

Michael Hannon, **WMA President**
City of Newark, WMA, EC
Dave Sadoff, **WMA 1st Vice President**
Castro Valley Sanitary District, WMA
Tim Rood, **WMA 2nd Vice President**
City of Piedmont, WMA, EC
Dianne Martinez, **EC President**
City of Emeryville, WMA, EC
Jim Oddie, **EC 1st Vice President**
City of Alameda, WMA, EC
Deborah Cox, **EC 2nd Vice President**
City of San Leandro, WMA, EC
Keith Carson, County of Alameda, WMA, EC
Peter Maass, City of Albany, WMA, EC
Jesse Arreguin, City of Berkeley, WMA, EC
Don Biddle, City of Dublin, WMA, EC
Vinnie Bacon, City of Fremont, WMA, EC
Sara Lamnin, City of Hayward, WMA, EC
Bob Carling, City of Livermore, WMA, EC
Dan Kalb, City of Oakland, WMA, EC
Shelia Young, Oro Loma Sanitary District, WMA
Jerry Pentin, City of Pleasanton, WMA, EC
Lorin Ellis, City of Union City, WMA, EC

Wendy Sommer, Executive Director

AGENDA

MEETING OF THE ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY (WMA) BOARD AND THE ENERGY COUNCIL (EC)

Wednesday, January 24, 2018

3:00 P.M.

**StopWaste Offices
1537 Webster Street
Oakland, CA 94612
510-891-6500**

**Teleconference
Dave Sadoff
Hilton Palm Springs
400 E Tahquitz Canyon Way
Palm Springs, CA
760-320-6868**

Meeting is wheelchair accessible. Sign language interpreter may be available upon five (5) days notice by calling 510-891-6500. Members of the public wanting to add an item to a future agenda may contact 510-891-6500.

I. CALL TO ORDER

II. ROLL CALL OF ATTENDANCE

III. ANNOUNCEMENTS BY PRESIDENTS - *(Members are asked to please advise the board or the council if you might need to leave before action items are completed)*

IV. OPEN PUBLIC DISCUSSION FROM THE FLOOR

An opportunity is provided for any member of the public wishing to speak on any matter within the jurisdiction of the boards or council, but not listed on the agenda. Total time limit of 30 minutes with each speaker limited to three minutes unless a shorter period of time is set by the President.

Page V. CONSENT CALENDAR

- 1 **1. Approval of the Draft Minutes of December 20, 2017 (Wendy Sommer)**

VI. REGULAR CALENDAR

- 5 **1. 2018 Legislative Priorities (Anu Natarajan)**
Confirm the legislative priority areas to include Extended Producer Responsibility (EPR), Organics Legislation and Regulation, and the Circular Economy.

- 9 **2. Overview of Local Government Efforts Concerning Plastic Straws (Anu Natarajan)**
 This item is for information only.
- 3. Interim appointment(s) to the Recycling Board for WMA appointee unable to attend future Board Meeting(s) (Wendy Sommer)**
 (Planning Committee and Recycling Board meeting, February 8, 2018 at 7:00 pm, San Leandro Senior Community Center, 13909 E. 14th St, San Leandro CA 94578)
- 13 **4. 2018 PG&E Local Government Partnership Contract (Karen Kho) (EC Only)**
 Adopt the attached Resolution authorizing the Executive Director to enter into a 2018 contract agreement with PG&E to continue the administration of the East Bay Energy Watch Strategic Advisory Committee and programmatic coordination in 2018 and other related actions.
- 19 **5. BayREN Contract Amendments (Karen Kho) (EC Only)**
 Adopt the attached Resolution authorizing the Executive Director to enter into all necessary contracts and agreements with ABAG and make any necessary changes to the FY 2017/18 budget for Project 1347:BayREN.

VII. MEMBER COMMENTS AND COMMUNICATIONS FROM THE EXECUTIVE DIRECTOR

VIII. ADJOURNMENT

DRAFT

**MINUTES OF THE MEETING
OF THE
ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY (WMA)
AND
THE ENERGY COUNCIL (EC)**

Wednesday, December 20, 2017

3:00 P.M.

**StopWaste Offices
1537 Webster Street
Oakland, CA 94612
510-891-6500**

I. CALL TO ORDER

President Mike Hannon, WMA, called the meeting to order at 3:02 p.m.

II. ROLL CALL OF ATTENDANCE

WMA & EC:

City of Alameda	Jim Oddie, WMA, EC
City of Albany	Peter Maass, WMA, EC
City of Berkeley	Jesse Arreguin, WMA, EC
Castro Valley Sanitary District	Dave Sadoff, WMA
City of Dublin	Don Biddle, WMA, EC
City of Emeryville	Dianne Martinez, WMA, EC
City of Fremont	David Bonaccorsi, WMA, EC
City of Hayward	Sara Lamnin, WMA, EC
City of Livermore	Bob Carling, WMA, EC
City of Oakland	Dan Kalb, WMA, EC
Oro Loma Sanitary District	Shelia Young, WMA
City of Piedmont	Tim Rood, WMA, EC
City of Newark	Mike Hannon, WMA, EC
City of Union City	Lorin Ellis, WMA, EC

ABSENT:

County of Alameda	Keith Carson, WMA, EC
City of Pleasanton	Jerry Pentin, WMA, EC
City of San Leandro	Deborah Cox, WMA, EC

Staff Participating:

Wendy Sommer, Executive Director
Tom Padia, Deputy Executive Director
Karen Kho, Senior Program Manager
Jennifer West, Program Manager
Richard Taylor, WMA Legal Counsel
Arless Dunn, Clerk of the Board

Others Participating:

Rachel DiFranco, City of Fremont

III. ANNOUNCEMENTS BY PRESIDENTS

There were none.

IV. OPEN PUBLIC DISCUSSION FROM THE FLOOR

There was none.

V. CONSENT CALENDAR

1. Approval of the Draft Minutes of November 15, 2017 (Wendy Sommer)

There was no public comment for Item #V.1 of the Consent Calendar. Board member Maass made the motion to approve Item #V.1 of the Consent Calendar. Board member Rood seconded and the motion carried 15-0: (Ayes: Arreguin, Biddle, Bonaccorsi, Carling, Hannon, Kalb, Lamnin, Maass, Martinez, Oddie, Rood, Sadoff, Young. Nays: None. Abstain: None. Absent: Carson, Cox, Ellis, Pentin).

2. Changes to Energy Council Rules of Procedure (Wendy Sommer)

That the Board adopt the revisions to the Energy Council Board Rules of Procedure.

Board member Lamnin requested that Item #V.2 of the Consent Calendar be removed for further discussion. Executive Director Wendy Sommer stated that in September, the WMA Board approved changes to its Rules of Procedure and staff revised the Energy Council's Rules of Procedure to ensure consistency with the recently updated Waste Management Authority Rules of Procedure. Board member Lamnin requested that staff ensure that the language in Section 3:8 and 5:8 are consistent regarding Board members who are unable to attend a meeting in person are encouraged to have their member agency's alternate attend in their place.

There was no public comment on this item. Board member Lamnin made the motion to adopt the revisions to the Energy Council Board Rules of Procedure with the aforementioned revision. Board member Rood seconded and the motion carried 15-0: (Ayes: Arreguin, Biddle, Bonaccorsi, Carling, Hannon, Kalb, Lamnin, Maass, Martinez, Oddie, Rood. Nays: None. Abstain: None. Absent: Carson, Cox, Ellis, Pentin).

VI. REGULAR CALENDAR

1. Vacancy on the Recycling Board (Arliss Dunn)

Staff recommends that the WMA Board fill the upcoming vacancy on the Recycling Board.

The Clerk of the Board informed the Executive Director that Board member Pentin would be completing his second term on the Recycling Board on January 19, 2018 thereby creating a vacancy on the Recycling Board. The WMA Board will need to appoint a WMA representative to the Recycling Board. Mr. Padia added Board member Pentin will attend the January 2018 Recycling Board member so the new representative would not begin their term until the February meeting. There was no public comment on this item.

Board member Young made the motion to nominate Board member Lamnin (Hayward) to fill the upcoming vacancy on the Recycling Board. Board member Lamnin accepted the nomination. Board member Rood seconded and the motion carried 15-0: (Ayes: Arreguin, Biddle, Bonaccorsi, Carling, Hannon, Kalb, Lamnin, Maass, Martinez, Oddie, Rood, Sadoff, Young. Nays: None. Abstain: None. Absent: Carson, Cox, Ellis, Pentin).

