

**From:** Steve Ferry <[sjferry@cox.net](mailto:sjferry@cox.net)>

**Date:** August 17, 2020 at 11:18:26 AM PDT

**To:** Kyle Richards <[krichards@cityofgoleta.org](mailto:krichards@cityofgoleta.org)>, Stuart Kasdin <[skasdin@cityofgoleta.org](mailto:skasdin@cityofgoleta.org)>, Paula Perotte <[pperotte@cityofgoleta.org](mailto:pperotte@cityofgoleta.org)>, James Kyriaco <[jkyriaco@cityofgoleta.org](mailto:jkyriaco@cityofgoleta.org)>

**Subject:** City Hall Solar and Energy Storage Feasibility Assessment does not consider diesel backup generator emissions or life cycle emissions

Dear Goleta City Council:

I read over the staff report on the City Hall Solar and Energy Storage Feasibility Assessment. I applaud the City on planning for procurement and installation of a clean energy project. I'm also impressed that the consultant is striving to provide information on pursuing a renewable solution to powering city hall in a way that optimizes the financial benefit to the City.

However, it appears to me that there is something missing from the analysis – the expected emissions from the backup diesel generator used for emergencies. I believe that the diesel generator emissions should be included in the analysis. For example, what if the CO2 emissions from the diesel generator, given the expected annual use, actually exceeded the emissions savings from the solar panels? While this is extremely unlikely, the City should go into this project with its eyes open and consider, as a system, all of the emission savings and emissions caused by the project. It may be useful to put a monetary value on the CO2 emissions, e.g. dollar value of a metric ton of CO2 displaced, for example, in order to have a basis of comparison for each option. It's conceivable that a system with a larger battery backup could reduce the use of the diesel generator to the extent that the larger battery backup would make sense, if the negative monetary value of the diesel emissions were taken into account.

Another factor that should be taken into account is the total life cycle emissions of the system, from mining of materials through manufacturing, installation, use, and disposal; and compare that to the emissions from the "no system" option, i.e. just using power from SCE, generated by natural gas. This sort of analysis has certainly been done elsewhere; perhaps your consultants could scale another analysis.

Thanks for considering these ideas.

Regards,

Steve Ferry  
Camino Galeana

**From:** [Michael Chiacos](#)  
**To:** [Paula Perotte](#); [James Kyriaco](#); [Kyle Richards](#); [aceves@cityofgoleta.org](mailto:aceves@cityofgoleta.org); [Stuart Kasdin](#); [City Clerk Group](#)  
**Cc:** [Cindy Moore](#); [Peter Imhof](#); [April Price](#)  
**Subject:** CEC Supports Solar+Storage at City Hall  
**Date:** Monday, August 17, 2020 4:52:34 PM  
**Attachments:** [Outlook-A picture .png](#)

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Dear Mayor Perotte and City Councilmembers,

Please read these comments into the record.

The Community Environmental Council is pleased the City of Goleta is seriously considering installing solar and battery storage at City Hall. We are supportive of the City developing as large of a solar array and battery as is economic. This project will reduce greenhouse gas emissions, improve resiliency, and showcase Goleta's ability to lead by example.

We've reviewed the staff report and are impressed with the level of detail and analysis staff is taking in analyzing the many aspects of this project. We also urge the team to consider electric vehicle charging for employees, the public, and fleet usage and to design the system so that EV charging could be part of the project, or added on at a later time in a cost-effective manner. We note that there may be opportunities to fund EV chargers through the APCD program, SCE's Charge Ready 2 program, which is expected to be approved soon, or through the CALeVIP program in 2021 or 2022.

We applaud these steps the City of Goleta is making toward your 100% renewable energy goal, and urge the City to move forward with this project.

Sincerely,

Michael Chiacos



Michael Chiacos { he / him }  
Director of Energy and Climate Programs  
[Community Environmental Council](#)  
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*CEC advances rapid and equitable solutions to the climate crisis. See our [impact report](#) to learn how we are serving California's Central Coast.*  
*CEC (por sus siglas en inglés) propone soluciones rápidas y equitativas a la crisis climática. Vea nuestro [informe de impacto](#) para saber cómo estamos sirviendo a la Costa Central de California.*

**From:** [Katie Davis](#)  
**To:** [City Clerk Group](#)  
**Cc:** [Paula Perotte](#); [Kyle Richards](#); [Stuart Kasdin](#); [James Kyriaco](#); [Roger Aceves](#)  
**Subject:** 8/18/20 City Council Meeting, Agenda Item D1 - Please read into the public record  
**Date:** Tuesday, August 18, 2020 2:39:00 PM

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RE: Agenda Item D.1 City Hall Solar and Energy Storage Feasibility Assessment

**Please read these comments into the record. Thank you!**

Dear Mayor Perotte and City Councilmembers,

On behalf of the Sierra Club, we support pursuing renewable energy at City Hall and thank you for taking action toward the city's goal of 100% renewable energy.

The good news is that all options result in financial savings and are a win-win for taxpayers and the environment, with the PPA options having the highest NPV.

Generating more local renewable energy will help prevent power outages during periods of high demand and decreases our reliance on long-distance transmission. Solar produces power in the afternoon when it is hottest and air conditioning may be increasingly utilized. Adding batteries helps extend that period of benefit into peak evening hours, plus would allow City Hall to continue operating during power outages.

Battery storage is helping our region bring down peak demand and reduce the need for new polluting power plants. Optony should check with Swell Energy which bid into SCE's resilience RFP to see if the City might benefit from that battery storage incentive program.

We encourage the City to move forward with this project, an economic bright spot in difficult economic times.

Please also consider adding EV charging which could benefit city workers, commuters to the office park, Goleta residents, and travelers.

Thank you for your leadership in advancing renewable energy projects.

Regards,

Katie Davis  
Chair, Santa Barbara Sierra Club  
Goleta, CA