Mike Strong

From: Richard Miller <richard.miller@sierraclub.org>
Sent: Thursday, May 16, 2019 5:57 PM
To: Laura Hunter
Cc: Mike Strong; Kyle Rentschler
Subject: Re: Community Choice Energy - feasibility study

How can we help move this forward. I have a meeting with Mayor McNamara on the 29th.

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
858-569-6005

Pronouns: He, him, his

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On Thu, May 16, 2019 at 5:28 PM Laura Hunter <earthlover@sbcglobal.net> wrote:
Great! Will this item be on the agenda soon do you know?
L

Sent from my iPhone

On May 16, 2019, at 5:23 PM, Mike Strong <mstrong@escondido.org> wrote:

We have been in communications with Vista about the upcoming RFP. We will need council to allocate funds to partially the budget necessary to to the study. This action will authorize doing the study in 2019/2020.

Mike

Sent from my iPhone

On May 16, 2019, at 5:10 PM, Richard Miller <richard.miller@sierraclub.org> wrote:

Hi Mike,
I wanted to ask if there is any interest or is there a movement to conducting a feasibility study for the formation of a Community Choice Energy program.
As you are aware, almost all of the cities in the county and the county itself have either completed or are moving to have feasibility studies done. Both the cities of San Marcos and Vista have indicated that they are interested in looking at the formation of a CCE as part of their CAP updates. The city of Vista has already decided to do a feasibility study. There is a great opportunity for the cities of Escondido, San Marcos and Vista to do a joint feasibility study that would cut the cost each would have to pay. I also understand that the Oceanside City Council is interested in exploring a CCE with the cities along the 78: Vista, San Marcos and Escondido.

Richard Miller  
Chapter Director

Sierra Club San Diego  
8304 Clairemont Mesa Blvd, Ste 101  
San Diego, CA 92111-1315  
858-569-6005

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Thank you.

Richard Miller
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On Wed, Jul 10, 2019 at 3:41 PM Mike Strong <mstrong@escondido.org> wrote:

Hi there. This item is up for consideration on July 17. The staff report should be available soon.

Mike Strong
Assistant Planning Director
City of Escondido
(760) 839-4556
mstrong@escondido.org
From: Richard Miller <richard.miller@sierraclub.org>
Sent: Thursday, May 16, 2019 5:10 PM
To: Mike Strong <mstrong@escondido.org>
Cc: Laura Hunter <earthlover@sbcglobal.net>; Kyle Rentschler <kyle.rentschler@sierraclub.org>
Subject: Community Choice Energy - feasibility study

Hi Mike,

I wanted to ask if there is any interest or is there a movement to conducting a feasibility study for the formation of a Community Choice Energy program.

As you are aware, almost all of the cities in the county and the county itself have either completed or are moving to have feasibility studies done. Both the cities of San Marcos and Vista have indicated that they are interested in looking at the formation of a CCE as part of their CAP updates.

The city of Vista has already decided to do a feasibility study.

There is a great opportunity for the cities of Escondido, San Marcos and Vista to do a joint feasibility study that would cut the cost each would have to pay.

I also understand that the Oceanside City Council is interested in exploring a CCE with the cities along the 78: Vista, San Marcos and Escondido.

Richard Miller
Chapter Director

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California opens $1B in efficiency funding to electrification

(Credit: Wikimedia)

By
Robert Walton
Published
Aug. 2, 2019

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Dive Brief:
• California regulators on Thursday updated a decades-old energy policy to allow the state's $1 billion annual budget for energy efficiency to be directed towards building electrification efforts, giving a boost to the state's move away from natural gas.
• The California Public Utilities Commission (CPUC) voted unanimously to alter the "three-prong test" that was originally adopted in the early 1990s to avoid encouraging programs that substitute electricity for natural gas. Efficiency advocates called the rule "an incredibly obscure piece of energy policy."
• California's greenhouse gas goals will require abandoning fossil fuels entirely, say many climate advocates. But the change had opponents, including Southern California Gas (SoCal Gas). The nation's largest gas distribution company said the new rules will "remove or reduce ratepayer protections" and obscure the real cost of some efficiency efforts.

Dive Insight:

Efficiency advocates say the CPUC vote was a major shift in the state's efforts to achieve carbon neutrality.

The change "unlocks an amount of funding that has the potential to really transform the marketplace for energy efficient appliances," Sierra Club Regional Campaign Manager Evan Gillespie told Utility Dive. "There are at least 30 years of policy and regulations that have been built out to prefer gas. ... For building electrification to succeed, it has to cut through an enormous amount of regulatory bias that disadvantages heat pumps and other appliances."

Natural Resources Defense Council (NRDC) Senior Scientist Merrian Borgeson said CPUC's decision gives the state a "clear path to roll out new programs" that include efficient electric heating technologies largely powered by wind and solar.

"At its core, the decision clarifies how to demonstrate that a measure saves energy and reduces emissions," Borgeson explained in a blog posted shortly after the PUC vote. "It also levels the playing field for all efficiency opportunities to qualify for funding by allowing fuel substitution to adhere to the same cost effectiveness requirements as other efficiency opportunities."

The decision designates the "baseline" for energy and emissions savings comparisons, specifies that carbon emissions are the measure of environmental impact, and updates how energy savings from fuel sources are determined.

NRDC would have liked to see the changes go further, however. Borgeson said the three-prong test changes still do not allow funding for switching away from unregulated fuels such as propane and wood. That leaves out "a group of often rural and lower-income customers even though they pay into the electric efficiency funds," she wrote.

But the decision does indicate the issues will be addressed in the CPUC's proceeding on building decarbonization, and Borgeson said some commissioners have already indicated their support.

While advocates say the decision will ultimately provide economic benefits, a group of "concerned energy users and providers" from Central and Southern California, the day before the PUC vote, warned of the impacts on a range of consumers.

"This regulation will limit consumer choice of energy options and would misallocate utility ratepayer funds to measures that are not cost-effective," the group wrote.
Similarly, SoCal Gas told regulators the decision "has the potential to remove or reduce ratepayer protections by masking the cost or inflating the benefit of new [energy efficiency] technology, encourage fuel wars between gas and electric, and impact energy affordability and grid reliability."

Sierra Club's Gillespie said California has to quit burning natural gas if it wants to meet its climate goals.

"This is a massive step in the right direction," he said. The PUC's decision "changes an incredibly obscure piece of energy policy. ... The state is quickly recognizing there is no pathway to meet its climate goals without widespread electrification."

--

ReplyReply allForward

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
858-569-6005

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Hi Mike,
I’m sure you saw these but here are some articles related to our climate plan.

From the LA Times or not (Business section) about the electric v. gas effort. Pretty timely and interesting. Also aligns strongly with the Sierra Club campaign to electrify all new construction. (PS I agree with the chef—induction is WAY better (and healthier) than gas! 😊)

Also, SDUT this report from Scripps researchers supports the phase out of fossil fuels and makes the case really well

FYI
Laura
Mike Strong

From: Richard Miller <richard.miller@sierraclub.org>
Sent: Monday, July 22, 2019 9:17 AM
To: Mike Strong

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Not sure if you get these notices, so thought I would pass along.

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
858-569-6005

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---------- Forwarded message ----------
From: <mistib@comcast.net>
Date: Tue, Jul 16, 2019 at 12:22 PM
Subject: 2019 New Construction Reach Codes Cost-effectiveness Studies - Nonresidential Final Report
To: <mistib@comcast.net>

California Reach Codes Stakeholders-

The IOU Codes and Standards Reach Codes Program is pleased to notify you that we have posted the final version of the 2019 Nonresidential New Construction Cost-effectiveness Report on the LocalEnergyCodes.com web site. We are wrapping up a couple details on the Residential New Construction report and expect to post it within the next two days.
The reports document the cost-effectiveness of requiring residential new construction and nonresidential new construction projects to exceed the minimum state requirements of the 2019 Title 24, Part 6 (Building Energy Efficiency Standards). The 2019 Local Energy Ordinances page also contains a Summary of Reach Codes Opportunities and Options and an overview of the Reach Codes process.

The Reach Codes team is grateful for the recommendations, feedback and reviews we’ve received from the stakeholders as we developed the reports! Your recommendations have improved the products and we look forward to continuing our work with you as we develop new studies targeting other energy-savings opportunities, including new mid-rise multifamily buildings and retrofits in existing buildings.

Please send comments, questions, requests or recommendations to the LocalEnergyCodes.com contact email at info@localenergycodes.com.

Regards-

Misti Bruceri

(for LocalEnergyCodes.com)
ATTACHMENT 2

Mike Strong

From: Richard Miller <richard.miller@sierraclub.org>
Sent: Monday, July 22, 2019 10:32 AM
To: Mike Strong
Subject: [EXT] Fwd: [CA-BD] Zero Carbon Conference Schedule

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.

If you are interested any any part of the conference, you can join via Zoom for free.

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
858-569-6005

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-------- Forwarded message --------
From: Sean Armstrong <seanarmstrongpm@gmail.com>
Date: Sun, Jul 21, 2019 at 12:26 AM
Subject: [CA-BD] Zero Carbon Conference Schedule
To: CA Building Decarbonization <ca-building-decarbonization@googlegroups.com>
Cc: Micah Lang <Micah.Lang@vancouver.ca>, 100% Clean Energy <100-PERCENT-CLEAN-ENERGY@lists.sierraclub.org>

Hey Team!

Below and attached is the schedule for this Thursday and Friday's Zero Carbon Retreat. It's free to join online with Zoom.

We're going to dig into Berkeley's success banning gas, how to build Zero Carbon in the Northeast, the design of central hot water heat pumps, the use of skinny pipes, upcoming decarb laws and codes, battery storage and the cleaning grid, and so much more!

Please share the flyer widely--I'd love for people to get access to this advanced technical conference! :)

Warm regards,
Sean
You are invited to Redwood Energy’s

Zero Carbon Retreat

July 25th and 26th in Downtown Arcata, Moonstone Beach and hosted live online

Dedicated to a Zero Carbon Society
25 deep dives from industry leaders on zero-carbon design strategies, decarbonization, case studies and more!

Speaker Schedule is below, all times are Pacific Time (PT)

**Thursday, July 25, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Alina Henry</td>
<td>A Vision for Electrification Retreat</td>
</tr>
<tr>
<td>9:30</td>
<td>Dori Querena</td>
<td>Advanced Plumbing Design at Calitcam Paso</td>
</tr>
<tr>
<td>10:00</td>
<td>Emily Egner &amp; Sue Green</td>
<td>Pressure Drop Field Results for Modern Plumbing Pipe and Fixtures</td>
</tr>
<tr>
<td>11:30</td>
<td>James Johnson</td>
<td>How to Model Nonresidential Multifamily HVAC</td>
</tr>
<tr>
<td>11:45</td>
<td>Emma Moench</td>
<td>Central Heat Plant Field Results From the Northeast</td>
</tr>
<tr>
<td>12:30</td>
<td>Michael Fink</td>
<td>Carbon Impacts of Solar and Grid-Scale Batteries in the Northeast</td>
</tr>
<tr>
<td>1:30</td>
<td>Sarah Golden</td>
<td>Zero Carbon Industrial - Advances in Construction and Operations</td>
</tr>
<tr>
<td>2:00</td>
<td>Tim McDonnell</td>
<td>Case Studies From Multifamily Passive House in the Northeast</td>
</tr>
<tr>
<td>2:00</td>
<td>John Toomey</td>
<td>Home Resiliency - Best Practices, with Bathrooms in California</td>
</tr>
<tr>
<td>2:30</td>
<td>Ted Titman</td>
<td>All-Electric Buildings Case Studies in California</td>
</tr>
<tr>
<td>3:00</td>
<td>Dafna Zilbman</td>
<td>Approaching the San Sore of Carbon-Free Homes</td>
</tr>
<tr>
<td>3:30</td>
<td>Channing White</td>
<td>Showcasing the Benefits of Zero Carbon</td>
</tr>
<tr>
<td>4:00</td>
<td>Ralph Ochoa</td>
<td>The Grid: Optimal Initiative</td>
</tr>
<tr>
<td>4:15</td>
<td>Gwenn Howlett</td>
<td>NEAR</td>
</tr>
<tr>
<td>4:45</td>
<td>Clay Johnson</td>
<td>The Design of a Zero Carbon Home for Calitcam Compass McMillion</td>
</tr>
</tbody>
</table>

