Climate Corps 18-19

CLIMATE CORPS

Energy Conservation Initiatives

Environmental Services Department

Sustainability and Compliance

Program Name / Project Descriptions

Call for Projects Grant Administration & Proposition 39 Assistance

Assisted Silicon Valley Energy Watch support of Local Educational Agency's (LEA's) Call for Energy Efficiency Projects, through which $483,773 is offered in grants to fund staff time to assist with the implementation of Proposition 39 energy efficiency projects.

Natural Gas Savings are Equivalent to Removing:

1,731 tree seedlings grown for 10 years -or- 123 acres of U.S. forests in one year

kWh Savings are Equivalent to Removing:

273 Passenger vehicles driven for one year -or- 3,147,686 Miles driven by an average passenger vehicle

Zero Net Carbon Initiatives & Advocacy

Helped advocate for the reduction of carbon-based energy consumption in buildings through Climate Smart initiatives, BAAQMD Grant Funding, SVEW energy train, and more.

- Produced an educational video about the features and benefits of zero net carbon buildings (ZNC).
- Developed and wrote a case study on a recent ZNC retrofit.
- Coordinated with local partners to host an Electrification Expo
- Assisted in developing, coordinating, and hosting a variety of 22 free energy-focused trainings to educate the public on:
    - effective energy conservation strategies;
    - market trends for cutting-edge energy efficiency technologies;
    - current local and state energy policies which impact local building requirements and building operations

Achievements / Results / Outcomes

Call for Projects Grant Administration & Proposition 39 Assistance

Call for Projects Grant administered a total of $301,339. Out of the implemented energy efficiency measures, the LEA's can expect to save a total of 1,820,550 kWh and 19,749 Therms annually compared to previous years.

Zero Net Carbon Initiatives & Advocacy

- Created a educational video on ZNC to be distributed throughout the South Bay
- Wrote and published a case study
- Coordinated and planned a city hosted expo for ZNC in October

Lessons Learned / Fellow Experience

Successful Strategies:

- Making yourself readily available to stakeholders helps generate a lot more interest and business
- Attend conferences and courses

Recommendations for Improvement:

- Create detailed Standard Operating Procedures especially when transitioning to help others replacing role
- Plan informational interviews monthly

sei STRATEGIC ENERGY INNOVATIONS

CITY OF SAN JOSE CAPITAL OF SILICON VALLEY

SILICON VALLEY energy watch

Alex Hanlock-Chapman

Fellow background: Environmental compliance and planning professional with a working history in government administration, environmental due diligence, land use planning, and sustainable development.

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