

Proposed 2016 Energy Action Plan for LESAC

Vision:

By leveraging new and existing partnerships and successes, Lafayette is increasing access to energy efficiency and clean energy sources, and putting in place the social and governmental infrastructure for an economically thriving, sustainable and healthy community.

Goal:

Promote a citywide approach to an environmentally sustainable Community through collaboration among City departments and support economic expansion by creating opportunities for access to clean affordable energy for businesses and residents.

Objectives:

1. Organize membership into sub-committees in order to effectively accomplish projects
2. LESAC will, via sub-committees, develop and/or support programs to meet community energy goals and respond to emerging energy issues.
3. Coordinate efforts through LESAC Chair and Vice Chair positions, in coordination with the City of Lafayette Energy Manager
4. Ensure measurable outcomes and metrics are developed for each program
5. Identify City Departments with Collaboration Opportunities
6. Expand Green Business Recognition Program to offer additional benefits and opportunities
7. Ensure that effective outreach and external communication are defined for each program
8. Increase awareness of LESAC 's resources for the community through an effective website
9. Develop and track overall carbon mitigation goals and collaborate with regional governments
10. Advise City Council on energy technology and policy matters as they are presented

Actions:

1. Update and enhance the LESAC website to develop a valued resource for residents and business owners. There are numerous sustainable opportunities available to Lafayette residents and it is LESAC's goal to make this website informative and useful for the community to locate resources to support their efforts. This will include a redesign of the "Go Green" page.
2. LESAC Document Management – Develop Guidelines for Historical Documents (City docs – ESCO manuals, Wind Project, Solar Array docs etc.) to be added to LESAC Dropbox library. And determine public documents to be posted for access on the LESAC-related web pages.
3. Implement an outreach and Public Information strategy - Develop templates to be used by each subcommittee.
4. Carbon Tracking and GHG emission reduction goals. Conduct GHG Inventory using new tools developed by LESAC in 2015 and utilizing new Xcel Community Energy Reports. LESAC will comply with the new request requirements to obtain reports and conduct an inventory and evaluation to determine 2015 programmatic impact on reaching GHG reduction goals.

5. Continue work with Local Governments on Regional GHG emission reduction strategies.
6. Provide technical and Policy guidance on proposed Ground Source Heat Pump (GSHP) system for City Hall. Support efforts to evaluate GSHP as an option for retrofitting the aging and inefficient City Hall HVAC system with analysis of solar array production and identification of potential financing options such as an energy saving performance contract. Potentially incorporate other energy efficiency measures with this project, including lighting retrofit, and envelope upgrades.

Programs:

1. **Green Business Recognition Program.**

LESAC will work with Boulder County Public Health Partners for a Clean Environment to develop a 2016 program that builds on the tremendous success of 2015. Boulder County is replicating the program that Lafayette started in each of the other Boulder County cities. LESAC will address the lessons learned from the survey that was sent to businesses in Lafayette to adjust the program for 2016. The objective will be to engage additional businesses to take energy and cost savings actions inspired by participation in the program, which will help Lafayette meet its energy goals.

(Antoinette, Jeanne)

Innovate new elements of the program to consider for 2016:

- a. Packaging
- b. Alternative fuel vehicles, EVs and Charging Stations Expand EnergySmart for businesses to include advising for workplace charging and EV adoption (SWEEP report). Partner with Clean Cities on Workplace EV demos.
- c. Transportation
- d. Portfolio Manager – CECO voluntary reporting

2. **Municipal On-Bill Finance**

Complete Evaluation and Analysis of a program as a potential mechanism for low income residents to make energy improvements. (ROBB)

3. **Partners in Energy**

Work with Xcel Energy in their Partners in Energy Program to develop an 18 month energy action plan with community stakeholders, with potentially considerably support (resources and financial) from Xcel Energy. (TRACY, LEIA)

4. **Collaborate with City Departments for integrated Sustainability**

- a. Planning Division and Commission. Form a collaborative partnership with the Planning Division to develop a list of environmental considerations for developers to promote economic expansion by supporting sustainable development. Could include solar easements, New Construction policies that reduce barriers to solar, Zoning codes to promote solar.

(This was specifically named in the BOCO grant application that was funded)

- b. Historic Preservation. – Work with Historic Preservation Committee to develop a plan to identify and target historic buildings (50 years or older) with Energy Smart incentives.
- c. Open Space – LESAC will work with Open Space Consultant to develop community outreach programs and develop programs that create an appreciation the interactions between living and energy systems and the need for conservation and preservation.
- d. Urban Renewal – Identify synergies with LURA as the Lafayette downtown revitalization continues.
- e. Permitting - Identify opportunities to coordinate permitting for Solar PV, EVSE stations.

5. Solar

With the success of Solarize Colorado, LESAC will find additional opportunities to promote solar PV in both residential and commercial markets.

- a. Solar Powering America by Recognizing Communities (SPARC). Lafayette will apply as an early adopter in the program and apply for national recognition in addition to COSEIA solar friendly community status. Lafayette will receive technical assistance in areas identified in the application document in the areas of planning, zoning, permitting, finance options, solar storage projects, community solar etc.
 - b. Develop Solar PV goals with Environment Colorado
6. EnergySmart - target at an older specific vintage of homes with known efficiency issues. Develop an upgrade package with insulation, etc. geared toward that era of homes in a given section of the city and financing for Windows and higher cost items.
 7. EVSE charging station infrastructures build out. Lafayette was awarded grant funding to install a dual port station at the Recreation Center. With the success of the EV bulk purchasing program that was paired with the rooftop solar PV campaign, the number of EVs has increased and Lafayette is addressing the need for additional charging capacity. LESAC will evaluate ways for local businesses to encourage workplace charging. Lafayette will partner with Clean Cities on this effort. Develop a Community readiness plan that identifies several key locations for charging stations and then systematically fills in the gaps. The PEV community scorecard is also a good way to evaluate the community as a whole and could be a more holistic option.
 8. Policy – Map goals to Paris and analysis of Clean Power Plan on local community