**Friday, July 26, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Shyanne Drum</td>
<td>The Science of Saving Central Heating with NEXT PlugJ</td>
</tr>
<tr>
<td>9:30</td>
<td>Kate Sommers</td>
<td>Delivering the Market Rate Renewal Multi-family Project</td>
</tr>
<tr>
<td>10:00</td>
<td>Samra Allan</td>
<td>Case Studies from SEAT Rev, Los Angeles</td>
</tr>
<tr>
<td>10:45</td>
<td>Jennifer Frazard</td>
<td>2011 Net-Zero Multi-family Case Development</td>
</tr>
<tr>
<td>11:15</td>
<td>Ceci Bart</td>
<td>How does Zero Carbon MI Payback?</td>
</tr>
<tr>
<td>11:45</td>
<td>Miranda Campbell</td>
<td>Advanced Zero Carbon RETs Innovations in the Netherlands</td>
</tr>
<tr>
<td>1:45</td>
<td>Sarah Mohlin</td>
<td>Transportation and Building Electrical Parking in Berkeley</td>
</tr>
<tr>
<td>1:50</td>
<td>Carl Ream</td>
<td>The Legal Translation of the Bentley Building San Ben</td>
</tr>
<tr>
<td>2:15</td>
<td>Tony Holder</td>
<td>San Francisco: Zero Carbon Impact Costs and Future Climate</td>
</tr>
<tr>
<td>2:45</td>
<td>Martin Hunter</td>
<td>Social Justice in the Solar Industry and Decarbonization</td>
</tr>
<tr>
<td>3:30</td>
<td>Antonio Beltrane</td>
<td>Policy Progress at the FRC, CA 2010 Legislation and Federal</td>
</tr>
<tr>
<td>3:45</td>
<td>Paul Rood</td>
<td>Progress of the Building Decarbonation Bill</td>
</tr>
<tr>
<td>4:00</td>
<td>Simona Mishkin</td>
<td>NEAR</td>
</tr>
<tr>
<td>4:30</td>
<td>Laura Gottin</td>
<td>Case Study: From Pro-35 to Regional Electrification with Offshore Wind</td>
</tr>
</tbody>
</table>

For the schedule and more speaker information visit: [https://www.zerenretreat.com/](https://www.zerenretreat.com/)

Join the conference live at:
- Zoom: [https://zoom.us/j/480042967](https://zoom.us/j/480042967)
- YouTube: [https://www.youtube.com/channel/UCKiFFeBmmCLFNCAS561j0Q](https://www.youtube.com/channel/UCKiFFeBmmCLFNCAS561j0Q)

You received this message because you are subscribed to the Google Groups "CA Building Decarbonization" group.

To unsubscribe from this group and stop receiving emails from it, send an email to [ca-building-decarbonization-unsubscribe@googlegroups.com](mailto:ca-building-decarbonization-unsubscribe@googlegroups.com).

To view this discussion on the web visit [https://groups.google.com/d/msgid/ca-building-decarbonization/CAMr-5Nzjia%3DpAz%3D8Cbo0rhS%2BUokhCfiYVQ5Q71YQ0rfjdbW%3DWW%40mail.gmail.com](https://groups.google.com/d/msgid/ca-building-decarbonization/CAMr-5Nzjia%3DpAz%3D8Cbo0rhS%2BUokhCfiYVQ5Q71YQ0rfjdbW%3DWW%40mail.gmail.com).
Hi Mr. Strong,
I heard an interesting tid-bit on the radio this morning during the commute. The California Energy Commission reported that there is $90 million available for electric buses. Not sure if this is for replacement and/or new service. As I mentioned last night, transportation inequality is one of the issues unserved communities experience. I would like to see if there is a possibility of establishing a city electric bus system that feeds into the NCTD system. Especially if funding is available.
Thank you

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
858-569-6005

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Mike Strong

From: Richard Miller <richard.miller@sierraclub.org>
Sent: Tuesday, May 28, 2019 9:27 AM
To: Mike Strong

FYI, I thought you might be interested in this.

Richard Miller
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---------- Forwarded message ----------
From: Panama Bartholomy <panamabarholomy@gmail.com>
Date: Fri, May 24, 2019 at 2:49 PM
To: CA Building Decarbonization <ca-building-decarbonization@googlegroups.com>

View this email in your browser
Building Decarbonization Coalition Webinar Series Presents:

Residential Building Electrification Cost-effectiveness

With Amber Mahone of Energy and Environmental Economics, Inc. (E3)

June 4, 2019
The Building Decarbonization Coalition, as part of its on-going educational webinar series, is excited to welcome Amber Mahone to present the results of E3’s new study, “Residential Building Electrification in California,” which provides important insight into the cost-effectiveness of building electrification for households. This study examines costs, savings, and emissions for electric and gas appliances in six different home types in geographical areas (six climate zones) covering over half the state’s population. Unlike prior studies, it closely evaluates the consumer cost perspective on building electrification and quantifies GHG emissions savings by home type.

E3 found that building electrification would deliver lifecycle cost savings for most home types in the study area. For homes with air conditioning – about 80 percent of the total – the economics are particularly strong. All new construction homes and the majority (84 percent) of existing single-family homes with A/C would save by going all-electric. For homes without air conditioning the story is more mixed, as these homes wouldn’t realize the capital cost savings of replacing two appliances (a gas furnace and an air conditioner) with one (a heat pump).

E3 also found that electrification would significantly reduce greenhouse gas emissions from homes – starting today. For example, a Sacramento home built in the 1990s would immediately cut its GHG emissions nearly in half by switching to all-electric appliances. By 2050, with a significantly cleaner electric grid, the GHG savings would grow to over 80 percent – more, if California achieves carbon neutrality.

The study was commissioned by Southern California Edison (SCE), Sacramento Municipal Utility District (SMUD), and the Los Angeles Department of Water and Power (LADWP). Frontier Energy, Point Energy Innovations, and AECOM contributed to the study.
Please register in advance for this webinar to get call-in
details:

http://bit.ly/2VNsA8S

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Visit this group at https://groups.google.com/group/ca-building-decarbonization.
To view this discussion on the web visit https://groups.google.com/d/msgid/ca-building-decarbonization/CAD18Y8Hy6nnZykXQrYFjsGASHtFfiVmAM4rme-odX1ng5B6Qw%40mail.gmail.com.
For more options, visit https://groups.google.com/d/optout.
Hi Mike,

I hope all is well with you and your family. I wanted to touch base with you about the climate plan and our community advisory group. In addition to the comments you received from Richard Miller, our Subcommittee has been working on our comments and ideas and, once the stay home order was issued, we continued on video chat. We will soon be ready to share our presentation with the full committee and you. We are preparing to do it on WebEx or Zoom. I asked Jan Seeley about the committees and she said that she understood that all work had stopped until further notice. We were hoping to call a full Envl ComAdv meeting for April 6th virtually. Would that work?

What other advice do you have for us?

I supposed we could submit our information in writing but we have prepared a power point. Please let me know how you think we should proceed with the committee. As you can imagine, we think forward motion on the climate plan is critical path once this thing (hopefully) abates a bit.

Thanks

Laura Hunter
Good morning Mike and Zack!

On behalf of the The Escondido Community Advisory Group Sub-Committee on Effective and Equitable Climate Action Measures (ECAP), we request an informational agenda item be placed on the June 10th City Council agenda.

**Agenda item title:** Climate Change Impacts to San Diego County and Sub-Committee for Environment and Climate Action: ECAP summary recommendations

**Speakers**
Dr. Dan Cayan, Research Climatologist, UCSD Scripps Institution of Oceanography and Lead Author, 2018 CA 4th Climate Change Assessment: San Diego Regional Report

Escondido Community Advisory Group Sub-Committee members

**Background**
The Sub-Committee is a sub-group formed under the City-endorsed Community Advisory Group (CAG) Committee for Environment and Climate Action. We have been working since December, 2019 to assess and provide input and feedback to the City Planning Department as staff work towards updating the Escondido Climate Action Plan. Our intent in this presentation is to provide a brief overview of the science that drives our recommendations and an overview of our recommendations to City staff to solicit Council feedback and discussion.

**Materials:** We will submit two ppt presentations in support of our talk.
Mike Strong

From: Kate Barba <katharine.barba@gmail.com>
Sent: Wednesday, May 27, 2020 10:19 AM
To: Mike Strong; Zachary Beck
Cc: Paul McNamara; Consuelo Martinez; Olga Diaz; Michael Morasco
Subject: [EXT] Climate and Escondido Subcommittee recommendations
Attachments: ECAP Request.CouncilAgenda.item.5.27.2020.pdf

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Good morning Mike and Zack!

On behalf of the The Escondido Community Advisory Group Sub-Committee on Effective and Equitable Climate Action Measures (ECAP), we request an informational agenda item be placed on the June 10th City Council agenda. (here and attached)

Agenda item title: Climate Change Impacts to San Diego County and Sub-Committee for Environment and Climate Action: ECAP summary recommendations

Speakers
Dr. Dan Cayan, Research Climatologist, UCSD Scripps Institution of Oceanography and Lead Author, 2018 CA 4th Climate Change Assessment: San Diego Regional Report

Escondido Community Advisory Group Sub-Committee members

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Materials: We will submit two ppt presentations in support of our talk.
Hi Mike,
I was wondering if you received the letter, recommendations and power point that the Community Advisory Group Sub-Committee on the ECAP sent to you.
Have you had the opportunity to look at it?

I have also heard that Bill Martin is retiring and that you will be taking his position. If so, congratulations.

Richard Miller
Chapter Director

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(w) 858-569-6005
(c) 619-248-5419

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Escondido Climate Action Plan

Escondido Community Advisory Group Sub-Committee on Effective & Equitable Climate Measures

Summary of “ECAP” Recommendations
April 2020
Escondido Community Advisory Group Activities 2020

<table>
<thead>
<tr>
<th>Meetings</th>
<th>Work Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Advisory Group created Subcommittees (Reduced Single-use plastics/Zero Waste; Climate Plan measures)</td>
<td>Recording of April 6 full Advisory Group presentation.</td>
</tr>
<tr>
<td>Participated in in-person meetings (City and Roundtable Pizza)</td>
<td>Supplemental Report of rationale and evidence supporting recommendations.</td>
</tr>
<tr>
<td>Held 11 Subcommittee meetings by Zoom (March- May)</td>
<td>Full power point presentation</td>
</tr>
<tr>
<td>Convened full Community Advisory Group meeting April 6 (22 attendees)</td>
<td>Summary power points</td>
</tr>
<tr>
<td>Met with staff and elected officials to receive input</td>
<td></td>
</tr>
</tbody>
</table>

ATTACHMENT 2
Integrating Social Equity into the Escondido Climate Action Plan
Justice and Equity

Environmental justice

Environmental justice recognizes that certain communities - generally lower-income & communities of color - have historically borne the brunt of pollution exposure, have traditionally been left out of important decision-making processes, and ultimately will be impacted first (& worst) by climate change.

Social Equity

Equitable action is an EFFECTIVE approach for meeting the needs of under-served communities and vulnerable residents through policies and programs that reduce disparities while fostering places that are healthy and vibrant.
EQUALITY  EQUITY
SOCIAL EQUITY IN CAP IMPLEMENTATION

Equitable CAP implementation addresses patterns of underinvestment, centers communities of concern, and proactively plans for long term health, economic opportunity, and quality of life. Along with his colleagues, Dr. Manuel Pastor, Professor of Sociology and American Studies & Ethnicity at the University of Southern California, defines the following dimensions of equitable implementation:

‘PAST | Prioritizes investments that will close racialized gaps, especially by wealth, environmental burden, and existing amenities in a way that will improve work and economic and health opportunities for underinvested communities.

PRESENT | Involves partnership throughout the process that centers the perspectives of vulnerable communities, that supports authentic community-based participation and power, and that results in shared decision-making, while also strengthening the health and well-being of the entire region.

FUTURE | Takes into account the future by leveraging funding for long-term community health and organizational capacity, mitigates future harm that may result for new investments in a place, and incorporates metrics and evaluation to promote adaptable and effective implementation.”

