

AGENDA CITY OF EL SEGUNDO ENVIRONMENTAL COMMITTEE

MEETING LOCATION: CITY HALL – WEST CONFERENCE ROOM 350 Main Street, El Segundo

The Environmental Committee, with certain statutory exceptions, can only take action upon properly posted and listed agenda items. The public can only comment on City-related business that is within the jurisdiction of the Environmental Committee and/or items listed on the Agenda during the Public Communications portion of the Meeting. Additionally, the Public can comment on any Public Hearing item on the Agenda during the Public Hearing portion of such item. The time limit for comments is five (5) minutes per person. *Before speaking to the Environmental Committee, please state: Your name and residence and the organization you represent, if desired. Please respect the time limits.*

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Jasmine Allen, Senior Management Analyst, 310-524-2365. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

REGULAR MEETING OF THE EL SEGUNDO ENVIRONMENTAL COMMITTEE FRIDAY, March 6, 2020 – 12:00 P.M.

- **1.** CALL TO ORDER
- 2. ROLL CALL
- **3.** PUBLIC COMMUNICATIONS (Related to City Business Only and for which the Committee is responsible **5 minute limit per person, 30 minute limit total)** While all comments are welcome, the Brown Act does not allow the Environmental Committee to take action on any item not on the agenda. Environmental Committee members may respond to comments after Public Communications is closed.

4. NEW BUSINESS: None

- a. Chef Hannes will share his composting experience and community composting ideas for El Segundo.
- **5. REPORTS: PUBLIC WORKS** this portion of the agenda is for City staff to provide brief reports to the Committee. These are "receive and file," non-action items only. Any actions needed to be taken must be included on an upcoming agenda.
 - a. Public Works to update the Committee on their meeting with Tracey and Corrie regarding the "Environmental Resources" new website pages.
 - b. Public Works to inform the Committee that Planning and Building Manager will attend the April meeting to learn about Committee's findings and recommendation regarding Green Buildings.
 - c. Public Works to request all April 21st "EC Council Update" documents be submitted by March 23rd (attached Overview created by EC).

6. ACTION ITEMS:

a. Environmental Committee Presentation for City Council: committee to review presentation draft and vote on sharing with Council during next scheduled update

7. REPORTS: ENVIRONMENTAL COMMITTEE MEMBERS – this portion of the agenda is for members to discuss various ideas and for subcommittees established by the Committee to provide brief reports on the work being done by the subcommittee. These are "receive and file," non-action items only. Any actions needed to be taken must be included on an upcoming agenda.

a. Work Plan: Committee members to update on their progress and discuss strategy for top five committee goals:

1. Solid Waste Reduction/Elimination of Single-Use Plastics (Caroline Hawks/Tracey Miller-Zarneke): present final committee draft of Single-Use Plastics Educational Packet and discuss ideal roll-out plan (attached).

2. Green Business Recognition Program (Corrie Zupo): provide update regarding the discussion with Chamber of Commerce and next steps.

3. Water Conservation (Rachel McPherson): discuss research progress.

4. Green Construction Standards (Kristin Faivre/Sarah Brockhaus): discuss additional work in progress (attached).

- b. Smoking Ban (Kevin Maggay): discuss research in progress.
- c. 2020 Earth Day: committee to establish plans for 2020 Earth Day activities, including hosting a booth at the Farmers Market (Thursday, April 23)
- **8.** CONSENT AGENDA: Approval of February 7, 2020 Committee Meeting Minutes. Recommendation: Approval.

9. ADJOURNMENT



EL SEGUNDO ENVIRONMENTAL COMMITTEE UPDATE TO CITY COUNCIL

DRAFT, Spring 2020



ENVIRONMENTAL WORK PLAN

• Tool Box for Building a Greener Community

- Scope of Plan
 - Energy Conservation
 - Solid Waste Reduction
 - Urban Planning and Development
 - Hazardous Waste
 - Transportation
 - Air Quality
 - Water Conservation
 - Governance
- Aligned with SBCCOG Climate Action Plan goals

ENVIRONMENTAL WORK PLAN

Status of Top Five Committee Goals:

- Solid waste reduction: pursue elimination of single-use plastics
- Establish Green Business Recognition Program
- Expand water conservation efforts
- Develop policy to set green construction standards
- Investigate joining Clean Power Alliance

ENVIRONMENTAL WORK PLAN

Other Committee Tasks:

- Researching proposed Desalination Project
- Connecting with AQMD regarding Rule 1180 Community Air Monitoring Project
- Leaning on LA County to keep our beach facilities cleaner, provide bike racks
- Researching options to create more local CRV and blow-away plastic waste recycling resources
- Continuing discussions about use of Round-Up
- Exploring Smoking Bans

CITY PARTNERSHIP

Knowing our city already has great environmental challenges based on its surrounding heavy impact industry, we must do what we can to offset that and to place us on the greener path for generations to come.