2. 2018 Meeting Schedule (Arliss Dunn)

It is recommended that the WMA/EC, P&A Committee, and the Recycling Board/Planning Committee, each adopt their respective regular meeting schedules for 2018.

DRAFT

There was no public comment on this item. Board member Carling made the motion to adopt the WMA/EC 2018 meeting schedule. Board member Arreguin seconded and the motion carried 15-0: (Ayes: Arreguin, Biddle, Bonaccorsi, Carling, Hannon, Kalb, Lamnin, Maass, Martinez, Oddie, Rood, Sadoff, Young. Nays: None. Abstain: None. Absent: Carson, Cox, Ellis, Pentin).

3. Interim appointment(s) to the Recycling Board for WMA appointee unable to attend future Board Meeting(s) (Wendy Sommer)

(Planning Committee and Recycling Board meeting, January 11, 2018 at 4:00 pm, StopWaste Offices, 1537 Webster Street, Oakland, CA)

There were no requests for an interim appointment.

EC President Dianne Martinez chaired the EC items agenda items. Board member Ellis arrived prior to the EC agenda items.

4. 2018 BayREN Contract (Karen Kho) (EC Only)

Adopt the attached Resolution authorizing the Executive Director to enter into a 2018 contract with ABAG for Bay Area Regional Energy Network (BayREN) services and other related actions.

Karen Kho provided an overview of the staff report. A link to the report is available here: [2018-BayREN-Contract-12-20-17.pdf](#)

Board member Rood inquired about how the Metropolitan Transportation Commission (MTC) and ABAG merger might affect the contract. Ms. Kho stated that there have already been some changes with regard to administration and this contract has gone through the MTC legal process. The BayREN member contracts are now going to the Executive Board for approval. Ms. Kho added an additional programmatic change is the “Pay As You Save” finance program is planning to use ABAG’s reinvigorated financing authority. Board member Rood inquired if there has been any discussion regarding the future of BayREN as it relates to East Bay Community Energy. Ms. Kho stated yes, BayREN and ABAG have been very active in meeting with all of the CCAs that have been forming in the various counties to see how BayREN can be supportive and to ensure there isn’t any duplication of programs. There are unique opportunities for BayREN to run different types of programs from CCAs and utilities since it is not held to the same cost effectiveness standards. These programs would be complementary for a CCA.

Board member Lamnin stated that some of the programs are well balanced in terms of distribution of impact across the county and inquired if there is thought about balancing it out moving forward. Ms. Kho stated that staff works closely with the Technical Advisory Group TAG to ensure coverage throughout the county when doing outreach events and to increase contractor participation in areas where there is smaller uptake. However, since the program is market based, predicting participation can be difficult. There was no public comment on this item.

Board member Rood made the motion to approve the staff recommendation. Board member Kalb seconded and the motion carried 16-0: (Ayes: Arreguin, Biddle, Bonaccorsi, Carling, Ellis, Hannon, Kalb, Lamnin, Maass, Martinez, Oddie, Rood. Nays: None. Abstain: None. Absent: Carson, Cox, Pentin).

5. East Bay Energy Watch Policy Paper (Jennifer West) (EC Only)

This item is for information only.

Jennifer West provided an overview of the staff report and introduced Rachel DiFranco, City of Fremont. Ms. DiFranco presented a PowerPoint presentation on “Navigating the Changing Landscape of Energy Efficiency Programs in the East Bay.” A link to the staff report and the presentation is available here: [EC-EBEW-Policy-Paper-Presentation-12-20-17.pdf](#)

DRAFT

President Hannon commented that not all cities in Alameda County are participating in the CCAs and we wouldn't want to inadvertently exclude communities that might benefit from energy efficiency programs. Board member Maass commented that it would be helpful to include information on the size, cost, successes and effectiveness of these programs as the rate funded programs must show energy efficiency and inquired if there is any sense of programs that are not prescribed to do that. Board member Maass added that ultimately decisions about where we are going forward will not be made at the local level but on the state level. Ms. DiFranco stated that when it comes to how East Bay Community Energy decides to do energy efficiency programs there is a significant role staff and local elected officials can play in terms of providing insight and guidance. Ms. DiFranco added in terms of going to PUC level and looking at cost effectiveness analysis and how they currently evaluate programs that are being delivered through rate payer dollars, it is a broader discussion. There is some discussion taking place currently around whether we are evaluating programs in a way that isn't effective and if we should be evaluating programs on carbon reduction versus kilowatt hours or therms of energy saved. Ms. West added they wanted to add program metrics to the paper, but it was difficult to get metrics from PG&E for the two-county territory and staff did not want to include an unbalanced picture.

Board member Bonaccorsi expressed concern on PG&E's approach to some of the jurisdictional issues with the CCAs, especially issues or conflicts that are data driven or renewable energy driven.

Ms. Sommer stated that at the heart of the issue is coordination, and stated that some of the Energy Council Board members also sit on the EBCE Board, and staff is hopeful that they will convey the information on what is available in energy efficiency programs, highlight the work that StopWaste is doing, and how we can work together to move forward. Ms. Sommer added that the agency recently received a letter from the Mayor of Albany seeking our support for an application for a grant from the CEC for energy efficiency programs to be conducted by EBCE and city staff and StopWaste staff were unaware of the issue. Ms. Sommer stressed the importance of the need for coordination to ensure that we are not getting in each other's ways. Board member Lamnin commented that she is pleased to see the effort toward coordination and recommended forming a working group comprised of staff from the various energy efficiency groups to create one intake hub in order to triage information systematically to the public. Ms. West commented on the changing landscape of PG&E's energy efficiency programs. Ms. West stated that over the next two to four years, PG&E will be required to outsource third-party-60% of energy efficiency portfolio and we are not sure what that will mean for the East Bay Energy Watch. Board member Rood inquired as to why they are required to outsource that percentage. Ms. West stated that the decision was made by the CPUC and she thinks it may involve letting go of PG&E oversight of designing and implementing programs. There was no public comment on this item. President Martinez thanked Ms. West and Ms. DiFranco for their presentation and discussion.

VII. COMMUNICATION/MEMBER COMMENTS

Ms. Sommer distributed a copy of the monthly topic brief on our stop food waste campaign "Stop Food Waste at Home." The topic brief is also available on the StopWaste website at this link:

[Stop-Food-Waste-At-Home-Topic-Brief](#). Ms. Sommer introduced the newest staff members: Ben Cooper, Energy Program Manager, and Anu Natarajan, Legislative and Regulatory Affairs Manager. Board member Oddie requested that staff email to him a copy of the topic brief to include on the Council agenda. President Hannon thanked the Board and staff for a wonderful year.

VIII. ADJOURNMENT

The meeting was adjourned at 3:47 p.m.

DATE: January 24, 2018

TO: Waste Management Authority Board

FROM: Wendy Sommer, Executive Director

BY: Anu Natarajan, Legislative & Regulatory Affairs Manager

SUBJECT: 2018 Legislative Priorities

SUMMARY

Each year, the Board adopts its legislative priority areas to focus the Agency's involvement in legislative work. This report outlines the legislative priorities for Board approval. It also includes an overview of the Agency's legislative and regulatory work.

BACKGROUND

Through its input on legislation and regulation, StopWaste has been an effective voice in Sacramento on issues important to the Agency and to its member agencies. In order to be nimble in responding to changes that occur during the legislative session, the Board approves the legislative protocols, including priority areas for focus. These are topic areas that the Agency Staff and lobbyist devote more time to—providing additional letters of support to committee members, testifying at hearings and working closely with the bill's sponsors.

In 2017, the Board adopted two areas as legislative priorities that support the Agency's work on shifting toward waste prevention:

- Extended Producer Responsibility (EPR)
- Organics legislation and regulation

The timeline for legislative activity is typically as follows:

December-January: WMA Board adopts legislative priorities for the year

February: Deadline for introduction of bills and committee meetings for bills moving ahead from previous year

March: Bill authors and organizational sponsors seek letters of support, committee meetings begin

April: Staff reviews bills and recommends positions on bills for Board adoption

June: Board receives status update on bills and provides direction as appropriate

October: Status update provided to Board after Governor takes action

In June 2016, the Board adopted a motion to authorize the Executive Director to take positions on bills in accordance with Agency's adopted priority areas, with a notice to the Board within three business days of a letter taking a position.

DISCUSSION

Guidelines/Principles for Agency Support of Legislative Bills

In November 2016, the Board adopted a set of guiding principles to guide the Agency's work through 2018. Some of those principles are outlined below and will be used to evaluate bills for the Agency to focus.

- Organics, as the largest remaining portion of the waste stream going to landfill, will continue to be an emphasis.
- Emphasize waste prevention over management of discards for the Agency's non-mandatory projects.
- Pursue bills with multiple sustainability benefits (greenhouse gas reduction, water conservation), only when linked with materials and waste management.
- Coordinate and collaborate with partner organizations and cities to avoid duplication of effort.
- Ensure that implementation of new regulations minimizes adverse impact to member organizations.

2018 Priority Areas

Staff believes that **Extended Producer Responsibility** and **Organics legislation and regulation** should continue to be priority areas.

In addition, the Agency should focus on the area of **Circular Economy** - material re-purposing and rethinking of how product materials and packaging can be cycled back into supply chains, and preventing would-be waste from reaching landfills.

In a circular economy, products and systems are redesigned to reevaluate the very concept of waste. The concept aligns with long-standing principles such as waste hierarchies (reduce, reuse, recycle) and aims to keep products, components and materials at their highest utility and value at all times. The emphasis is placed on designing solutions from the beginning of a product's life to eliminate waste at its end. The concept is gaining momentum among businesses and industries. A fully circular economy not only reduces landfilled waste but also natural resource depletion, carbon emissions and pollution, and economic waste.

Areas to watch

The following are additional areas that conform to the goals of the Agency that staff will continue to monitor:

Right to Repair

Sixteen states have approved "Right to Repair" or "Fair Repair" legislation, which is designed to make it easier for people to repair their broken electronic equipment like cell phones, computers, appliances, and cameras. Any legislation would require manufacturers to release repair information to the public and sell spare parts to owners and independent repair shops. If passed, the laws would give consumers more options than just the manufacturer for repair.

Food Related Packaging

Food related packaging includes disposable food ware such as to-go containers, cups, cutlery, and straws, as well as packaging for grocery items, prepared foods, meal-kits, and increasingly produce. Depending on the type of packaging, it may impact the environment as litter, or present challenges to recycling and compost processes.

Mattress Recycling

As a follow up to the Mattress Bill SB 254 in 2013, there is an apparent need to work on providing “fixes” to the bill in order to include measurable goals for consumer convenience to dispose of used mattresses at no charge, to increase incentives to be meaningful in clean-up of illegal dumping of mattresses, and providing CalRecycle the tools necessary for monitoring and enforcement.

Deconstruction and Design for Disassembly

The ultimate goal of deconstruction is to capture materials removed at a building’s end-of-life at their highest value and reuse them in another construction project. Compared to demolition, it reduces waste generation and consumption of raw materials, along with associated environmental impacts. Programs, policies, and building codes can encourage or require deconstruction of existing buildings and build infrastructure to support material reuse, or cause new buildings to be designed for optimal disassembly and material reuse in the future.

Regulatory Work

The passage of several organics bills over the last few years, as well as the increased statewide focus on organics processing capacity and getting organics out of the landfill as a climate change strategy to reduce methane emissions, has raised the importance of prioritizing the development of new organics laws and regulations.

In September 2016, Governor Brown signed SB 1383 into law, which established targets to achieve a 50% statewide reduction in disposed organic waste by 2020, and a 75% reduction by 2025. In order to achieve those targets, CalRecycle is now conducting informal workshops in advance of the formal rulemaking process that is expected to begin next year. Although the regulations will not take effect until 2022, adopting rules in 2019 is intended to allow regulated entities approximately three years to plan and implement necessary budgetary, contractual, and other programmatic changes. StopWaste staff has been working with member agencies and has been actively participating and submitting comments as part of these workshops, and expects to continue such efforts as the formal rulemaking process commences next year.

CalRecycle is in the process of developing a set of guidelines and framework for mandatory packaging policy. Staff has been attending the workshops and will work closely with CalRecycle staff to provide input and mitigate local requirements and mandates.

Staff is also monitoring implementation of current regulations to provide input on existing EPR mechanisms that could be modified to work better, including mattress and carpet EPR, especially through our partnership with the California Product Stewardship Council.

Funding

This past July, state lawmakers approved a 10-year extension for California's landmark cap-and-trade program. The Budget Act of 2017 and AB 109 authorized an additional \$40 million appropriation from the Greenhouse Gas Reduction Fund for the California Department of Resources Recycling and Recovery (CalRecycle).

Staff will continue to monitor funding opportunities and advocate for cap and trade funds to be allocated to projects that reduce greenhouse gas emissions through waste reduction, recycled content manufacturing, composting, edible food recovery and increased organics processing capacity.

Partnerships

As always, we will collaborate with multiple partners, with our main legislative partners being Californians Against Waste and the California Product Stewardship Council. In addition, we are exploring new partnerships as we embark on work with food recovery infrastructure and packaging.

RECOMMENDATION

Confirm the legislative priority areas to include Extended Producer Responsibility (EPR), Organics Legislation and Regulation, and the Circular Economy.

DATE: January 24, 2018

TO: Waste Management Authority Board

FROM: Wendy Sommer, Executive Director

BY: Anu Natarajan, Legislative & Regulatory Affairs Manager

SUBJECT: Overview of Local Government Efforts Concerning Plastic Straws

SUMMARY

At the September 27, 2017 WMA Board meeting, the Board requested that staff report back with information concerning efforts at the local government level to regulate the distribution of plastic straws by businesses.

DISCUSSION

According to the National Park Service, it is estimated that Americans discard approximately 500 million plastic straws every day. Plastic straws, like other single-use disposable items such as soft drink bottles, plastic clamshell food containers, cigarette lighters and grocery bags are inexpensive to produce and have become ubiquitous. They also are of low economic value to recyclers, and as a consequence are less likely to be disposed of prudently and often end up littering beaches or polluting waterways. Plastic straws in particular have become ingrained in consumer culture, and are commonly provided with drinks by default, even though they may be unnecessary for consumption of the beverage being served. Most straws are made from a petroleum-based plastic called polypropylene. Due to their small size, straws also can be mistaken for food by animals and because of their shape, can cause suffocation and death to marine wildlife.

Nevertheless, advocates for the disabled community have cautioned that straws do play an important role in assisting the day-to-day lives of members of the public who suffer from various disabilities that impede their ability to use their hands or arms, or for others with various medical conditions such as recurrent cold sores, facial palsy, or temporomandibular joint dysfunction. As a result, such advocates caution against overly-restrictive regulations that would impede access to straws for those who need them.

A number of jurisdictions throughout the West Coast have been exploring or formally adopting regulations that incorporate various approaches to address this issue, including the cities of Berkeley, Alameda, Davis, Manhattan Beach, as well as Santa Cruz County and the City of Seattle. The breadth and scope of these regulations vary, with cities such as Davis taking a relatively modest approach by simply requiring that restaurants and businesses only distribute plastic straws when specifically requested by a customer. Other agencies, such as the cities of Manhattan Beach and Alameda have taken stronger approaches that include outright bans on the sale or distribution of

various plastic food service ware products, including drinking straws. The table below provides examples of jurisdictions with straw-related regulations and the specific approaches they have taken.

Municipality	Scope	Status
Davis	Requires dine-in restaurants to ask customers if they want beverage straws prior to providing them and to provide the straws only if explicitly requested	Ordinance Adopted: May 2017 Effective date: Sept. 1, 2017 Outreach to businesses: May 2017-Jan. 2018
Berkeley	The City is exploring creation of an ordinance prohibiting use of plastic straws in bars, restaurants and coffee shops	May 30, 2017: City Council directs Zero Waste Commission to explore issue Fall 2017: Zero Waste Commission Foodware Subcommittee discussing draft language
Alameda	Prohibits food vendors from providing single-use drinking straws to customers, unless specifically requested. Straws or disposable food ware that are supplied must be reusable, recyclable (i.e. aluminum), or compostable (i.e. paper)	Sept. 19, 2017: Revised Ordinance Adopted January 1, 2018: Effective date of new requirements July 1, 2018: Commencement of Enforcement
Manhattan Beach	Prohibits food providers from distributing or selling polystyrene food service ware, including polypropylene straws	April 1, 2014: Revised Ordinance Adopted
Santa Cruz County (applies only in unincorporated areas)	All take-away food service ware provided to customers must be recyclable or compostable, as certified by the Biodegradable Products Institute	January 1, 2017: Effective date of ordinance
Seattle	Prohibits distribution of plastic straws and utensils	July 1, 2018: Revised Seattle Public Utilities ordinance goes into effect

In addition to the above agencies that have adopted ordinances formally regulating the distribution of plastic straws or disposable food ware, there are many other communities where local non-governmental community organizations have spearheaded campaigns encouraging voluntary efforts to minimize or eliminate the use of plastic straws.

Examples of such voluntary efforts include:

1. Encouraging businesses to participate in national and local green certification programs such as Bay Area Green Business or [ReThink Disposable](#). Stop Waste is partnering with Clean Water Fund to launch 2018 ReThink Disposable to provide free assistance and reusable food ware incentive funding to help 10-15 businesses in Alameda County reduce single use packaging in the food service industry.
2. Encouraging residents to pledge to join the “[be straw free](#)” campaign and reduce waste by:
 - Asking for no straw when eating out or on the go
 - Purchasing and using reusable straws when needed
 - Encouraging others to go straw-free
3. Encouraging or requiring city-sponsored events to be straw free

4. Supporting programs like the Watershed Project, which is encouraging students to lobby local restaurants to reduce disposables
5. Supporting the [Ocean Litter Strategy](#) that is being organized by the State of California's [Ocean Protection Council](#)
6. Supporting legislation to address this issue.

Assemblymember Calderon recently introduced AB1884, a “straw on request only” bill at sit down restaurants. Staff will monitor and report on this bill as part of our legislative agenda.

At this point, staff recommends that any policy direction regarding this item be discussed in November, as part of the 2018-20 priority setting exercise.

RECOMMENDATION

This item is for information only.

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DATE: January 24, 2018

TO: Energy Council

FROM: Wendy Sommer, Executive Director

BY: Karen Kho, Senior Program Manager
Jennifer West, Program Manager

SUBJECT: 2018 PG&E Local Government Partnership Contract

SUMMARY

The Energy Council has an open contract with PG&E for Local Government Partnership activities, which was renewed in 2016 to be valid through December 31, 2018. In 2017, these activities included administering the East Bay Energy Watch Strategic Advisory Committee (EBEW SAC). Staff is recommending that the existing agreement with PG&E be amended by \$710,000 for continued administration of the East Bay Energy Watch Strategic Advisory Committee and programmatic coordination in 2018.

DISCUSSION

East Bay Energy Watch is a collaboration between PG&E and local governments, non-profit and for-profit energy service providers dedicated to providing energy efficiency solutions for residents and businesses throughout Alameda and Contra Costa Counties. The EBEW SAC is comprised of staff from jurisdictions in Alameda and Contra Costa Counties and, in partnership with PG&E, has decision-making authority over the activities and budget of the EBEW programs. The Energy Council Technical Advisory Group (TAG), which consists of staff representing the member agencies, has provided ongoing input on their priorities for Local Government Partnership activities and coordination with the East Bay Energy Watch (EBEW).

On August 3, 2017 the EBEW SAC approved 2018 activities and associated budget. The Energy Council will continue its administrative role with responsibilities for technical oversight of Strategic Energy Resource pilot projects and programmatic activities. The Energy Council will contract with consultants and non-profits for pilot program implementation and administer stipends to local governments. The scope of work for these tasks is described in more detail in Attachment A.

The Energy Council TAG supports this scope of work because it facilitates strategic planning and improved coordination of energy efficiency activities throughout the county. Staff will participate in SAC meetings and work to integrate program offerings for 2018 and beyond. Immediate program coordination opportunities exist in the commercial, municipal, residential and school sectors.

RECOMMENDATION

Adopt the attached Resolution authorizing the Executive Director to enter into a 2018 contract agreement with PG&E to continue the administration of the East Bay Energy Watch Strategic Advisory Committee and programmatic coordination in 2018 and other related actions.

Attachment A: Summary of 2018 PG&E Local Government Partnership Scope of Work

**ENERGY COUNCIL
RESOLUTION #EC 2018 –**

**MOVED:
SECONDED:**

AT THE MEETING HELD JANUARY 24, 2018

**RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO AMEND PG&E LOCAL
GOVERNMENT PARTNERSHIP CONTRACT AND OTHER RELATED ACTIONS**

WHEREAS, the Energy Council recognizes that it is in the interest of the local, regional, state, and federal agencies to stimulate the economy; create and retain jobs; reduce fossil fuel emissions; and reduce total energy usage and improve energy efficiency; and

WHEREAS, the Energy Council has embarked on an ongoing, coordinated effort to reduce the emissions that cause global warming, improve air quality, reduce waste, cut energy use and save money; and

WHEREAS, the Energy Council has entered into a Local Government Partnership with PG&E and has provided support to the East Bay Energy Watch (EBEW); and

WHEREAS, Alameda and Contra Costa County jurisdictions elected the Energy Council as the Independent Administrator of the EBEW Strategic Advisory Committee; and

WHEREAS, on August 3, 2017 Alameda and Contra Costa County jurisdictions approved the 2018 EBEW budget and programs; and

WHEREAS, the Energy Council will be awarded \$710,000 for administrative and program coordination activities as described in further detail in Attachment A;

NOW THEREFORE, BE IT RESOLVED, that the Energy Council hereby authorizes the Executive Director to:

1. Enter into all necessary contracts and agreements with PG&E in order to amend the current Local Government Partnership contract and add \$710,000 to that contract
2. Make any necessary changes to the FY 2017/18 budget for Project 1348: PG&E Energy Programs
3. Approve any required time extensions, modifications, or amendments thereto
4. Allocate the necessary resources to implement and carry out the amended scope of work

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSENT:

ABSTAINED:

WENDY SOMMER
Executive Director

Attachment A

2018 PG&E Local Government Partnership Scope of Work

East Bay Energy Watch Strategic Advisory Committee Administration

Independent EBEW Administrator core responsibilities include (but are not limited to) the items listed below:

- Convening the SAC and sub-committees
- Designing and facilitating SAC Strategic Planning activities
- Tracking and providing updates on CPUC and CEC regulatory activities
- Administering pass-through stipends to local governments
- Administering and managing Strategic Energy Resource (SER) pilot projects
- Coordinating EBEW programmatic activity with Energy Council, BayREN, East Bay Community Energy (EBCE) and ACWMA programs
- Supporting outreach and maintain EBEW website content
- Ensuring equitable resource distribution and decision-making between Alameda and Contra Costa Counties

Strategic Energy Resource Pilots

Strategic Energy Resource (SER) pilots are innovative projects supporting EBEW jurisdictions, approved by the Strategic Advisory Committee annually. They include:

- Civic Spark program – expanding capacity of staff with 12 fellows for 11 months in 14 jurisdictions (two fellows are shared between two jurisdictions)
- Energy efficiency innovation projects in Small Medium Business, residential, and municipal building sectors, such as:
 - Your Energy Manager – providing additional capacity for businesses to evaluate and pursue options for energy efficiency projects
 - High Efficiency Heat Pump Water Heater Project – installing 10 proof of concept projects in single family homes in the EBEW territory, with pre- and post-evaluation reporting
 - Climate Action Plan Data Inventory Project – providing consultant services to EBEW jurisdictions to support data inventory work in a coordinated effort
 - Green Business Program referrals – leveraging energy efficiency program participants and Green Businesses for cross-promotion
 - Community Youth Energy Services – provided by Rising Sun, green house calls encourage residents to reduce energy and water use while providing employment experience to local youth

The total 2018 contract budget is \$710,000

- \$150,000 will support Energy Council staff time and materials
- \$560,000 will be passed through as sub-contracts and stipends



DATE: January 24, 2018
TO: Energy Council
FROM: Wendy Sommer, Executive Director
BY: Karen Kho, Senior Program Manager
SUBJECT: BayREN Contract Amendments

SUMMARY

Staff is requesting Energy Council approval to issue additional rebates of \$146,250 for 2017 multifamily projects and authorization for the Executive Director to enter into a 2018 contract amendment with the Association of Bay Area Governments for an additional \$45,000.

DISCUSSION

2017 Contract: In January 25, 2017 the Energy Council approved the 2017 BayREN contract, which included authorization for issuing \$3,750,000 in incentives to 5,000 multifamily units in the Bay Area. At the end of December 2017, ABAG transferred an additional \$146,250 in incentive funding to the Agency to serve 195 more units that completed upgrades in 2017. Staff is requesting the spending authorization to issue these additional incentive checks.

2018 Contract: On December 20, 2017 the Energy Council approved a resolution authorizing the Executive Director to enter into a contract of up to \$6,023,966 for 2018 BayREN services. The scope of work includes administering the regional multifamily financing pilot program. ABAG will be issuing a contract amendment to increase the budget for the multifamily financing program by \$45,000.

RECOMMENDATION

Adopt the attached Resolution authorizing the Executive Director to enter into all necessary contracts and agreements with ABAG and make any necessary changes to the FY 2017/18 budget for Project 1347:BayREN.

Attachment A: Revised 2018 Multifamily Financing Budget

**ENERGY COUNCIL
RESOLUTION #EC 2018 –**

**MOVED:
SECONDED:**

AT THE MEETING HELD JANUARY 24, 2018

**RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ISSUE ADDITIONAL INCENTIVES AND
AMEND THE 2018 CONTRACT FOR BAY AREA REGIONAL ENERGY NETWORK (BayREN) AND OTHER
RELATED ACTIONS**

WHEREAS, the Energy Council recognizes that it is in the interest of the local, regional, state, and federal agencies to stimulate the economy; create and retain jobs; reduce fossil fuel emissions; and reduce total energy usage and improve energy efficiency; and

WHEREAS, the Energy Council was formed to seek funding to develop and implement programs and policies that reduce energy demand, increase energy efficiency, advance the use of clean, efficient and renewable resources, and help create climate resilient communities; and

WHEREAS, the California Public Utilities Commission (CPUC) has recognized the need for expanded collaboration with and participation by local governments to achieve market transformation toward energy efficiency as part of its Long Term Energy Efficiency Strategic Plan; and

WHEREAS, in its Decision 15-10-028, the CPUC authorized funding for Regional Energy Networks (RENs) to continue their existing programs with an annualized budget; and

WHEREAS, the Energy Council partnered with the Association of Bay Area Governments (ABAG) and eight other county representatives to implement the Bay Area Regional Energy Network (BayREN); and

WHEREAS, with ongoing input from the Energy Council Technical Advisory Group (TAG), the Energy Council represents Alameda County jurisdictions within BayREN; and

WHEREAS, Energy Council leads the regional multifamily rebate and financing programs for BayREN, and

WHEREAS, in December 2017 ABAG transferred \$146,250 of incentive funding to the Energy Council for an additional 195 multifamily properties to complete upgrades in 2017;

WHEREAS, ABAG intends to provide the Energy Council with an additional \$45,000 for financing technical assistance services as described in Attachment A;

NOW THEREFORE, BE IT RESOLVED, that the Energy Council hereby authorizes the Executive Director to:

1. Enter into all necessary contracts and agreements with ABAG and make any necessary changes to the FY 2017/18 budget for Project 1347: BayREN in order to accept:
 - a. \$146,250 in incentive payments
 - b. \$45,000 for multifamily financing assistance
2. Approve any required time extensions, modifications, or amendments thereto.
3. Allocate the necessary resources to implement and carry out the amended scope of work.

ADOPTED this 24th day of January 2018, by the following votes:

AYES:

NOES:

ABSENT:

ABSTAINED:

I certify that under the penalty of perjury that the foregoing is a full, true and correct copy of Resolution
#EC 2018 –

WENDY SOMMER
Executive Director

Attachment A
Revised 2018 Multifamily Financing Budget

Multifamily Capital Advance

Multifamily property owners can access zero percent interest capital to make energy efficiency improvements to multifamily buildings located within the Bay Area. Participating lenders match the program's capital by at least 50%.

The Energy Council will manage the Bay Area Multifamily Capital Advance Pilot (BAMCAP), including the following:

- Recruit lenders to participate in the program
- Promote the financing product to property owners
- Manage financing subconsultant
- Offer financing concierge to complement energy advising service
- Adapt program based on market need

The initial 2018 budget is being revised to reduce the marketing budget and increase funding for the financing concierge service.

Funding Category	Initial Budget	Amended Budget	Change
Administration	\$60,000	\$60,000	0
Implementation		\$65,000	\$65,000
Marketing	\$50,000	\$30,000	-\$20,000
Total	\$110,000	\$155,000	\$45,000

February 2018
Meetings Schedule

Alameda County Waste Management Authority, The Energy Council, & Source Reduction and Recycling Board

(Meetings are held at StopWaste Offices unless otherwise noted)

SUN	MON	TUES	WED	THURS	FRI	SAT
				1	2	3
4	5	6	7	8 9:00 AM Programs & Administration Committee 1. FY 16/17 Audit 2. UL/Fiscal Forecast Update <hr/> 7:00 PM Planning Committee & Recycling Board San Leandro Senior Center Key Items: 1. FY 16/17 Audit 2. Election of Officers 3. Quarterly Cash Report 4. Municipal Panel	9	10
11	12	13	14	15	16	17
18	19 AGENCY HOLIDAY	20	21	22	23	24
25	26	27	28 3:00 PM WMA Board & Energy Council Key Items: 1. FY 16/17 Audit 2. Quarterly Cash Report 3. Conservation Easement (tentative)			

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MEETING NOTES

Energy Council TECHNICAL ADVISORY GROUP (TAG)

Tuesday December 19, 2017 – 1:00 pm to 3:00 pm

Attendance:

County of Alameda: Sophie McGuinness

City of Alameda: Maria DiMeglio (phone)

City of Albany: Claire Griffing, Chelsea Polevy (Civic Spark)

City of Berkeley: Caytie Campbell-Orrrock

City of Dublin: Rebecca Parnes, Ciaran Gallagher (Civic Spark)

City of Emeryville: Nancy Humphrey

City of Fremont: Dan Schoenholz, Rachel DiFranco, Chelsea Marcell (Civic Spark)

City of Hayward: Erik Pearson, Ciaran Gallagher (Civic Spark)

City of Livermore: Patricia Pontau (phone)

City of Newark: Myvan Khuu-Seeman (phone)

City of Oakland: Ben Linthicum (Civic Spark), Mukta Kelkar (Climate Corps)

City of Piedmont: Cody Erickson (Civic Spark)

City of Pleasanton: Derek Lee (phone)

City of San Leandro: Sally Barros, Delaney King (Civic Spark)

StopWaste: Jennifer West, Karen Kho, Candis Mary-Dauphin, Miya Kitahara, Jeffery Liang, Ben Cooper, Lisa Pontecorvo

Guests: Annie Henderson, EBCE; Nicolas Chaset, EBCE; Matt Golden, Open EE; Tony Sirna, Citizen's Climate Lobby; Trisha Clifford, Citizen's Climate Lobby; Byron Pakter, Optony (phone)

Meeting Notes

East Bay Community Energy (EBCE), Annie Henderson

- Annie Henderson, Vice president of Marketing and Account services, provided updates on staffing and product launch timing. The Board of EBCE will approve the products (likely two options) with rates in February 2018. Commercial launch is in June 2018 with residential following in the fall. The Implementation Plan has been certified by the CPUC. Staff and stakeholders continue to develop team and risk policies, which will drive the mix of procurement moving forward. The call center will go live in March. In April municipal, commercial & early adopter services will launch. Nick Chaset, CEO of EBCE, also joined the meeting.

Open Energy Efficiency, Matt Golden

- Open EE partnered with EBCE and other organizations to submit a grant proposal to the California Energy Commission to run pay for performance programs. Due to the compressed timeline for the submittal, jurisdiction staff did not have the opportunity to weigh in on the

concept in advance. StopWaste staff coordinated with the proposal team to ensure that there was no duplication of existing programs.

- Open Energy Efficiency is working with utilities and CCA's in CA and around the country, programs & companies to use smart meter data to quantify the impact of efficiency upgrades and pay for performance programs. Distributed Energy Resources (DER) is key to solving the "duck curve" problem of supply of power peaking during the day and demand spiking later in the evening. Time and location matter when we consider energy consumption, and monthly averages of EE savings will not help us do the right thing. Can EE programs shift from incentives to pay for performance models? The platform (Open EE launching in January 2018) would allow aggregators to track impact and analyze resource adequacy and value – agnostic to customer financing and measure. Time and locational efficiency would then become a procurable resource. We will still need to use policy decisions to ensure valuable social justice outcomes.

Question and Answer on EBCE

- For outreach questions: ahenderson@ebce.org 510 214 2703
- Jurisdictional staff offered to support EBCE with larger companies with whom they already have established relationships. Include city Economic Development departments for outreach.
- Annie will send along content for city websites upon request.
- Hayward Council Members have been approached about using 100% clean energy mix as default. According to Nick, it's not too late for communities to consider this possibility. Given the phasing of EBCE's launch, if they think it is a priority, they can conduct surveys and get a sense of the risk of opt out and the level of concern around cost.
- The following jurisdictions are considering a 100% clean energy default opt out: Emeryville, Albany, Piedmont
- EBCE is examining many combinations of options that will help reach stakeholder priorities over time. Peninsula Clean Energy is giving themselves 8 years to work toward financial sustainability and build toward 100% renewable. EBCE can be more aggressive than the state, but without spiking rates so that customers will stay on board.
- Each community can consider its own priorities and EBCE can work with them on addressing them, tailoring offerings to the specific community needs.
- CCAs can use energy data to direct programs and look at things like carbon intensity. They have 15 minute interval data for each customer that they can use.

Citizens' Climate Lobby Presentation

- CCL is a national organization with over 400 chapters – 9 in the Bay Area. It is grass roots based with a goal to empower citizens in their democracy. Has almost 100,000 supporters, and doubling every year. Nonpartisan – working to grow conservative base and working with conservative legislators.
- CCL is promoting a carbon fee and dividend policy, where a fee is imposed based on embodied emissions that is returned to households.

- A research firm looked at the policy and its impacts on the economy, emissions, jobs, & health. After 10 years, the study projected a 31% decrease in emissions nationwide; with 2.1 million new jobs created in the first 10 years.
- Families would get about \$288 per month over 10 years in carbon dividend. Lower income households would come out ahead, since they generally consume less. 82% of the population would come out ahead – an even higher percentage in CA.
- CCL works with all levels of government, community groups, faith groups, and NGO's media, to change narrative around climate change and get endorsements on policy.
- This policy makes it cheaper to do the right thing for the climate. Economic stimulus would be result in the local area since our carbon reductions are so much lower than other areas.
- Alameda, Albany, Berkeley & Oakland have already passed resolutions in support of this policy. Claire can share her staff report from Albany.
- The fee and dividend would layer on top of CA's Cap and Trade program. It would further shift the trajectory of emissions. Fee and dividend is easier to implement than carbon pricing.
- A dividend check would give people a clear price signal – would hopefully drive additional reduction. In the model, researchers have seen that people spend the extra dividend money on healthcare.

Energy Council Board Updates

- The Board meets tomorrow 12/20/17. Rachel DiFranco (Fremont) and Jennifer West will do a short informational presentation on the EBEW policy paper.
- The 2018 BayREN contract will be considered for Board approval.
- TAG recommendations regarding coordination with EBCE:
 - EBCE is making rounds to city councils. Crucial for agency/jurisdiction staff to have direct communications with EBCE. Now that EBCE staff are being hired, this should be easier.
 - There is also a standing EBCE coordination item on the TAG agendas, and EBCE staff are invited to provide updates directly. Jennifer or any TAG member that attends EBCE Board meetings can also report out.
 - Staff can support EBCE board members best when they receive info directly. For example, in November some EBCE Board members requested support letters for a CEC grant proposal from their jurisdictions. (See Open EE agenda item above) Jurisdiction staff were unaware of the proposal and did not know if it was duplicative of existing programs.

BayREN Program Updates

- StopWaste is looking to find case studies and set up events for 2018. Reach out to community groups and attend their events.
- Multifamily Program is set to meet 2017 goal. Total units for Alameda County is 4,158. Two workshops fall 2017 – one in Livermore and one in Oakland (at StopWaste). A total of 23 people attended the workshops and generated 18 interest forms.

- Regarding contractor city logo misuse when marketing PACE - Fremont sent a C&D from its Lawyer.
- BayREN should take a lead in making sure PACE providers are doing due diligence with contractors. CaliforniaFIRST has not signed onto BayREN's Regional Collaborative Services Agreement. It claims to have robust agreements with contractors.
- The BayREN single-family program has unspent funds for 2017. There is an opportunity to buy energy saving devices that can support local marketing and outreach events. Contra Costa County is purchasing Do-It-Yourself kits. TAG expressed interest in smart power-strips, less interest in the DIY kits due to the lack of staffing support to run a comprehensive program.
- BayREN survey went out for 2018 forum topics. A HERS survey also went out for a new HERS registry project.

Electrification update

- Local Government Sustainable Energy Coalition (LGSEC) with Natural Resource Defense Council (NRDC) will be holding a webinar on High Efficiency Heat Pump Water Heaters (HPWH) in 2018.

Member Comments & Discussion

- Jeanne and Jeffery (of StopWaste) met with Fremont to talk about suite of residential programs that flow through StopWaste and how to market them to residents. Fremont would like to encourage that type of engagement with Member Agencies. Fremont would like to do a joint TAC/ TAG to see what each group does.

UPCOMING TAG MEETINGS: Tuesday, January 16, 2018 1:00 – 3:00 pm (third Tuesday)

MEETING NOTES

Energy Council TECHNICAL ADVISORY GROUP (TAG)

Tuesday January 16, 2018 – 1:00 pm to 3:00 pm

Attendance:

County of Alameda: Ryan Bell, Catherine Willett (Climate Corps)
City of Alameda: Maria DiMeglio (phone), Patrick Pelegri-O'Day (Civic Spark)
City of Albany: Claire Griffing, Chelsea Polevy (Civic Spark)
City of Berkeley: Caytie Campbell-Orrick, Bryce Henney (Civic Spark)
City of Dublin: Rebecca Parnes, Ciaran Gallagher (Civic Spark)
City of Emeryville: Nancy Humphrey
City of Fremont: Rachel DiFranco (phone), Chelsea Marcell (Civic Spark)
City of Hayward: Erik Pearson, Ciaran Gallagher (Civic Spark)
City of Newark: Myvan Khuu-Seeman (phone)
City of Oakland: Ben Linthicum (Civic Spark), Mukta Kelkar (Climate Corps)
City of Piedmont: Mira Hahn (phone), Cody Erickson (Civic Spark, phone)
City of Pleasanton: Derek Lee
City of San Leandro: Sally Barros, Delaney King (Civic Spark)
City of Union City: Avalon Schultz (phone)
StopWaste: Jennifer West, Karen Kho, Candis Mary-Dauphin, Miya Kitahara, Jeffery Liang, Ben Cooper (phone)
Guests: Annie Henderson, EBCE; Dan Lieberman, EBCE; Frances Yang, ARUP, Melanie Fornes, City of Pinole (Civic Spark); Byron Pakter, Optony

Meeting Notes

Introductions and brief updates

- The East Bay Energy Watch contract and a BayREN contract amendment will go to the board at the next scheduled meeting, which is on 1/24/2018.
- Upcoming meetings and announcements:
 - Green Cities California is hosting an electrification meeting on 1/23/18, 11:00- 12:00
 - An LGSEC Forum on microgrids will be held 1/25/18 in Los Angeles. Sustainable Cities Exchange will also hold a webinar on Microgrids on 1/25/18.
 - Climate Mayors circulated a letter addressed to the Federal government on the repeal of the Clean Power Plan. The deadline to sign on was this morning.
 - Electrify America (Volkswagen) Zero Emission Vehicle webinar on 2/1/18 2:00 pm on proposal guidelines for government entities

- BAAQMD 2018 funding update: likely to see draft solicitation in March 2018 with workshops
- BayREN Dashboard was shared
- StopWaste will send links to these events in a follow-up email
- EBEW Heat Pump Water Heater and GHG Inventory task forces are being launched in January. Interested TAG members should contact Jennifer.