Path to Achieve Social Equity in Priority Investment Neighborhoods (PINs)

Designate PINs: areas where location, pollution, climate risks combine with inherent population characteristics and historical underinvestment to pose higher risks to residents.

Improve access and participation through education and outreach.

Designate highest priority for funding and action on key enforceable measures.
Cal EnviroScreen Results - Escondido
Proposed
Priority
Investment
Neighborhoods
ECAP Measures for Priority Investment Neighborhoods (PINS)

<table>
<thead>
<tr>
<th>GOALS:</th>
<th>ACTIONS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education &amp; Outreach</td>
<td>Formulated ECAP Working Group or Climate Committee</td>
</tr>
<tr>
<td></td>
<td>Regular Climate Workshops and Leadership Training</td>
</tr>
<tr>
<td>Urban Forestry and Shaded Transportation Routes</td>
<td>Improvements of walkways &amp; public transportation routes, with</td>
</tr>
<tr>
<td></td>
<td>increased tree shading, and Urban Forest Master Plan</td>
</tr>
<tr>
<td>Home Solar Energy and Retrofit Program</td>
<td>Expand the current weatherization program for mobile homes to include homes in priority investment neighborhoods to provide weatherization &amp; energy efficiency upgrades for low &amp; moderate income households.</td>
</tr>
<tr>
<td>Promote Green Jobs</td>
<td>Inclusive, local hire requirements in CCE</td>
</tr>
<tr>
<td>Green Spaces and Riparian Restoration</td>
<td>Restore natural areas to improve natural carbon capture &amp; pollution reduction, to beautify &amp; cool neighborhoods, &amp; to create a welcoming natural space for residents to enjoy</td>
</tr>
<tr>
<td>Heat Island and Cooling Centers</td>
<td>Identify at-risk areas that lack in-home cooling systems &amp; help establish cooling centers.</td>
</tr>
</tbody>
</table>
The Climate & Health Benefits of Trees!!

A single mature tree **sequesters 40-80lbs of carbon** per year. For the city of Escondido’s ~52,000 trees, that’s 1000-2000 tons of carbon annually.

The cooling effect of a single healthy tree equates to 10 room-sized AC units.

Trees allow for soil & **stormwater retention** - 1000g/y per mature tree.

Trees are **critical for wildlife** habitat to thrive.

Trees **reduce heat island effects** by as much as 10-15 degrees F via the shading & “evapo-transpiration” they provide.

Trees **absorb** additional GHG’s & **air pollutants**.

Trees **improve well-being**, & have been also been linked to **crime reduction**.
The Economic Benefit$ of Tree$!!

Appraised value of a single mature tree is $1,000 - $10,000+

Trees situated around buildings reduce energy costs by ~30%

Mature trees increase property values by 10%

Increased property value equates to higher city tax revenue

Trees stimulate economic development & attract new business. More business equates to increased sales tax revenue

Properties with trees are more valuable to sell/rent
Top 10 Species / Estimated Value

<table>
<thead>
<tr>
<th>Botanical</th>
<th>Common</th>
<th>Total</th>
<th>Pct.</th>
<th>Estimated Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syagrus romanzoffianum</td>
<td>QUEEN PALM</td>
<td>5,177</td>
<td>10.44%</td>
<td>$8,698,620.00</td>
</tr>
<tr>
<td>Quercus agrifolia</td>
<td>COAST LIVE OAK</td>
<td>4,064</td>
<td>8.20%</td>
<td>$24,210,650.00</td>
</tr>
<tr>
<td>Washingtonia robusta</td>
<td>MEXICAN FAN PALM</td>
<td>2,461</td>
<td>4.96%</td>
<td>$9,533,400.00</td>
</tr>
<tr>
<td>Platanus x hispanica</td>
<td>LONDON PLANE</td>
<td>2,137</td>
<td>4.31%</td>
<td>$4,218,040.00</td>
</tr>
<tr>
<td>Liquidambar styraciflua</td>
<td>AMERICAN SWEETGUM</td>
<td>2,092</td>
<td>4.22%</td>
<td>$5,205,460.00</td>
</tr>
<tr>
<td>Lagerstroemia indica</td>
<td>CRAPE MYRTLE</td>
<td>1,689</td>
<td>3.41%</td>
<td>$1,303,060.00</td>
</tr>
<tr>
<td>Eucalyptus camaldulensis</td>
<td>RED GUM</td>
<td>1,640</td>
<td>3.31%</td>
<td>$9,743,170.00</td>
</tr>
<tr>
<td>Jacaranda mimosifolia</td>
<td>JACARANDA</td>
<td>1,246</td>
<td>2.51%</td>
<td>$1,940,970.00</td>
</tr>
<tr>
<td>Cupaniopsis anacardioides</td>
<td>CARROTWOOD</td>
<td>1,228</td>
<td>2.48%</td>
<td>$2,464,520.00</td>
</tr>
<tr>
<td>Lophostemon confertus</td>
<td>BRISBANE BOX</td>
<td>1,226</td>
<td>2.47%</td>
<td>$2,758,000.00</td>
</tr>
<tr>
<td>Other</td>
<td>OTHER</td>
<td>26,623</td>
<td>53.89%</td>
<td>$75,929,420.00</td>
</tr>
<tr>
<td>Total Trees</td>
<td></td>
<td>49,583</td>
<td>100%</td>
<td>$150,005,310.00</td>
</tr>
</tbody>
</table>
Measures to Increase & Protect Urban/Suburban Tree Canopy

Create a City Forestry Team led by certified arborists. Assess current canopy coverage & identify areas of deficiency in business & residential sectors.

Develop a master plan to fund, maintain, & improve our urban forest. Emphasize use of water wise & drought resistant native trees & shrubbery.

Require street trees to be planted in new commercial developments.

Adopt ordinances to require tree preservation, w/ enhanced inspection, enforcement, & maintenance capabilities.

Replacement and planting program in deficient areas & Priority Investment Neighborhoods.

Pursue an aggressive timeline that begins planting in 2021 and targets 15-20% total city canopy coverage by 2035.
Urban Forest Support Initiatives

Pursue 2021 funding from CALFIRE Grants for canopy assessment and initial investment.

Pursue the funding of tree planting projects via The Escondido Community Foundation and Community Development Block Grants

Continued participation (expansion?) in Cool Parks, where recently volunteers planted 300 trees in Kit Carson Park and other local parks

Provide cost-sharing for planting of shade trees. Encourage incentive programs with local utilities/SDG&E

Increased City of Escondido & Community collaboration w/ Arbor Day Foundation
2019/2020 CAL FIRE Urban and Community Forestry Grant Workshops

CAL FIRE will hold eight workshops and a webinar about the 2019 2020 Urban and Community Forestry Grant Programs funded by California Climate Investments (CCII). Each workshop will cover grant opportunities for the following Urban and Community Forestry project types:

- Urban Forest Expansion and Improvement
- Urban Forest Management Activities
- Urban Wood and Biomass Utilization

It is strongly suggested that attendees familiarize themselves with the Grant Guidelines prior to the workshops so that the question and answer portion of the workshops will be of maximum value to those attending. For more information about the grant program, access to the Grant Guidelines, and to sign up for the grants list server visit:

https://www.fire.ca.gov/grants/urban-and-community-forestry-grant-programs/

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 16</td>
<td>6PM-8:30PM</td>
<td>South San Francisco - Council Chambers, Municipal Services Building, 33 Arroyo Drive, South San Francisco, CA 94080</td>
</tr>
<tr>
<td>Oct 16</td>
<td>10AM-12 Noon</td>
<td>Los Angeles - The River Center, Mountains Recreation and Conservation Authority, Los Feliz, 570 W Avenue 26, Los Angeles, CA 90065</td>
</tr>
<tr>
<td>Oct 21</td>
<td>10AM-12 Noon</td>
<td>Bakersfield - Bakersfield City School District, Maintenance Yard, 1501 Feliz Drive, Bakersfield, CA 93307</td>
</tr>
<tr>
<td>Oct 21</td>
<td>1PM-3PM</td>
<td>San Diego - Balboa Park, War Memorial Building, 3325 7th Drive, San Diego, CA 92101</td>
</tr>
</tbody>
</table>

CAL FIRE GRANTS

https://www.fire.ca.gov/grants/urban-and-community-forestry-grant-programs/

<table>
<thead>
<tr>
<th>CAL FIRE Grant ID</th>
<th>Appraoches</th>
<th>Project Title</th>
<th>Brief Description: Location</th>
<th>Grant Award Amount</th>
<th>DAC SBID</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-0517-01-001-001</td>
<td>City of Tenessee</td>
<td>Tennessee Urban Forest Management Plan and Strategy</td>
<td>The City of Tenessee will develop an Urban Forest Management Plan and Strategy. The plan will address urban forest planning and landscape architecture.</td>
<td>$321,936.08</td>
<td>DAC</td>
</tr>
<tr>
<td>B-0517-01-001-001</td>
<td>City of Danas</td>
<td>Danas Urban Forest Management Plan and Tree Planting</td>
<td>The City of Danas will develop an Urban Forest Management Plan and Tree Planting. The plan will address urban forest planning and tree planting.</td>
<td>$514,116.03</td>
<td>DAC</td>
</tr>
<tr>
<td>E-0517-01-001-001</td>
<td>City of Rancho</td>
<td>Rancho Cucamonga Urban Forest Management Plan and Tree Planting</td>
<td>The City of Rancho will develop an Urban Forest Management Plan and Tree Planting. The plan will address urban forest planning and tree planting.</td>
<td>$361,508.00</td>
<td>DAC</td>
</tr>
<tr>
<td>E-0517-01-001-001</td>
<td>City of Palm Springs</td>
<td>Palm Springs Urban Forest Management Plan and Tree Planting</td>
<td>The City of Palm Springs will develop an Urban Forest Management Plan and Tree Planting. The plan will address urban forest planning and tree planting.</td>
<td>$607,008.00</td>
<td>DAC</td>
</tr>
<tr>
<td>E-0517-01-001-001</td>
<td>City of San Diego</td>
<td>San Diego Urban Forest Management Plan and Tree Planting</td>
<td>The City of San Diego will develop an Urban Forest Management Plan and Tree Planting. The plan will address urban forest planning and tree planting.</td>
<td>$381,208.00</td>
<td>DAC</td>
</tr>
</tbody>
</table>
LAND USE MEASURES

Enhancing carbon sequestration and carbon emission reduction
Riparian Restoration

A 1 km restoration site could contain ~4,419 tons of accrued carbon in soil & woody vegetation, which is equivalent to the amount of carbon released from:

- 1,478 homes/year
- 3,411 passenger cars/year

(US EPA, 2015)
Urban Creeks

LOCAL PROJECTS

- Reidy Creek ($500k, CDFW + City)
- Spruce Street ($5 mil? SANDAG&..)
- Escondido Creek Bike Trail ($8.5 mil CPD)
- Encinitas Cottonwood Creek ($4 mil)

- Potential Sites
  - Reidy Creek Golf Course
  - Escondido Creek
  - Harmony Grove
Riparian & Chaparral Habitats Sequester Carbon

Riparian/chaparral ecosystems absorb large amounts of atmospheric CO2 & store the carbon in their biomass between 0.2 MTCO2e/acre/year and 1 MTCO2e/acre/year.

Chaparral habitat has the largest biomass per acre in Southern California and is our largest natural carbon sink.

Chaparral habitat can adjust to high levels of air pollution; Planting chaparral plants in urban environments could significantly reduce the impact of air pollution.

Chaparral habitats are one of the most resilient & sturdy in Southern California, but also one of the least restored.

With climate change converting many of our currently forested areas, the role our chaparral habitat plays will be more important than ever.
Fire Threat To Chaparral Habitat
Human Threat to Chaparral Habitat
Primary cause of wildfire? Human Activity!

- 84% of U.S. wildfires were caused by human-related activity
- Human activity has tripled the length of the fire season
- Human cause fires have dominated an area seven times greater than lightning fires
- 95% of fires the California Department of Forestry and Fire Protection responds to are caused by humans
- Regional policy efforts to mitigate wildfire-related hazards would benefit from reducing the human expansion of the fire niche
- The Ranch fire, the largest in state history at 410,000 acres, ignited by a pounded metal stake into the ground with a hammer to plug a yellow jacket nest.
- CalFire responds to 1,600 fires each year started by people using equipment improperly,
Where will people live?

- Fragmentation of Chaparral habitat, like urban sprawl, increases the likelihood of fires
- Land use planning needs to set aside continuous habitat instead of fragmented pieces for fire prevention and wildlife corridors
- Urban sprawl should be replaced with strategic urban density incorporated with vibrant green spaces

**Climate Benefits:**
- 20-40% less driving
- Emits 13 MMt carbon/home/yr less than suburban units
Increase Carbon Farming

 ➤ Stabilize, sequester carbon and reduce emissions

 ➤ Compost application on cropland and rangeland has high GHG removal potential of 1.5 – 4 MTCO2e/acre/year;

 ➤ Co-benefits of plant growth, increased water holding capacity
Degenerative*  

\[ \text{CO}_2 \quad \text{H}_2\text{O} \]

Bare Soil

*In general, especially on large land surfaces, this practice leads to degeneration of soil health.

Regenerative*  

\[ \text{CO}_2 \quad \text{H}_2\text{O} \]

Cover Crops

*In concert with other regenerative practices can help rebuild healthy soil.
Increase Urban Agriculture

Promote existing and establish new community gardens in partnership with groups in Escondido to increase learning opportunities, social networks and food sustainability.

Benefits include:

- organic and local produce
- significantly improved air quality
- physical space for community building and learning opportunities

SHORTEN YOUR FOOD CHAIN

HOME GARDEN

FARMER'S MARKET

SUPERMARKET

FOOD DELIVERY SERVICE

GROW YOUR OWN: SANDIASEED.COM
Measures to increase carbon sequestration and reduce carbon emissions

- Mitigating fire risk will reduce loss of lives and property with co-benefits of carbon emissions reduction.
- Modeling of future climate conditions to identify at risk areas. Update fire hazard maps to identify areas most susceptible to fire.
- Develop plan with partners to preserve and restore city creeks and riparian ecosystems & chaparral habitat.
- Reduce fire risk by STOPPING development in fire prone zones.
- Increase carbon farming and urban agriculture.
- Replace roadside vegetative clearings to mitigate invasive & flammable species proliferation.
Weatherization Talking Points Grid
Fighting Energy Poverty

- Low-income households, including the elderly, disabled or families with children who can’t afford home energy
- $437 or more in annual utility bill savings year after year at current energy prices
- Energy savings average 35% of consumption for the typical low-income home pre-weatherization consumption
- More household money is made available for other basic necessities, medicine or groceries
- In 2010, weatherized homes nationally will save $2.1 billion for low-income families

Investment in America
- Anticipated that over 650,000 homes will be weatherized during the ARRA period.
- For every $1 invested in the program, Weatherization returns $2.51 to the household and society.
  - $1.80 is returned in reduced energy bills
  - $0.71 is returned to ratepayers, households, and communities through:
    - increased local employment
    - reduced uncollectible utility bills
    - improved housing quality
    - better health and safety
    - reduces heat-related illness and death
    - reduces risk of death from home fires due to utility disconnection

The Economy
- $5 billion in weatherization funds during the ARRA period, as well as $180 million weatherization funds in annual appropriations, cost-effectively invested by DOE in low-income energy efficiency
- Provides direct jobs and indirect employment nationwide
- Insurance policy against future price increases; when a low-income home is weatherized, both its energy bill and fuel consumption are reduced each year for many years to come. In times of energy supply and price problems, weatherization recipients are better able to cope with rising prices.
- Community benefits from energy efficient housing stock and increased economic activity

Weatherization Works
- Reduces residential and power plant emissions of carbon dioxide by 2.65 metric ton year per home
- Over the life of the measures, saves 53 metric tons of CO2 emissions per house
- Weatherization decreases national energy consumption by the equivalent of 24.1 million barrels of oil annually

Climate Change

Sources: ORNL/TM-291
February 2010
Update

Online
Building electrification

Electrification of buildings represents an important opportunity for Escondido to reduce greenhouse gas emissions while providing health, economic, climate, workforce, and safety benefits.

Health
- Burning gas in homes releases dangerous toxins - leading to air pollution levels in many homes cooking with gas that would be illegal if measured outside.
- Children living in a home with a gas stove are 42% more likely to have asthma.

Economic
- Installing gas lines and hookups adds anywhere from $3,000 up to $15,000 in unnecessary construction costs in new buildings.
- Financial savings - between $130 - $540 per year - accrue from building and living in all-electric homes compared to homes that burn gas.

Climate
- Buildings are responsible for more than a quarter of the state’s ghg. Studies show beneficial building electrification can reduce those emissions up to 90 percent by 2050.
- This path of emissions reduction is also the most cost-effective - saving around $20 billion every year by 2050 compared to other scenarios.

Workforce
- Beneficial building electrification can generate more than 100,000 construction and manufacturing jobs annually in California - even after accounting for modest declines in gas industry employment.
- Over the course of 25 years, electrification will create more than 8 times the number of jobs that will be lost in the gas system.
- The quality of the jobs, 3 out of every 5 jobs required to meet building electrification goals would be in “high-road” sectors -

Safety & Resiliency
- Pipeline leaks and explosions are a serious threat to the safety of Californians.
- Gas infrastructure is particularly dangerous in California’s earthquakes and fire-prone areas. Gas is responsible for up to 50% of post-earthquake fire ignitions.

Recommendations for ECAP
1. Incentivize all-electric new construction and update the building code.
2. Incentivize high-efficiency heat pump HVAC, particularly as it pertains to air conditioning.
3. Align energy efficiency goals and savings with GHG savings opportunities.
Community Choice Energy (CCE) is a program that brings local control, freedom of choice, & competition into the electricity marketplace.

How does CCE work?
Community Choice is an agile public-private partnership between the CCE and the utility (SDG&E). The CCE program purchases the power supply. SDG&E continues to deliver the power over their power lines and handle the billing. It is truly consumer choice -- customers may opt-out and return to the utility at any time.
How Do We Pay for Community Choice?

- CCE programs are self-supporting (not government subsidized) via an existing revenue stream (electricity bills).
- The electricity rates consumers pay to a retail electric supplier or an investor-owned utility are bundled and redirected to support the group purchase of electricity through a local CCE program.

What are the benefits of CCE?
- In their near decade of operation in California, CCE programs have been able to provide:
  - Real competition in electricity markets
  - More affordable rates to families and businesses
  - Higher rates of renewable green energy helping reduce GHG emissions and meet local and state climate goals
  - Inclusive local economic development, and good middle-class green energy jobs
  - Equitable clean energy programs to support residents and businesses transition to a 100 percent clean energy future.

We strongly support the city to create or be a part of a CCE program.
Renewable Energy Initiatives

- Adopt Community Choice Energy

- Require ALL new single-family housing to be NetZero and multi-family housing to be solar electric to the maximum extent possible

- Develop energy retrofit program for local Escondido residents

- Solar energy & energy conservation resources/incentives for Priority Investment Neighborhoods

- Pursue resources from the new CA’s “Solar on Multifamily Affordable Housing” (SOMAH) for focus neighborhoods

- Develop funding sources for target area residents for energy efficiency, clean renewables, composting, & zero-emission transportation projects

- Establish a PV installation goal for non-city owned production
Mike Strong

From: Swift, Timothy <TimothyS@phenomenex.com>
Sent: Friday, May 29, 2020 11:42 AM
To: Mike Strong
Cc: Laura Hunter; Matthew Vasilakis; Nathan Serrato; Valeria Esqueda; Richard Miller; Kate Barba
Subject: [EXT] ECAP summary ppt follow up
Attachments: Escondido ComAdvGroup Summary presentation.pdf
Importance: High

**CAUTION**: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.

Mike-

Thanks for the time today! Attached is a copy of the slides we presented today, and will form the basis of our red/yellow-line commentary to the Adaptation piece you shared a couple weeks back, and which we should have fully compiled and ready to send over shortly after our full CAG reconvenes on June 8th.

Have a great weekend,

Tim

---

Timothy Swift
District Sales Manager

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Torrance, CA 90501
Cell: 858.784.1884
Email: TimothyS@phenomenex.com
Website: http://www.phenomenex.com
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Mike Strong

From: Richard Miller <richard.miller@sierraclub.org>
Sent: Wednesday, April 15, 2020 3:30 PM
To: Mike Strong
Subject: [EXT] Fwd: Affordable Housing and Electrification Webinar w/ national expert Sean Armstrong - 4/16 at 10am PT

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.

Thought you might be interested in this.

Richard Miller
Chapter Director

Sierra Club San Diego
8304 Clairemont Mesa Blvd, Ste 101
San Diego, CA 92111-1315
(w) 858-569-6005
(c) 619-248-5419

Pronouns: He, him, his

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Help us continue our good work, [DONATE HERE].

-------- Forwarded message --------
From: Rachel Golden <rachel.golden@sierraclub.org>
Date: Wed, Apr 15, 2020 at 6:05 AM
Subject: Affordable Housing and Electrification Webinar w/ national expert Sean Armstrong - 4/16 at 10am PT
To: National Buildings List <national-buildings-list@sierraclub.org>

Hi all,

The California Building Decarbonization Coalition is hosting a webinar that may interest many of you on April 16th at 10am PT:

**How to Make Your Carbon Positive Affordable Housing Project Revenue Positive**

Building carbon and revenue positive affordable housing? How? Through good design, savvy economics and leveraging systems to pay for each other. Join the BDC with one of the top carbon-positive affordable housing consultants in the country, Sean Armstrong of Redwood Energy. Sean will discuss why affordable housing is better electric, how to make it pay for itself for developers and residents, how design affects capital and operating costs and what the heck the CUAC is! If you work on affordable housing you do not want to miss this webinar or hearing from this national leader on how to take projects on the brink to projects in the black.
Topics may include:
1. Setting utility allowances and rents to reflect 2019 Code-required, tenant-benefitting solar arrays
2. Development cost increases, delays and dangers of gas infrastructure and appliances
3. Title 24 benefits of all-electric design
4. Hot water and HVAC design options

Register now before the other 499 Zoom seats fill up!

Note: I was told this webinar will be relevant to folks outside of California, so please join and spread the word if interested! Also, Carbon Positive is a good thing! Folks use this term to refer to buildings that go beyond carbon neutrality and can actually remove emissions in the atmosphere. Join the webinar to learn more!

--

Rachel Golden (she/her)
Deputy Director, Building Electrification

Sierra Club
2101 Webster, Suite 1300
Oakland, CA 94612
Tel: 415-756-3668
@RachelGolden

Learn more about our new Department of Equity, Inclusion and Justice! Visit sierraclub.org/equity for more on the new name (shorthand “Equity”), our newly adopted vision, shared values, theory of change and a report on our progress so far.

--

You received this message because you are subscribed to the Google Groups "National Buildings List" group. To unsubscribe from this group and stop receiving emails from it, send an email to national-buildings-list+unsubscribe@sierraclub.org.
To post to this group, send email to national-buildings-list@sierraclub.org.
To view this discussion on the web visit https://groups.google.com/a/sierraclub.org/d/msgid/national-buildings-list/CAFKYop2Vav0ituaI%3DRPvAuJni1PA8QQoPvdfJ%2B-BmWsrd6Kurw%40mail.gmail.com.

2
Hi Mike,
Not sure if you get these messages. There are some interesting webinars, including the one tomorrow on building electrification.
In California, residential and commercial buildings are one of the largest sources of carbon emissions for cities and counties, and natural gas accounts for about half of building energy use. Many of the State's local governments are considering options for reducing natural gas emissions in their climate action plans, building codes, general plans to meet State and local emission, decarbonization or zero emission building goals. Approaches range from incentives to lower natural gas use in existing buildings, to incorporating more renewable natural gas supplies, to various types of reach codes or municipal codes focused on encouraging electrification in new construction.

Richard Miller
Chapter Director

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(w) 858-569-6005
(c) 619-248-5419

Pronouns: He, him, his

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Help us continue our good work, DONATE HERE.

-------- Forwarded message --------
From: California Local Energy Codes <info@localenergycodes.com>
Date: Wed, Apr 22, 2020 at 8:57 AM
Subject: Reach Codes News Brief - Apr 2020
To: Richard Miller <richard.miller@sierraclub.org>
Reach Codes News Brief

Seven Additional Reach Code Packages
Approved in April just ahead of
50th Anniversary of Earth Day
The California Energy Commission approved another seven reach code packages for the County of Los Angeles and the cities of San Francisco, Mill Valley, San Rafael, Pacifica, Cupertino, and Saratoga during its business meeting on April 8. This milestone coincides with the 50th anniversary of Earth Day.

First organized by numerous environmental activists, the initial Earth Day in 1970 drew as many as 20 million Americans to participate in peaceful demonstrations, clean-up activities and educational activities. The initial event is credited with increasing public and policy awareness of environmental issues and leading to the passage of such landmark legislation as the Clean Air Act, Clean Water Act and the Endangered Species Act as well as the establishment of the Environmental Protection Agency (EPA).

The theme for this year’s 50th anniversary observance is climate action. In the context of the COVID-19 pandemic, many Earth Day activities and events have migrated from in-person opportunities to digital programs and events. The Earth Day Network hosts an expansive list of activities here. Visit our website for detailed information about adopted reach codes throughout the state.

Upcoming Events

April
April 23: Virtual Office Hours: Local Natural Gas Emission Reduction Options.

May
May 7: Statewide Codes & Standards Stakeholders webinar for 2022 Standards: Multi-family Chapter Restructuring.


June
June 11: BayREN Forum

June 17: CABEC Brown Bag Webinar: Gloomy Ducts? HERS Verified Duct Design

June 1, 9, 17, 25: SEEC Forum: virtual forum with weekly sessions extending from June - November 2020.
Be sure to follow us on Twitter for the latest news and information!

New this month!

Q & A with Danuta Drozdowicz: Understanding the Role of the Energy Commission in Reach Code Implementation

Danuta Drozdowicz is an Energy Specialist in the Efficiency Division at the California Energy Commission (CEC). Her background is in energy efficient construction and building science. Before joining the CEC, she worked as a LEED and green building consultant, first with a Portland, Maine based company, Five Solutions, and then with her own firm, Content Green. Prior to that she worked for the state of Maine, focusing on energy efficient construction, indoor and outdoor air quality, and clean fuel vehicle testing and demonstration projects. Drozdowicz is a LEED and a WELL Accredited Professional.

Q: Tell us a little about your role at the Energy Commission, Danuta

A: My primary responsibility is to facilitate and manage the reach code adoption process, from the time an individual application arrives at the California Energy Commission, on through to the Business Meeting where it is considered for approval. Because this is a legal process in which the Commission extends enforcement authority to the local jurisdiction, every aspect of the process must comply with specific procedures.

Q: How long does this process typically take?

A: It can be a lengthy process; until quite recently, it has taken up to four or five months. We have been working very hard to streamline this process without compromising the right of public review and comment. Recently, in some cases, we have been successful in shortening this process to only a few weeks.

Local jurisdictions should recognize that there may be a significant length of time between when they deliver the reach code package to the Commission and when it is ultimately approved. That said, most of the packages we receive are very complete and well-done and we are impressed with the quality and diversity of measures being developed.

Q: What exactly do you mean by diversity, Danuta?
A: In the first place it has to do with the building types the jurisdiction focuses on. For instance, some jurisdictions will focus on single-family residential construction and others on high-rise or nonresidential buildings. We’re also seeing a broad range of efficiency improvements, such as electric-preferred, LEED-certified, and requirements for reflective cool roofs and additional photovoltaic system installations.

Q: Does the Commission provide support or other assistance to jurisdictions?

A: The Commission cannot provide specific content advice in order to avoid creating a conflict of interest, though we are always able to answer questions related to process. There is a wide range of assistance available to local city and county staff when they are preparing a reach code package. For instance, we can recommend third party organizations providing support, such as the Statewide Reach Codes program, as well as the experience of other jurisdictions that are developing similar provisions.

The local ordinance docket is a rich resource for jurisdictions, as this houses all the filed documents from every jurisdiction seeking reach code approval under the 2019 Energy Code. These include staff reports, cost-effectiveness studies, and the complete text of the ordinances themselves. All of these can be extremely valuable to jurisdictions that may be at an earlier point in the process.

Q: What are the biggest obstacles local jurisdictions encounter when developing reach ordinances?

A: There is no one common obstacle, to be honest. Every jurisdiction has unique challenges and because the process is a public one, the community’s stakeholders really guide and influence it. In some cases, a City Council or county Board of Supervisors may review a draft and request the team revisit certain provisions. If there is one commonality, it would be that the process often takes longer than originally anticipated by local teams.

City of Santa Monica Enriches its Sustainability Programs with Ambitious 2019 Reach Code Package

With nearly 93,000 residents, world-famous beach and Pier, Santa Monica also boasts one of the oldest commitments to sustainable building practices in the state and nation. The City first proposed its Sustainable City Plan in 1992 and in 1994, was one of the first cities to formally adopt a comprehensive sustainability plan, setting waste reduction and water conservation policies for both public and private sector through its Office of Sustainability and the Environment. In 2016, Santa Monica adopted its first reach ordinances and continues to demonstrate its commitment with its 2019 adoption of a comprehensive package of reach ordinances.

Drew Johnstone, Senior Sustainability Analyst notes, “We focused on extending efforts in areas where we have already had great success. In regards to reach ordinances, this focus involves advancing the use of renewable energy resources and incentivizing decarbonization. With regards to community awareness and acceptance, this focus means renewed efforts to educate and inform our community and provide robust resources to help stakeholders comply with the new ordinances.”

The package, approved by the Energy Commission in December 2019, provides two construction options for builders and developers.

- all-electric option
- mixed-fuel option

As an incentive to design all-electric buildings, Santa Monica’s ordinance requires a higher level of energy efficiency for mixed-fuel buildings. All-electric buildings are not subject to higher levels of energy efficiency and may be built to the State’s baseline efficiency requirements.

To support compliance with the new 2019 reach ordinances, the City added new resources to its already-robust Green Building website and teamed with Southern California Edison and the Los Angeles chapter of the USGBC (U.S. Green Building Council) to host compliance workshops for stakeholders to learn about the new reach code compliance pathways in detail.

Read the full story of the City of Santa Monica’s reach code journey here.
Stakeholder Profile: New 'Zero Energy Homes' in San Joaquin Valley May Help Increase Interest in Reach Codes

This story profiles De Young Properties, a developer in the Fresno area, that is actively building all-electric new home construction.

When most people think of the San Joaquin Valley, they tend to think about prime agricultural land and some of the 230 crops grown in what is known as the “food basket of the world.” If third-generation Fresno homebuilder Brandon De Young, Executive Vice President of De Young Properties (DYP) has his way, people will also begin to think about all-electric homes as a means to reduce greenhouse gas (GHG) emissions.

“When you combine the solar generation on all our homes with electric appliances, the numbers work, and it is a great story,” Energy efficiency in our ‘Zero Energy Homes’ remains especially important, but it is becoming more about reducing GHGs now,” Brandon says.

To date, no local government in the Valley offers financial incentives for GHG-saving homes, but many believe this will change soon. Brandon commented. “We believe that local governments will support State efforts to reduce emissions, but we don’t intend to wait for new programs or incentives. Incentives will help with market penetration for sure. A new (above-code) Reach Code program for new residential construction in our region would be nice since all of our ‘Zero Energy Homes’ easily surpass the new 2019 Title 24 energy code.”

City of Fresno Sustainability Manager, Ann Kloose believes there is merit in Reach Code programs. “We are very inspired by what DeYoung Properties and other builders are doing with above-code construction and solar in the Valley. The Valley goes a little slower than the rest of the state since revenues and resources are more limited. Electrification is certainly gaining momentum and the City is moving forward on electric vehicle charging stations and we support more home charging stations.”

While new residential construction permits are slowing in the City of Fresno, DYP continues to sell homes and builds around 100 ‘Zero Energy Homes’ each year in growing neighboring communities such as Clovis. Increased comfort, lower energy bills, and regional air quality improvements due to emissions savings have always been key selling points.

DYP is building and selling all-electric homes with heat pumps, water heaters and electric ranges without receiving financial incentives from utilities or manufacturers. “Our sample size is small, but once the customer sees the five-minute compilation of electric appliance videos there is a much greater chance, somewhere between 25-50 percent, that they will choose the electric range to complement their solar generated electricity . . . while our suppliers could change, the videos from each manufacturer will probably remain important at the point of sale to educate prospective buyers about the benefits of induction electric cooking.”

To find out more about DYP’s ‘Zero Energy Homes’, visit here.

For more information about the City of Fresno’s sustainability efforts, visit here.
Mike Strong

From: Kate Barba <katharine.barba@gmail.com>
Sent: Wednesday, May 27, 2020 2:31 PM
To: Jeffrey Epp
Cc: Mike Strong; Zachary Beck; Consuelo Martinez; Michael Morasco; Olga Diaz; Paul McNamara
Subject: [EXT] Re: Requested Meeting/Agenda Item
Attachments: image001.jpg

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Hi Jeff,
We are meeting with Mike Strong this week and will continue to work with staff on recommendations for the ECAP.
Thanks,
Kate Barba
302.381.7344

On Wed, May 27, 2020, 1:17 PM Jeffrey Epp <jepp@escondido.org> wrote:

Dear Katharine,

This morning our staff received your email sent on behalf of “The Escondido Community Advisory Group Sub-Committee on Effective and Equitable Climate Action Measures.” You requested that there be a City Council agenda item scheduled for June 10 regarding your work, however, we are declining to place such an item on the City Council agenda at this time, primarily because we already have an item scheduled for June 24th at which time we will be giving the City Council an informational report and status update on the various efforts involved in updating the City’s Climate Action Plan. This will be a staff report directly to Council, however, there will be opportunity for public comment.

In anticipation of your desire for a more meaningful role in terms of expressing the work by your group, I recommend you meet directly with Mr. Strong, who is our lead staff member working on this overall topic. To the extent he can fold some of your work into his own work as the City’s designated staff professional, he would be happy to do so, and to the extent you wish to present material to the Council directly, it should ideally occur through Mike. And of course, you always have the right to present material to the Council directly as a member of the public.

Regardless of when or how material gets presented, we appreciate your passion for the community of Escondido and helping us make this a better place for all.
Jeffrey R. Epp
City Manager
City of Escondido
Direct: 760-839-4897
jepp@escondido.org

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For local information and daily updates on COVID-19, please visit San Diego County Coronavirus. To receive updates via text, send COSD COVID19 to 468-311.
Mike Strong

From: earthlover@sbcglobal.net
Sent: Friday, April 24, 2020 9:08 AM
To: Paul McNamara; Consuelo Martinez; Olga Diaz; Michael Morasco
Cc: Mike Strong
Subject: [EXT] Sierra Club NCG comments on priority additions to ECAP update
Attachments: SierraClubNCG ECAP comments.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.

Dear Mayor and Councilmembers,
Please find attached our additional comments on the ECAP development and in support of many recommendations to you by the Community Advisory Committee. We are hoping, at your convenience, to meet virtually with each of you to discuss in more depth.
We know that this is a very trying time for everyone.
We believe having a good blueprint for climate actions by the end of the year will help move the city forward.
Please contact me with any questions.
Thank you for your consideration,
Laura Hunter
April 24, 2020

Mayor and City Councilmembers:
City of Escondido
Via Zoom

RE: Sierra Club NCG support of Escondido Community Advisory recommendations for the ECAP

Dear Mayor and City Councilmembers:
The North County Group of the Sierra Club is writing to support the recommendations made to you by the Community Advisory Committee on Environmental and Climate Action. We would like to highlight and support several few additions to the Escondido Climate Action Plan (ECAP).

Adopt a framework of social equity
We strongly urge the incorporation of equity action into the ECAP as a priority, and as outlined in the subcommittee’s recommendations. NCG suggested this approach months ago and are happy to see the Community Advisory group embrace it. The key aspect of identifying target ‘priority investment’ neighborhoods gives important structure and focus to the ECAP. We strongly urge that the approach we have offered be adopted into the framework of the ECAP.

Basing the designation of these neighborhoods on CalEnviroscreen data will bring credibility and scientific underpinning. Then, the ECAP should develop formal education and outreach for these areas; and, prioritize actions and funding for these communities as appropriate.

A. Add a major focus on building energy use, both new and existing.

1. Add existing home/business retrofit program. The low-hanging fruit of carbon reduction related to building energy use is retrofitting of existing homes and buildings. This is critical and can yield huge benefits of carbon reduction and co-benefits to individuals and the city. A retrofit program will reduce energy use, improve health, save money, and create green jobs.

2. Building electrification. As detailed in the Community Advisory Group Supplemental report, electrification of buildings represents an important opportunity for Escondido to reduce greenhouse gas emissions while providing health, economic, climate, workforce, and safety benefits. We specifically support:
a. Incentivize all-electric new construction and update the building code.

b. Incentivize high-efficiency heat pump HVAC, particularly as it pertains to air conditioning.

c. Align energy efficiency goals and savings with GHG savings opportunities.

B. Clean, Renewable Energy

1. Set NetZero goal. ECAP should establish a Zero Carbon target goal in alignment with Executive Order B-55-18 of carbon neutrality by 2045.

2. Adopt Community Choice Energy. A CCE prioritizes green energy, labor standards and local job provisions, and prohibits nuclear energy.

C. Acceleration of transportation goals and targets

1. Accelerate transition to electric vehicles, fleets, and transit. Steady progress with iterative goals toward electrifying transportation should be included in the ECAP.

2. Partner with schools to provide electric busses and transit.

3. Grow transit use habits. Provide free youth passes and reduced fare ridership for low income/qualifying individuals, and partner with schools on electric buses.

4. Stop annexations for projects that generate significant new VMT and require VMT reporting (per capita) every two years.

D. Include significant Urban and Rural Land Use Measures.

1. Recognize the sequestration value of chaparral and riparian habitats. Riparian and chaparral restoration and preservation has very high sequestration and co-benefits value. Restoration projects in the city should be pursued and a measure to remove 500 units from habitat lands in the General Plan included.

2. Reduce wildfire risks by prohibiting new development in high-fire risk areas.

3. Develop a vegetation management ordinance that addresses fire suppression and other issues.

4. Prioritize regenerative agriculture or ‘carbon farming’, both in established ag areas as well as develop new urban ag opportunities.

E. Commit to a City Forestry Master Plan focused on use of tree canopy to reduce climate impacts and provide co-benefits to residents. Trees mitigate climate change in two ways: By reducing emissions related to air
conditioning & heating with their shade, and by sequestering carbon and other greenhouse gas emissions.

1. ECAP should require the development of a master plan to fund, maintain, and improve urban forest. A goal should be established to plant enough trees, public and private, by end of 2023 to reach 15% canopy coverage in 10 years.

F. An ECAP that involves the whole community.

1. Formalize a community involvement strategy for implementation of the plan.
2. Commit to a dedicated coordinator, reporting, enforceability in the ECAP.

In addition, we fully support the request from the Community Advisory Committee to secure a presentation for the Council from UCSD Scripps Institute of Oceanography on climate change impacts, mitigation and adaptation in the San Diego region.

Since we understand that many of these recommendations are not currently included in the draft set of measures, we request the opportunity to meet virtually with you to discuss these proposals and how they could be incorporated into the ECAP. Please contact Laura Hunter at conservation@sierraclubncg.org.

Thank you for your continued work and consideration of these issues.

Sincerely,

Laura Hunter, Chair
NCG Conservation Committee
hi Mike,

Phil Church of the ECAP Advisory Sub-Committee checking in.

I am reaching out as an individual, as opposed to representing the Advisory Group specifically.

I am working on a project by which to CALCULATE (as opposed to Guessing), what GHGs are being produced by the City Fleet.

I am also doing this process in Vista, with the support of John Conley and others at City.

My strategy is based upon the "EPIC" Reports and suggestions presented to Escondido and to Vista regarding such as the replacement of City Fleet Vehicles (incrementally), with Electrics or other Alternative Fuel Options.

As an Air Quality Scientist, working with County, State and Federal agencies for about 40 years, my target is based upon being involved in the Emissions (Smog), Program and measuring Gases and Particles for a few decades.

I am requesting from you, access to someone such as the Fleet Manager (or designee), who has available to them the Fleet Vehicle Inventory, Mileage, Fuel type and consumption, Year, Make, Model and Engine. Gas/Diesel, etc. Also, a general Cost of Repair/Maintenance over the Service Life of the Vehicle.

For example, some Fleet Managers purchase vehicles based upon an expected Service Life of 8 years. They then buy a vehicle that comes with a 10 year Factory Warranty. When the end of Service arrives, they sell that vehicle with that additional 2 year warranty, for a Dollar added value.

This strategy allows the Municipality or Company to avoid warranty covered repairs and their costs over the 8 years. This allows a staffing of Lower Level Techs in the City Garage, etc. In theory, saving Larger Dollars.

My experience tells me that Cities are going more in this direction for many reasons. I believe that overall Fleet Purchases and Service Life Costs are already considered for the most part. My ADDITIONAL interest is in quantifying actual Fuel Consumption and Repair costs along with what are becoming consequential Environmental Values such as GHG reductions as outlined in CAPs and General Plans. This brings into play additional FINANCIAL cost/benefit considerations that are Directly and Indirectly linked to our Fleets.

In our BIG PICTURE overview of CAP matters, we can no longer pass off Measurements of Contribution as being eliminated by simply Sub-Contracting our Services to another Company. The Impacts of OUR vehicles still add up in contributing to OUR Air/Water calculations in the larger communities and regions.

So while we are currently using the EPIC calculations to attain compliance, I am working toward a far more accurate and comprehensive formula for determining Investment (in dollars and credits), for our City purposes.

Most of the information I am interested in compiling is already being collected by the City. I am just enough Old School that I suspect it is NOT recorded and cross referenced as yet, for such purposes as I envision. Please give me your thoughts and/or forward this request on to the appropriate Person in the Escondido City that would be most helpful.
Additionally, I am not yet familiar with how the Escondido Police Department is included with the Fire and Public Works sections of the Fleet. At one time in the 1980s, I serviced the EPD Motorcycles while managing the Service Dept. at Motorcycle Dynamics.

Thanks, I appreciate your interest in this. It will not be in time to integrate with this current CAP Update, but hopefully will be by the next one. At the very least, we may use this data for adjusting Fleet Management concepts to MEET or BEAT the goals currently going in.

My working Sub-Committee is in agreement that this is a viable Upgrade to the assigned category in our current project.

Phil Church
Mike Strong

From: Kate Barba <katharine.barba@gmail.com>
Sent: Monday, June 08, 2020 9:21 AM
To: Mike Strong
Cc: Swift, Timothy; Laura Hunter
Subject: [EXT] Voluntary Adv Committee inclusion on June 24th Council agenda

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Hi Mike,
Due to numerous conflicts, we had to postpone our June 8th (today) meeting with the full Voluntary Advisory Group on Climate and Environmental Action.
We expect to reschedule that very soon, and catch up with you just following to touch base on a short presentation of science and recommendations to the Council on the 24th as discussed.

We noticed there was no reference to our talk integrated with yours in the "Future Agenda" item included on the Council's agenda this week.
Just wanted to confirm that we are still "on", once we meet with you and agree on an approach.
Thanks for your continued support of the Committee!
Kate
Mike Strong

From: Swift, Timothy <TimothyS@phenomenex.com>
Sent: Wednesday, May 13, 2020 12:10 PM
To: Mike Strong
Cc: Richard Miller; Laura Hunter; Kate Barba; valeria.esqueda
Subject: Follow-up chat with E-CAG week of May 25th
Attachments: ECAP_Protect & Increase Tree Canopy.docx

Mike-

Thanks again for the time and comprehensive update yesterday... We were all definitely encouraged by the additional progress on CAP initiative inclusions! If you can send over the draft we reviewed on the horn, our group can start chipping away at some additional yellow-line edits. As we’re now starting to see some good crossover w/r to what we’ve already put forth as far as CAG recommendations, it should be fairly seamless in a number of areas for us to add some more “meat” on the bone. Understanding that these won’t be able to be “officially” updated until after the public comment period, nonetheless I think we can agree it’s worth us continuing to proactively plow forward with our edits/updates so that they’re on stand-by and ready for inclusion once the light turns green.

As an example, attached is the “Urban Trees” segment that we’re recommending, and in fact reviewed with Consuelo yesterday. The goals/metrics/strategies of the attached definitely jive with the plan you put forth yesterday, while offering a bit more detail on some of the “what/when/how”, and would thus form the basis of our yellow-line commentary (& we would of course proceed similarly for other initiative categories: Ag/Land Use, Buildings, Transit, Fire, etc.).

Along these lines, here were the questions I wanted to ask on behalf of Consuelo:

➤ Do we have a “formalized” Urban Forest Management plan?
➤ Have we ever applied for Prop 68 grant funding for UF management activities? As highlighted in the attached, CAL FIRE issues significant grants to cities looking to do exactly what we’re calling for in the ECAP (& in your version), so that is a high level funding opportunity (to the tune of hundreds of thousands of dollars) that we want to keep front and center.
➤ And on the subject of community choice energy, what were the results (& were they released?) from the CCE feasibility study conducted a while back?

Let’s shoot for another follow-up call in a couple of weeks. I can drop a line next Friday to suggest a few day/time options for the last week of May if that timeline works.

Thanks!

Timothy Swift
District Sales Manager
Phenomenex
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Email: TimothyS@phenomenex.com
Website: http://www.phenomenex.com
Follow us: ℹ️📸🔥
From: Swift, Timothy  
Sent: Wednesday, May 6, 2020 8:19 AM  
To: Mike Strong <mstrong@escondido.org>  
Cc: Richard Miller <richard.miller@sierraclub.org>; Laura Hunter <earthlover@sbcglobal.net>; Kate Barba <katharine.barba@gmail.com>  
Subject: Call/Zoom meeting next week to discuss ECAP? (timelines/procedural questions/initiative measures)

Good Morning Mike-

Our CAG subcommittee caught up on Monday, so following back around as promised. What’s your availability next Monday (11th) or Tuesday (12th) to have a phone/Zoom chat with a few of us here for a mutual exchange of updates?

A few discussion points (& questions) we can chat on during the call:

- An update from you on adaptation planning, EJ, & social equity integration. For the latter, how can our subcommittee group assist? (community outreach, etc.)
- What specific new measures have been added to the ECAP update so far? (w/r to the initiatives we yellow lined for you as a group a couple months back)
- Phase 2 public draft release... How exactly this will be conducted? And how can we help?
- Brainstorm on how/when our subcommittee can convene with council for a joint Zoom presentation with Scripps... For bandwidth’s sake, we can keep it to 75min total, w/ SIO speaking to local impacts and our subcommittee outlining a condensed version of the ECAP proposal we previously shared.
- Milestone timelines

If there’s a good time next Monday or Tuesday, feel free to propose and we can send a calendar invite with call-info.

Thanks!

Tim

From: Mike Strong <mstrong@escondido.org>  
Sent: Thursday, April 30, 2020 12:34 PM  
To: Swift, Timothy <TimothyS@phenomenex.com>  
Cc: Laura Hunter <earthlover@sbcglobal.net>; Nathan Serrato <nathan@escondidocreek.org>; Pe Church <pechurch@rocketmail.com>; Kate Barba <katharine.barba@gmail.com>; Jan Seeley <janseeley1@gmail.com>; Aisha Miller <aishawp@icloud.com>; Charlie Jungk <cjcjungk@gmail.com>; Marian Sedio <marian_sedio@yahoo.com>; Matthew Vasilakis <matthew@climateactioncampaign.org>; Patricia Borchmann <pborchmann9@gmail.com>; Richard Miller <richard.miller@sierraclub.org>; Shasta Gaugin <shasta71@gmail.com>; Valeria Esqueda <valeria.esqueda97@gmail.com>; victoria castillo <vicki_castillo@yahoo.com>  
Subject: Re: [EXT] Timeline/Procedural questions & comments on CAG Subcommittee work - RESPONSE REQUESTED on or before Monday May 4th

Tim, thank you for this email. I have received it and also the April 9 transmittal letter.