Continue to support/partner with other departments, committees and commissions

 Hope to see City Staff add an Environmental Manager at some point to make this an official part of government at a higher level—it's a big responsibility!

COMMUNITY OUTREACH

- Here to create community interactions that can affect positive personal and, in turn, municipal change.
- Shifting the culture and mindset to be more aware of how urban development and human behavior affect our environment will better protect our future.

The Scoop on Single-Use Plastic

El Segundo Environmental Committee

It's been making headlines, but if you missed it...

Our planet is experiencing a single-use plastic crisis!

Let's take a look at what's going on:

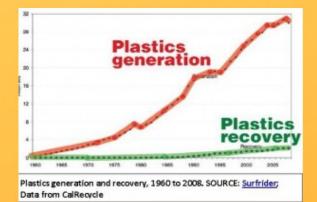
Our society has championed convenience at an ever-increasing rate. Along with that comes waste, often in the form of plastics.

Plastic isn't just in the usual suspects like throwaway cutlery, water bottles, to-go boxes, and straws - it's even found in some tea bags, hygiene products, and synthetic clothing fabrics!



- 8 BILLION TONS of plastic produced since 1950
- Only about 9% of all plastics are actually recycled
- 4.8 to 12.7 million tons of plastic enter ocean yearly
- Annual Plastic Use Per Person
 U.S.: 176 lbs, Europe: 132 lbs, India: 4.4 lbs
- Recycling markets are unstable, changing, and collapsing. Western countries used to ship their plastics to faraway places like countries in Asia, but now they are refusing to become the world's dumping grounds, and materials are often sent back.





Overconsumption of plastic waste finds its way to unideal places like:



Bodies of animals and humans





Ballona Creek, Playa Vista, LA



Oceans and rivers





When it comes to plastic, there is no "away."



When plastics end up in the environment, they don't biodegrade. They continue to break down into smaller and smaller pieces, some invisible to the human eye, aka *microplastics*.

When they become this tiny, they are very easily ingested by animals or end up in other places. Microplastics have been detected in water, salt, beer, and other items we regularly consume. They've even been found in the air, rain, and distant mountains. A recent report wrote that humans consume about a credit card-sized worth of plastics each week.

Plastics also accumulate and are vehicles of toxic chemicals, and will release these into water, nature, or our bodies.

That's a lot of intense information! And there are other externalities:

Externalities are hidden or associated costs with a system or material.

Plastics are made from oil. Using disposable plastics continues reliance on the fossil fuel industry, contributing to the climate crisis. This also reinforces an industry that impacts habitat degradation and risky oil spills. Consider the emissions generated to ship the oil to process and then ship the plastic products to stores around the world, to end up tossed in the trash or with a very slim chance of recycling after just one use!



What is El Segundo Doing To Help Combat The Single-Use Problem?

"Upon Request" Policy for Single-Use Plastic Straws, Stirrers and Utensils

The City of El Segundo and its City Council want to do their part in reducing litter and the use of single-use plastic products which have been found to cause significant environmental harm. On January 21, 2020, City Council adopted an ordinance requiring food and beverage providers in the City follow an "upon request" policy for single-use plastic products. Per this new ordinance, food or beverage providers may not provide single-use plastic straws, utensils or stirrers to a customer, except when the customer requests. *The City will begin enforcing the new ordinance on May 20, 2020*.

You've Got This!! Switching to reusables, bulk items, refusing, and reducing can help!

The best thing you can do is utilize reusables you *already* own! We all probably have a reusable water bottle in a cabinet somewhere. For items you don't have, there are great swaps out there to move away from single-use disposable plastic! Like anything new, it will take intention and practice, but this will become an easy habit in no time!



Feeling stuck or need more specific tips? Get in touch with the ES Environmental Committee and we'll be happy to point you towards ideas and solutions!



Reach out to the El Segundo Environmental Committee for more information, tips, and other green topics!