East Bay Community Energy (EBCE) – Annie Henderson

- Dan Lieberman joined EBCE staff two weeks ago. He will be working with municipal accounts and managing account services. One of his first tasks is to reach out to the top 200 commercial and municipal accounts.
- The January 17 EBCE Board meeting will include a discussion of procurement, rates, and products. The board will eventually need to approve the procurement mix and rates, but these presentations are to start discussion and get reactions.
- Rates need to incorporate delivery, generation costs and also exit fees.
- EBCE Staff will meet with StopWaste staff to discuss the alignment of jurisdictions' CAP goals and EBCE strategies. At launch, EBCE does not plan to procure very much energy from within Alameda County as it will be obligated to shorter term contracts.
- Staff is putting forth four all-in cost options for board discussion on 1/17/18
 - Option 1 – 50% clean energy 30% RPS and 20% carbon free at \$49-51/MWh
 - Option 2 – 60% clean energy 35% RPS and 25% carbon free at \$51-53.50/MWh
 - Option 3 – 70% clean energy 40% RPS and 30% carbon free at \$52-54/MWh
 - Option 4 – 100% clean energy 50% RPS and 30% carbon free at \$52-54/MWh
- For the premium product, the goal is to get to 100% clean energy, sourced either from the state of California only, or expanded to the Western Electricity Coordinating Council. A California only power mix would cost more.
- The discount offered will determine the profit. The more profit, the more funding available to reinvest into the local community.
- EBCE staff will be presenting a third product to the Board. These could include: marketing of Bright Choice and Brilliant 100; developing customized solutions that facilitate large commercial customer needs; adding an option that has the same power mix as bright choice, but at a rate similar to Brilliant 100, with a price premium that goes to a local development fund; developing a community shared solar program, which would not launch immediately.
- TAG expressed interest in having a procurement webinar after the board has made a decision.
- Annie can get more information regarding the review of the emissions factors associated with the options being explored.
- The week of January 29th StopWaste will pull together a smaller group of stakeholders to discuss the local business development plan and the energy efficiency assessment chapter (comments are due 2/9/18).

CAP Coordination

- Miya Kitahara summarized information gathered at the Climate Action Planning work session in November, available on Dropbox. Any revisions are requested by 1/19/18.
- Claire Griffing provided an update on the City of Albany's CAP RFP. CAP and adaptation goals have been written into the new general plan.
- Patrick Pelegri-O'Day, Alameda Civic Spark Fellow, reviewed the CAP RFP process. In May, City of Alameda staff received a directive to update 2008 climate plan. Staff used vulnerability assessment money to do an assessment and workshops to get stakeholder buy in and discussion on interconnections between mitigation and adaptation. Lessons learned: a more formal stakeholder engagement process for scope development and more pre-work on goal development would have been advantageous.
- Caytie Campbell-Orrrock summarized the Berkeley City Council presentation (12/7/17), with an overview of emissions trends, and long-term strategies.
 - Collaborating at a state, regional and local level helps with benefits and resiliency, including green job training and social benefits.
 - Currently, Berkeley is not on target to meet 2050 goal.
 - To reach goals, the city plans to: reduce energy use, move to cleaner electricity (with EBCE), electrify transportation & buildings with more electric vehicles and electric heat pumps. The current barriers: EE programs are prohibited from incentivizing electrification and an outdated grid.
 - The city is working toward an EV strategic plan, and looking into funding. Dublin is considering the development of an EV strategic plan as well.

Circular Economy in the Built Environment: Report update and TAG input

- StopWaste is working with Arup on a report that will include case studies and local government potential actions, funded by the Ella Macarthur foundation.
- CE is about moving away from a linear economy (take, make, use, dispose), and StopWaste's focus is on built environment and materials.
- In practice, a circular building in the US would mean a lot more activity in disassembly, sourcing and design. Circular economy strategies include: renting or providing services instead of purchasing; buildings designed to be disassembled; organics recovery; product passports and asset management, which holds information about the building and its materials that are digitized
- A draft is on Dropbox for review and input.
- TAG was divided into 3 discussion groups to discuss prioritization of government actions, points of caution to keep in mind, and what is missing.
 - The TAC should be looking at this report as well.

Dell Launches World's First Ocean Plastics Supply Chain

by Leon Kaye (<http://www.triplepundit.com/author/leon-kaye/>) on Wednesday, Dec 13th, 2017 🌐 CLIMATE & ENVIRONMENT
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🖨️ (<https://www.triplepundit.com/2017/12/dell-launches-worlds-first-ocean-plastics-supply-chain/#print>)



Today, Dell announced that it will work with several of the world's leading brands to develop what it describes as the world's first commercial-scale, ocean-bound plastics supply chain. Companies like Adidas might quibble with that claim (<https://www.triplepundit.com/2017/04/another-line-shoes-made-ocean-plastic-adidas-launches-soon/>), but we see it as good news all around.

Beyond simply collecting plastic, this program includes an education program that seeks to heighten awareness about the dangers plastic impose on oceans and marine life. In addition, each company participating in this initiative, named NextWave (<http://nextwaveplastics.org/>), has pledged to reduce its plastic footprint while reducing or eliminating consumption of single-use and non-recyclable plastics.

Brands participating in NextWave include General Motors, Herman Miller, Interface and Trek Bikes. UN Environment and the NGO Lonely Whale (<https://www.lonelywhale.org/>) are also participating in this initiative.

For Dell, this program builds upon the several years of work it has invested (<https://www.triplepundit.com/2013/01/dell-sustainable-packaging/>) in creating more sustainable and recyclable packaging (<https://www.triplepundit.com/2011/10/dells-investment-sustainable-packaging-earns-certified-recyclable-rating/>), as well as striving to achieve a more closed-loop system (<https://www.triplepundit.com/special/circular-economy-and-green-electronics/how-dell-is-closing-the-loop/>) within its supply chain.

On its own web site, Dell has projected statistics that suggest over 86 million tons, or 5 trillion pieces of plastic, are currently in the world's oceans. Estimates suggest about 8 million tons of plastic waste wash up in oceans – an amount that could increase to 150 million tons by 2025. By mid-century, there could be more plastics in the world's oceans (https://www.huffingtonpost.com/entry/oceans-plastic-fish-2050_us_569e9963e4b00f3e986327a0) than fish.

The organizations coalescing around the NextWave initiative suggest that if their plan succeeds, they could prevent 3 million pounds of plastics from entering the oceans by 2023 – the equivalent of eliminating 66 million water bottles from ending up at sea. That is a relatively small drop in the morass of ocean plastic that is ruining oceans, but if similar efforts (<https://www.wired.com/insights/2014/12/can-technology-help-clean-up-the-oceans/>) can continue to launch worldwide, marine ecosystems may actually stand a chance in the long run.

Dell says the origin of this program lies into the relationship it developed with Lonely Whale back in 2015. That partnership eventually led to an ocean plastics recycling program (<http://www.dell.com/learn/us/en/id/press-releases/2017-02-22-dell-announces-ocean-plastics-shipment>) the company started in February. For that pilot project, salvaged ocean plastic has been blended with other recycled plastic resins to mold trays used for shipping. The company concluded that during 2017, this program will prevent 16,000 pounds of plastic from entering oceans.

These programs are additional steps Dell says is it taking with a goal to only use 100 percent sustainable packaging by 2020. According to the company, Dell is the only computer hardware manufacturer to offer computers and monitors made out of both recycled e-waste plastics and carbon fiber.

The organizations participating in NextWave insist their cooperation can help move industry closer to a circular economy.

"I am so proud to see our partnership with Dell continue to grow and inspire companies across industries to use their capabilities to address ocean health," said Adrian Grenier, founder of Lonely Whale. "This is no individual company's problem; this impacts every human being and company, and it is incredible to see these industry leaders coming together."

Image credit: Dell/Flickr

(<https://www.flickr.com/photos/dellphotos/31849240874/in/album-72157676264006494/>)

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By 2025, all of McDonald's Packaging to Come from Renewable, Recycled or Certified Sources; Goal to Have Recycling Available in All Restaurants

Oak Brook, IL – Today, McDonald's announces goals to improve its packaging and help significantly reduce waste to positively impact the communities the company serves around the world.

By 2025, 100 percent of McDonald's guest packaging will come from renewable, recycled, or certified sources with a preference for Forest Stewardship Council certification. Also by 2025, the company has set a goal to recycle guest packaging in 100 percent of McDonald's restaurants. McDonald's understands that recycling infrastructure, regulations and consumer behaviors vary city to city and country to country around the world, but it plans to be part of the solution and help influence powerful change.

This expands upon McDonald's existing goal that by 2020, 100% of fiber-based packaging will come from recycled or certified sources where no deforestation occurs.

"As the world's largest restaurant company, we have a responsibility to use our scale for good to make changes that will have a meaningful impact across the globe," said Francesca DeBiase, McDonald's Chief Supply Chain and Sustainability Officer. "Our customers have told us that packaging waste is the top environmental issue they would like us to address. Our ambition is to make changes our customers want and to use less packaging, sourced responsibly and designed to be taken care of after use, working at and beyond our restaurants to increase recycling and help create cleaner communities."

To reach these goals, McDonald's will work with leading industry experts, local governments and environmental associations, to improve packaging and recycling practices. Together they will work to drive smarter packaging designs, implement new recycling programs, establish new measurement programs and educate restaurant crew and customers.

As Tom Murray, Vice President of EDF+Business at Environmental Defense Fund noted, "Nearly three decades ago, McDonald's and EDF teamed up to tackle solid waste and accelerate innovation in packaging. Along the way, we pioneered a new partnership model for companies and nonprofit organizations. Today, McDonald's continues to raise the sustainability bar by setting ambitious goals and collaborating with partners across the value chain for maximum impact."

"McDonald's global preference for Forest Stewardship Council (FSC) certified materials demonstrates their far-reaching commitment to source packaging that benefits people and forests around the world," said Kim Carstensen, director general of the Forest Stewardship Council. "The partnership between McDonald's and FSC – the world's most trusted certification of forests and forest products – also creates a uniquely powerful opportunity for McDonald's to engage customers about simple ways to protect forests," he added.

Adds Sheila Bonini, Senior Vice President, Private Sector Engagement, World Wildlife Fund, "Smarter waste management begins with improved sourcing, increased value chain collaboration and better communication with customers. Today's announcement demonstrates McDonald's strong leadership in developing packaging and recycling solutions at a scale that can extend the life of our natural resources and push its industry toward more sustainable practices."

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McDonald's first began its focus on sustainable packaging nearly 25 years ago with the establishment of the groundbreaking partnership with EDF. The initiative eliminated more than 300 million pounds of packaging, recycled 1 million tons of corrugated boxes and reduced waste by 30 percent in the decade following the partnership. In 2014, the company joined WWF's Global Forest & Trade Network program and set its fiber sourcing targets, including FSC preference for packaging made from wood fiber.

Currently, 50 percent of McDonald's customer packaging comes from renewable, recycled or certified sources and 64 percent of fiber-based packaging comes from certified or recycled sources. Also, an estimated 10 percent of McDonald's restaurants globally are recycling customer packaging.

"We look forward to doing more and continuing to raise the bar on what it means to be a responsible company committed to people and the planet," DeBiase said.

About McDonald's

McDonald's is the world's leading global foodservice retailer with over 37,000 locations in over 100 countries. Over 90 percent of McDonald's restaurants worldwide are owned and operated by independent local business men and women.

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the guardian



\$180bn investment in plastic factories feeds global packaging binge

Colossal funding in manufacturing plants by fossil fuel companies will increase plastic production by 40%, risking permanent pollution of the earth

Matthew Taylor

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The global plastic binge which is already causing widespread damage to oceans, habitats and food chains, is set to increase dramatically over the next 10 years after multibillion dollar investments in a new generation of plastics plants in the US.

Fossil fuel companies are among those who have ploughed more than \$180bn since 2010 into new “cracking” facilities that will produce the raw material for everyday plastics from packaging to bottles, trays and cartons.

The new facilities - being built by corporations like Exxon Mobile Chemical and Shell Chemical - will help fuel a 40% rise in plastic production in the next decade, according to experts, exacerbating the plastic pollution crisis that scientist warn already risks “near permanent pollution of the earth.”

“We could be locking in decades of expanded plastics production at precisely the time the world is realising we should use far less of it,” said Carroll Muffett, president of the US Center for International Environmental Law, which has analysed the plastic industry.

“Around 99% of the feedstock for plastics is fossil fuels, so we are looking at the same companies, like Exxon and Shell, that have helped create the climate crisis. There is a deep and pervasive relationship between oil and gas companies and plastics.”

Greenpeace UK’s senior oceans campaigner Louise Edge said any increase in the amount of plastic ending up in the oceans would have a disastrous impact.

“We are already producing more disposable plastic than we can deal with, more in the last decade than in the entire twentieth century, and millions of tonnes of it are ending up in our oceans.”

The huge investment in plastic production has been driven by the shale gas boom in the US. This has resulted in one of the raw materials used to produce plastic resin - natural gas liquids - dropping dramatically in price.

The American Chemistry Council says that since 2010 this has led to \$186bn dollars being invested in 318 new projects. Almost half of them are already under construction or have been completed. The rest are at the planning stage.

“I can summarise [the boom in plastics facilities] in two words,” Kevin Swift, chief economist at the ACC, told the Guardian. “Shale gas.”

He added: “There has been a revolution in the US with the shale gas technologies, with the fracking, the horizontal drilling. The cost of our raw material base has gone down by roughly two thirds.”

The findings come amid growing concern about the scale of plastics pollution around the world. Earlier this year scientists warned that it risked near permanent contamination of the planet and at a UN environment conference in Kenya this month the scale of plastic in the sea was described as an “ocean armageddon”.



Plastic waste washed up on the coast of the Philippines.
Photograph: Jes Aznar/Getty Images

In June a Guardian investigation revealed that a million plastic bottles are bought around the world every minute with most ending up in landfill or the sea. Earlier this month, UK environment secretary Michael Gove said reducing plastic pollution was a key focus, adding that he had been “haunted” by images of the damage being done from David Attenborough’s Blue Planet II TV series.

However, campaigners warn that despite the rising tide of concern, powerful corporations are pressing ahead with a new generation of plastic production facilities that will swamp efforts to move the global economy away from single use, throw away plastic products.

Steven Feit, from the Centre for Environmental International Law which has researched the impact of the US shale boom on plastics, said: “The link between the shale gas boom in the United States and the ongoing - and accelerating - global plastics crisis cannot be ignored.

“In the US, fossil fuel and petrochemical companies are investing hundreds of billions of dollars to expand plastic production capacity... All this buildout, if allowed to proceed, will flood the global market with even more disposable, unmanageable plastic for decades to come.”

Although the majority of the new investment is in the US, the impact will ripple outwards in the form of vast new supplies of raw materials for plastics being transported to Europe and China.

Petrochemical giant Ineos has been shipping natural gas liquids from the US to cracking plants in Europe and the UK on huge “dragon ships” for the past year.

Last month the company announced it will ship the first NGLs from the US to China in 2019 where it will be turned into plastic resin at a new cracking facility in Taixing China.

Roland Geyer, from the University of California at Santa Barbara, was the lead author of a study earlier this year revealing that humans have produced 8.3bn tonnes of plastic since the 1950s, with the majority ending up in landfill or polluting the world’s oceans and continents. The report warned that plastic, which does not degrade for hundreds of years, risked “near-permanent contamination” of the earth.

He said he was deeply troubled by the expansion in plastic production.

“I am now all but convinced that the plastic waste/pollution problem will remain unmanageable without serious source reduction efforts,” he told the Guardian. “Building out production capacity is obviously the opposite of source reduction.”

But experts believe the new facilities will lock in an increase in plastic production for years to come.

Matthew Thoele, executive director at IHS Markit analysts in Germany and an expert in the global chemical industry, said the expansion in the US would be a critical part of a 40% increase in global plastics production over the next decade.

“This will help meet growing demand for plastic in the existing big markets of the US, Europe and China as well as a predicted steep increase in demand in India and south east Asia,” he said.

But the American Chemistry Council said the plastics boom had brought huge economic benefits to the US creating hundreds of thousands of jobs and allowing the manufacture of a wide range of important products from medical supplies to auto parts, piping to technology.

Steve Russell, vice president of plastics for the American Chemistry Council also defended the environmental impact of plastic, citing a study from 2016 that found using plastic reduces environmental damage.

“Advanced plastics enable us to do more with less in almost every facet of life and commerce. From reducing packaging, to driving lighter cars, to living in more fuel-efficient homes, plastics help us reduce energy use, carbon emissions and waste.”

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