I think we can all agree that it would be good to get this into the Council's hands regardless of the CAG work. Therefore I will commit to including this as an attachment to in a future check-in with Council, before
conducting phase 2 outreach. This should give you comfort in that Council will be able to get their hands on it, and it will result in better conversations about next steps for climate action planning in Escondido.

I would like to discuss some of the things that we have been working on with social equity, environmental justice, and adaptation planning. Let’s coordinate something over the next couple of weeks.

Mike

From: Swift, Timothy <TimothyS@phenomenex.com>
Sent: Tuesday, April 28, 2020 3:14:35 PM
To: Mike Strong
Cc: Laura Hunter; Nathan Serrato; Pe Church; Kate Barba; Jan Seeley; Aisha Miller; Charlie Jungk; Marian Sedio; Matthew Vasilakis; Patricia Borchmann; Richard Miller; Shasta Gaugin; Valeria Esqueda; victoria castillo
Subject: RE: [EXT] Timeline/Procedural questions & comments on CAG Subcommittee work - RESPONSE REQUESTED on or before Monday May 4th

Thanks for the quick and comprehensive reply Mike, appreciate it. What the council has received thus far from us was our collective red-line commentary to the existing CAP initiative updates that you had overviewed to a subset of our subcommittee group at Roundtable back in FEB. While there is certainly some cross-over w/r to what we’re proposing in our latest recommendations, that was NOT the culmination of our work, but simply our collective feedback on a handful of measures you had outlined thus far.

The ECAP recommendation proposal we’re referring to below (attached again here!) is what I outlined in previous correspondence, ie a Power Point presentation along with the larger Escondido Climate Action Plan “supplemental report” on local impacts followed by a framework of CAP “initiative pillars” that have extensive detailing on mitigation strategies (sub-initiatives, funding options, etc.) for each. Have you opened and glanced the attached yet?

We’ll plan to circle back again with additional commentary (and likely some more follow-up questions!) via email after the group further discusses, so just wanted to send a quick note acknowledging receipt of your reply.

Have a good afternoon,

Timothy Swift
District Sales Manager

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Email: TimothyS@phenomenex.com
Website: http://www.phenomenex.com

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From: Mike Strong <mstrong@escondido.org>
Sent: Tuesday, April 28, 2020 2:53 PM
To: Swift, Timothy <TimothyS@phenomenex.com>
Cc: Laura Hunter <earthlover@sbcglobal.net>; Nathan Serrato <nathan@escondidocreek.org>; Pe Church
Thanks for asking for the clarification. I know council has already received one set of recommendations from your group, consisting of CAP improvements or issues/opportunities. So they already have seen them, unless there are multiple versions. I also have been reviewing the recommendations against the draft CAP administrative screencheck version. So there is some positive traction there.

Continue working as you see fit, but the subcommittee reports to the full CAG and the full CAG operates under the existing protocols established. I would recommend continuing but don’t send anything new to City Council until the full CAG can weigh in and has had a chance to meet in person. Other CAGs received this direction several months ago and they all seem to be ok with it. I don’t think there is any volunteer group that is active at the moment. And I don’t think anything is lost in this approach. Just additional time, perhaps.

As you know by now, the CAP work program has been delayed. I provided a presentation on the draft status to the CAG subcommittee and PC earlier this year. The goal was to be wrapping up the second phase of outreach in March/April. This has not occurred for a variety of reasons, but for the most part is because of the breadth and reach of online communications. There are some social equity considerations that have been developed, but until the City can reach out to all disadvantaged populations that prong of outreach is on hold.

As of this moment I am expecting a Council public hearing in July or August at best. Just a guess. Could be sooner or later depending on who soon things open up. It won’t go forward unless there is benefitting outreach. My position will change if things continue indefinitely. Regardless of the outcome, rest assured that your group’s recommendations would be included and likely responded to in the staff report. That I think would be expected and shared by all.

I would entirely agree that virtual meetings are more convenient, but I would entirely disagree that virtual meetings are more accessible to everyone.

If you want to suggest a guest speaker, you can certainly ask the City Clerk. But...My guess is that it won’t be accommodated until things open back up. Even in most CA cities, project applicants, who have due process rights, have had truncated opportunities to address their elected. They have been limited to call in features or scripted videos. To be honest, I could see some legal issues with the way business has been conducted in other cities, especially if the outcome is not supported. But, not to get side tracked on your interest for a guest speaker. I can’t see this happening until things are a bit more normal. It’s just really bad timing. But you can give it a shot.

I am open to discussing things via telephonically or by video conference.

Mike

Sent from my iPhone

On Apr 28, 2020, at 1:18 PM, Swift, Timothy <TimothyS@phenomenex.com> wrote:

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**CAUTION** : This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.
Hello Mike-

On behalf of the Escondido CAG subcommittee members cc’d here, we wanted to respond to your email below as well as ask a few clarifying questions regarding process and timeline. No doubt these are unique and trying times, with everyone doing their best to adapt accordingly! We’re a bit perplexed by the requirement specifying that we can only formalize our community advisory recommendations (to you & City staff) through an in-person meeting. We’ve currently been operating with the understanding that we are NOT an “official” City group (i.e. not supported structurally or by process), and as such, we’ve generally been directed to organize by ourselves & to arrange our own meetings/locations/schedules, but where City staff could periodically assist with the arranging of venues as needed. Additionally, our understanding is that the City would provide feedback while also serving as a liaison to various internal departments. Our subgroup verified this several times with you & City staff, and so ultimately two subcommittees were formed at the beginning of the year and have continued to work through the shut-down. The ECAP subcommittee has met in-person & virtually eight times so far in 2020, & the Single-use plastic subcommittee has met several times as well. Naturally, as we’re all non-official volunteers with full plates on the family and work fronts, subcommittee membership has fluctuated as folks’ schedules have allowed them to attend.

On April 6th, the ECAP subcommittee coordinated with Co-Chairs Jan Seeley and Shasta Gaugin (note that Shasta had to step down though due to work obligations) and held a well-attended Zoom meeting. It was noticed through the google io list that was created by the leaders of people who wanted to participate in the CAG. All that was required to participate was a working telephone, so no one was turned away. The Subcommittee presented our work, took input, and incorporated it prior to forwarding all the contents in an email to you directly with all of our recommendations & background materials (I’ve re-attached all of it here). And so this is where our confusion lays: This will now not be considered “viable” until new requirements are met & an in-person meeting is held??

Our collective stance is that the requirement of an in-person meeting is neither fair nor necessary, and in fact other cities are revising their requirements for their official community advisory meetings to allow on-line meetings (even City Council does not require an in-person meeting despite being subject to the Brown Act, which our group is not). Given the fluid situation of COVID-19 & with no end in sight regarding moratorium’s on large gatherings (Facebook cancelled all meetings of 50 or more people through 2021!!), we’re living in a virtual world right now. Further, it can reasonably be expected that if/when the City decides to hold in person meetings again, at-risk folks concerned about their health will likely choose not to attend. In reality, virtual meetings provide MORE access than physical meetings right now. And considering that the City itself is plowing forward with many projects during the sequestering, it’s unreasonable to ask us to avoid finalizing our recommendations until we can meet again in person.

Here is our multi-part request:

→ Can you please **clarify our statement/question in bold above?**
Can you **update us on the current timeline for finalizing the Update to Escondido’s Climate Action Plan**? Our request is for both a timeline on when you expect to present draft material to the Planning Commission and City Council, as well as when a draft will be posted for public comment. We assume the bulk of your work on the plan will be done soon, and so we do not want our input to arrive too late to be meaningful.

As an advisory committee and in the interest of public engagement, we ask that the Mayor and City Council review our ECAP recommendations and solicit direction as you continue to work on the draft Update... Same goes for the recommendations of the Plastics Subcommittee. It’s not hyperbole to state that hundreds & hundreds of collective hours have gone into research, discussion, planning/creation, and the presenting of these recommendations, and so we sincerely hope that this significant amount of time & meaningful work will not be dismissed. In fact our inspiration for all this was from the Mayor himself, calling for the creation of the “best plan in the county”... We feel strongly that we’ve captured a solid framework for this!

- Please advise as to whether you will forward our report and recommendations to the Mayor and Council as the work product of the Community Advisory Committee, as well as provide us with a timeline for review and finalization of the update of Escondido’s Climate Action Plan.

Finally, we **request a chance to meet with you directly to discuss our recommendations as outlined in the attachments and Zoom video, and to submit a request to agendize an informational item with scientists from UCSD Scripps Institution of Oceanography for the Council**. We currently have them on standby willing and able to co-present with us, and so we need to settle on a date/time & get in on the schedule.

Our CAG subcommittee plans to reconvene this coming Monday May 4th, so we’d very much appreciate if you could reply with answers to all these questions prior so that we can continue moving forward seamlessly.

Thank you,

Tim

Timothy Swift  
District Sales Manager  

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Torrance, CA 90501  
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Follow us:  
<image001.png>  
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<image004.png>
Happy Friday Environmental CAG,

As many of you know there have been a number of different government responses to the coronavirus (COVID-19) pandemic. On March 19, 2020, the Governor issued Executive Order N-33-20 in order to preserve public health and safety during the State of Emergency regarding the COVID-19 pandemic. The Order directed all individuals to heed State public health directives which ordered all citizens to stay at home, except as needed to maintain continuity of operations of critical infrastructure sectors. Subsequently, the County of San Diego issued a health order effective April 10, 2020 that states that all persons are to remain in their homes or at their place of residence, except for employees or customers travelling to and from essential businesses or activities, and avoiding any event or convening that brings together more than one person in a single room or single indoor or outdoor space at the same time. The County order is scheduled to continue until at least April 30, 2020.

Many of us have been attempting to make sense of these directives and determine how to manage business and professional life. Many of us have been using online technologies to conduct meetings, brainstorm ideas, and make decisions. But not all of us have access to these technologies. Some people have been disadvantaged for a variety of reasons.

In consideration of the above, if you are continuing your subcommittee work please know that we need to continue to adhere to already established protocols. Subcommittee work should return to the full community advisory group and, based on discussion and consensus, recommendations will be forwarded to the City Manager's office. The full community advisory group needs to convene in person and in a public and accessible setting to maximize opportunities to participate and to not exclude anyone that might be disadvantaged.

We look forward to continue the work of all community advisory groups. Subcommittee group work may continue to build and refine strategies. But again, before a recommendation is "formally" filed, the community advisory group needs to convene in person. And it needs to be properly noticed and advertised so that no interested person is left behind.

I look forward to coordinating this meeting with your self-appointed co-meeting facilitators when the County Order is lifted. After several big ideas are formalized. A comprehensive "report out" will be made to the City Council at some point in the future.

Thanks. And stay healthy and safe.

Mike

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**Escondido Community Advisory Group Subcommittee**

**Summary of Research for Effective & Equitable E-CAP**

**LAND USE OPPORTUNITY: Protect & Increase Urban Tree Canopy**

**TREES** mitigate climate change in two ways: Reducing emissions related to air conditioning & heating with their shade, and sequestering carbon and other greenhouse gas emissions. In urban areas, trees are especially valuable:

- Trees provide for pollution reduction & improved pulmonary health for residents
- A single mature tree sequesters 40-80lbs of carbon per year
- Increased real estate values & neighborhood beautification
- Increased sense of well-being, crime reduction
- Topsoil & stormwater retention (1000g/y per mature tree)
- Critical for wildlife habitat.
- Shade and “Evapo-transpiration”

The cooling effect that mature trees provide cannot be overstated. It is estimated that trees can reduce urban heat island effects by as much as 10-20 degrees F! Most notably is that with more than 1/3 of all carbon emissions in the US being created by electricity production, minimizing heating/cooling in buildings via shade trees significantly lowers carbon footprint.

On the more “intangible” side of the coin, living in neighborhoods with abundant green space is linked to positive health outcomes. These include better heart health, stronger cognitive development, and greater overall longevity. It’s no surprise then that these areas are also linked to lower levels of Medicare spending.