Visit our page on the city's website for resources and contact information: www.elsegundo.org/government/departments/public-works/environmentalresources-and-committee

El Segundo Green Building

PREPARED BY THE EL SEGUNDO ENVIRONMENTAL COMMITTEE

What is Green Building?

- A holistic concept that starts with the understanding that the built environment can have profound effects, both positive and negative, on the natural environment, as well as the people who inhabit buildings every day. Green building is an effort to amplify the positive and mitigate the negative of these effects throughout the entire life cycle of a building."*
- The planning, design, construction, and operations of buildings with central considerations:
 - energy use,
 - water use,
 - indoor environmental quality,
 - material selection, and
 - the building's effects on its site.*



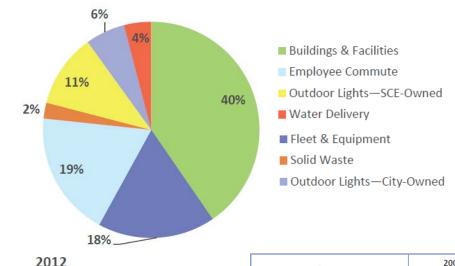
El Segundo's Climate Action Plan

- Prepared by the South Bay Cities Council of Governments
- Adopted by the City via Resolution on November 21, 2017
- Tool to identify community-wide strategies to lower GHG Emissions
- Aligns with the State's goals and anticipated policy development
- Selected Strategies Land Use and Transportation, Energy Efficiency, Solid Waste, Urban Greening, Energy Generation & Storage



El Segundo's Climate Action Plan

- Potential to accomplish reduction of 49% below 2005 levels by 2035
- Buildings & Facilities accounted for 40% of municipal GHG emissions (2012)
- Commercial & Residential Energy use rose by 27.4% and 2.6% respectively from 2005 to 2012
- Measures in El Segundo's CAP cover green building on a variety of fronts



Sector	2005 (MT CO ₂ e)	2012 (MT CO ₂ e)	% Change 2005 to 2012
Commercial Energy	327,488	417,367	27.4%
On-Road Transportation	231,200	245,360	6.1%
Residential Energy	24,758	25,392	2.6%
Solid Waste	19,297	12,350	-36.0%
Off-Road Sources	482	774	60.6%
Water	166	33	-80.1%
Wastewater	65	51	-21.5%
Total	603,456	701,327	16.2%

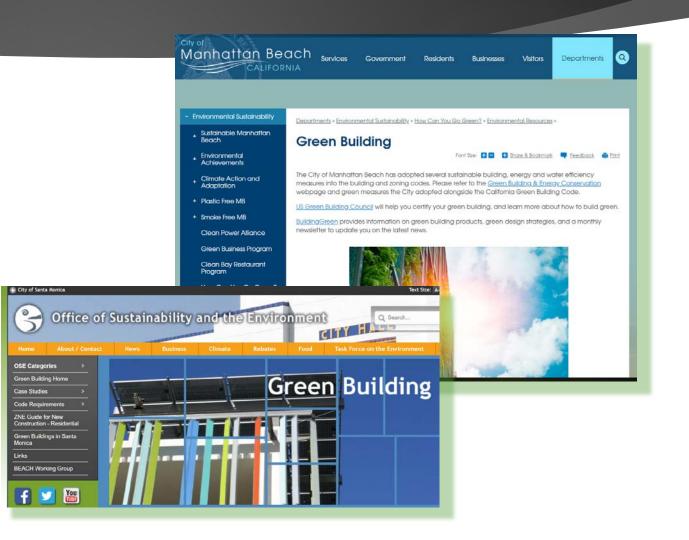
Source: El Segundo Climate Action Plan (page 13)

Green Building Considerations

- Education and Outreach
- Rebates and Incentive programs
- ► Green Building Codes
- ► REACH Codes

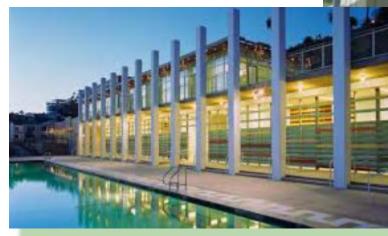
Education and Outreach

- Website Content and Events
- Neighboring City Examples:
 - City of Manhattan Beach
 - City of Santa Monica
- Public Forums
 - South Bay Environmental Services Center: Green and Sustainable Curriculum, Certificate and Degree Programs



Education – Case Studies

- Santa Monica Locations
 - Civic Center Parking Structure
 - ▶ Pico Branch Library
 - