:* Weems, Schlachter
 - *Timing:* Summer and Fall 2018

5. Track other alternative fuel technologies and infrastructure issues to that could reduce vehicle use
 - *Deliverables:* Investigate opportunities for transitioning to electric buses and provide recommendations on other topics as they arise.
 - *Lead Commissioner:* Bernhardt, Schlachter
 - *Timing:* Ongoing

Strategic Issue Area: Advancing municipal building upgrades and renewable energy installation

6. Provide input and guidance into the Berkeley Energy Assurance Transformation (BEAT Micro-grid) Project
 - *Deliverables:* Input and guidance provided on the project, including comments to staff on the draft report to the CEC, as well as providing input into subsequent grants and projects.
 - *Lead Commissioner:* Bell
 - *Timing:* Spring - summer 2018

Other topic areas followed by the Energy Commission

- Berkeley's Climate Action Plan, its impact, and opportunities for improvement
- Energy efficiency and alternative energy strategies in municipal projects

IMPACTS

1 – 3 years: Accelerated reductions in greenhouse gas emissions, so that Berkeley achieves its 2020 Climate Action Plan goal of reducing greenhouse gas emissions 33% below 2000 levels while avoiding unintended side effects.

4 – 6 years: Accelerated reductions in greenhouse gas emissions so that Berkeley is on track to achieve its 2050 Climate Action Plan goal of reducing greenhouse gas emissions 80% below 2000 levels while avoiding unintended side effects.

RESOURCES NEEDED

The Energy Commission does not anticipate any additional resources needed beyond the staff time required to provide updates on the activities in this work plan that overlap with their regular duties.