Because of the all the above-stated benefits, it is estimated that urban trees return $3+ for every $1 invested in their planting & care over their lifetime. **Heat Island Basics Trees/Vegetation** | **How Trees Combat Urban Heat** | **Mental Health Benefits of Trees**
ACTION #1: Protect and Increase Urban & Suburban Forests.

It is estimated that the urban forest for the San Diego region as a whole is 60-70% below (canopy coverage) what it should be for the health of both humans (both physiological and mental) and the environment. Most recent figures point to a recommended 15-20% total canopy coverage for desert/grassland cities. ([Loose Leaf American Forests](https://www.looseleafamericanforests.com))

The most concerning aspect is that San Diego’s tree canopy may actually be decreasing via drought, disease, & human indifference/neglect. ([Tree San Diego](https://www.treesandlearning.org))

According to the City of Escondido’s asset management program:

- Currently there are **52,979 trees** (up from 49,583 in 2014). This of course is only a small portion of entire “urban forest” (ie does not include private property trees)
- A large proportion (10K, or about 20%) are palm species, & rot a wide canopy variety.
- 80% are under 30ft tall, 10% are 30-45ft tall, and 5% are 60ft+
- Listed condition: 117 “dead”; 3,500 “poor”; 23,000 “fair”; 23,000 “good”
  - ~7,000 listed as “Monitor: diseased/declining” or in a “Removal” category

However, the City of Escondido’s ~50,000 trees still potentially mitigate **8-10+ tons** of air pollution per year and remove an additional **1000-2000 tons** of carbon per year. Over a 50-year lifespan, a tree generates ~$32,000 worth of oxygen, provides $62,000 worth of air pollution control, $37,500 worth of water control, and $31,000 worth of soil erosion control. With these #’s in mind, it’s estimated that Escondido’s current tree population provides annual ecosystem benefits valued at ~$100M+ ([Urban Forestry Network](https://www.urbanforestry.net)). The cities asset management program lists a value of **$150M** for its tree population. These values jump considerably when we also consider tree canopy on private property contributing to these ecosystem benefits, and so all the more reason to invest in and protect/increase this sector as well.

*Escondido should develop and implement a management plan to both increase total canopy coverage as well as assure the long-term vitality of its urban/suburban forests!!*

**Step 1:** **Assess the current state of its urban forest.** A good example to follow is Mayor Garcetti’s recent approach in Los Angeles. ([LA Urban Forest Initiative](https://www.laforestinitiative.org) to plant **90,000 trees by 2021**)

- Assess current total canopy coverage % for the city. ([USDA Methodology](https://www.fs.fed.us/rmx/urbanforestry/forests/)
- Evaluate species & location of trees by zip and by street, as this pertains to potential for shade coverage as well as carbon/pollution sequestration abilities.
- Continue monitoring diseased/declining trees, remove dead ones.
- Identify areas of deficiency in business and residential sectors & assess feasibility to increase coverage.

**Step 2:** **Develop a master plan to fund, maintain, and improve urban forest.** Target to plant enough trees – public & private – by end of 2022 to reach 15-20% total city canopy coverage in 10 years. (25% coverage goal on streets and sidewalks)

- Create a City Forester position and assign a certified horticulturist/arborist
- Initiate capital improvement programs, public works & parks budgets. Consider ballot measure to fund?
- Adopt ordinances to require tree preservation, private owners included.
- Replacement and planting for private development.
- Enhanced inspection and enforcement capabilities.

**Additional City Resources:**
- Vibrant Cities Urban Forestry Planning
- US Forest Service: Urban Forests
- ISA Tree Ordinance Guidelines
- Escondido Parks Recreation

**Escondido Tree Coverage, 2014 Data Set**
Top 10 Species / Estimated Value

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Total</th>
<th>Pct.</th>
<th>Estimated Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syagrus romanzoffianum</td>
<td>QUEEN PALM</td>
<td>5,177</td>
<td>10.44%</td>
<td>$8,696,520.00</td>
</tr>
<tr>
<td>Quercus agrifolia</td>
<td>COAST LIVE OAK</td>
<td>4,064</td>
<td>8.20%</td>
<td>$24,215,650.00</td>
</tr>
<tr>
<td>Washingtonia robusta</td>
<td>MEXICAN Fan PALM</td>
<td>2,461</td>
<td>4.96%</td>
<td>$9,533,400.00</td>
</tr>
<tr>
<td>Platanus X hispanica</td>
<td>LONDON PLANE</td>
<td>2,137</td>
<td>4.31%</td>
<td>$4,219,040.00</td>
</tr>
<tr>
<td>Liquidambar styraciflua</td>
<td>AMERICAN SWEETGUM</td>
<td>2,092</td>
<td>4.22%</td>
<td>$3,205,460.00</td>
</tr>
<tr>
<td>Lagerstroemia indica</td>
<td>CRAB MYRTLE</td>
<td>1,859</td>
<td>3.61%</td>
<td>$1,302,060.00</td>
</tr>
<tr>
<td>Eucalyptus camaldulensis</td>
<td>RED GUM</td>
<td>1,649</td>
<td>3.31%</td>
<td>$9,743,170.00</td>
</tr>
<tr>
<td>Jacaranda mimosifolia</td>
<td>JACARANDA</td>
<td>1,245</td>
<td>2.51%</td>
<td>$1,940,070.00</td>
</tr>
<tr>
<td>Cupanopsis anacardoides</td>
<td>CARROTWOOD</td>
<td>1,228</td>
<td>2.48%</td>
<td>$2,404,520.00</td>
</tr>
<tr>
<td>Lophostemon confusus</td>
<td>BRISBANE BOX</td>
<td>1,226</td>
<td>2.47%</td>
<td>$2,756,000.00</td>
</tr>
<tr>
<td>Other</td>
<td>OTHER</td>
<td>26,623</td>
<td>53.59%</td>
<td>$79,629,420.00</td>
</tr>
<tr>
<td>Total Trees</td>
<td></td>
<td>49,583</td>
<td>100%</td>
<td>$150,005,310.00</td>
</tr>
</tbody>
</table>

**ACTION #2: Plant & Protect Street & Shade Trees**

Street trees provide special benefits in that they protect sidewalks and asphalt, reduce automobile accidents by slowing traffic, absorb UV rays and pollution, improve retail viability, reduce energy use and even reduce crime, which increases with heat. Their cool greenery also provides a more appealing atmosphere that encourages walking and biking.

Carefully situated shade trees can play a powerful role in reducing air condition burdens and utility bills. A deciduous shade tree placed on the southwest corner of any building can reduce air conditioning bills by at least 25 percent, and these benefits begin to accrue within just a few years of planting. In winter, evergreen trees are effective when placed on the northeast corners of buildings, serving as wind breaks and reducing heating bills.

1) Ensure city planning master plan incorporates increased street tree plantings, and that tree planting is funded.
   a. Assign highest priority to low equity residential neighborhoods
   b. Plant trees along streets and in medians.
   c. Plant shade trees around municipal buildings as warranted by assessment.

2) Pursue funding from CAL FIRE Grants... Substantial funding opportunities!!! For example, in 2017 National City got CAL FIRE grant for $650,000 for initial planting of 10,000 trees, and funds to hire consultant to prepare Urban and Community Forestry Program, and then ongoing funding in subsequent years for urban forest expansion and improvements.
   a. [https://www.fire.ca.gov/grants/urban-and-community-forestry-grant-programs/](https://www.fire.ca.gov/grants/urban-and-community-forestry-grant-programs/)

3) Require street trees (of appropriate species for location) to be planted in new commercial developments. City of Vancouver Tree Requirements

4) Akin to Free Tree SD, Escondido should fund a community tree program that provides residents with free street trees and horticulture information about their planting and care.

5) Consider replacing invasive & Mexican palm species with more favorable shade tree species.

6) Pursue funding a tree planting project via The Escondido Community Foundation

7) Utilize Community Group Development Grants (up to $5k per group) for street planting in needy areas. (discuss details with Consuelo Martinez)

8) Create a community-led Go Fund Me to solicit donations for specific tree planting projects in underserved areas.
   a. Or it can be a something like “Escondido Team Tree’s“, where we create a website like this one, partner with Arbor Day to assist with planting, get it out on social media to solicit funds, and then carry out planting in underserved areas in Escondido.

9) Continued participation in Cool Parks, where recently volunteers planted 300 trees in Grape Day Park, Kit Carson Park, Mountain View Park, Washington Park, Jesmond Dene Park and South Center City Parkway.

10) Find a local partnership akin Tree People and their collaboration with the Leonardo DiCaprio Foundation LA Urban Forestry Initiative

11) Provide cost-sharing for planting of shade trees. Encourage incentive programs with local utilities/SDG&E. Riverside Shade Tree Incentives, San Antonio Green Shade Program

12) Increased City of Escondido & Community collaboration w/ Arbor Day Foundation
   a. Host an annual Arbor Day Event where volunteers work to plant trees!
   b. Become an Energy Saving Trees Partner (SDG&E is a Arbor Day Partner!)
   c. Become a Community Canopy Partner
   d. Tree Certification to ensure tree care and health is standardized and trees will henceforth be cared for by certified arborists and supported by the tree advisory committee made up of professionals & community partners.
   e. Earn Recognition for Urban Forest Stewardship with a Tree City Arbor Day Award
      Example: Boulder, CO

Additional Resources:
EPA Urban Heat Islands Database
EPA: Urban Street Trees & Green Infrastructure
22 Benefits of Urban Street Trees
Inequity of Urban Heat Islands
Planting Trees Reduces Carbon Footprint, EPA Trees & Vegetation Reduce Heat Islands
Mike Strong

From: Kate Barba <katharine.barba@gmail.com>
Sent: Friday, June 12, 2020 7:11 AM
To: Mike Strong
Cc: Swift, Timothy; Laura Hunter
Subject: [EXT] Re: Voluntary Adv Committee inclusion on June 24th Council agenda

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address AND know the content is safe.

Good morning Mike,
We understand from the Mayor that you will present on the draft ECAP on June 24th and that there is no need at this time to include a presentation from the Advisory Committee, that you plan to reference our work and that we'll be working together during the public comment period along with expert presentations to the Council as appropriate through the summer.

To facilitate our input and assure you have our latest and greatest recommendations for the plan, we'd like to request an editable version of the document you plan to post for public review and comment. We have the versions of enforceable measures for GHG reduction and the climate adaptation elements, but to assure comprehensive Advisory Committee input, we request a version of the entire plan (word doc with excel or whatever works for you) so that we can streamline our comments and recommendations.

Our current plan is as follows:
-- Mike forwards editable version of ECAP to the Committee
-- now through June 30: assure Committee review, edit and comment on the City draft of the ECAP;
-- July 13: Convene the full committee, review our input and solicit any additional comments;
-- late July: Request time with you to review and discuss our input

Thanks,
Kate Barba

---

On Mon, Jun 8, 2020 at 9:20 AM Kate Barba <katharine.barba@gmail.com> wrote:
Hi Mike,
Due to numerous conflicts, we had to postpone our June 8th (today) meeting with the full Voluntary Advisory Group on Climate and Environmental Action.
We expect to reschedule that very soon, and catch up with you just following to touch base on a short presentation of science and recommendations to the Council on the 24th as discussed.

We noticed there was no reference to our talk integrated with yours in the "Future Agenda" item included on the Council's agenda this week.
Just wanted to confirm that we are still "on", once we meet with you and agree on an approach.
Thanks for your continued support of the Committee!
Kate
ATTACHMENT 2

Mike Strong

From: Swift, Timothy <TimothyS@phenomenex.com>
Sent: Tuesday, June 16, 2020 12:21 PM
To: Kate Barba; Mike Strong
Cc: Laura Hunter
Subject: [EXT] RE: Voluntary Adv Committee inclusion on June 24th Council agenda

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Mike-

Hope you’re having a good day so far. Per Kate’s note below, do you indeed have an “editable” version of the latest updated draft plan(s) you will be putting out for public commentary in a couple of weeks? We have the 2 PDF’s of measures you’ve shared in the past, but something that we can easily add our commentary/suggestions to in a sequential an organized way would be ideal for both sides as we move forward once the commentary period closes.

Let us know if this possible... Thanks Mike!

Timothy Swift
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Website: http://www.phenomenex.com
Follow us: 🐉facebook.com

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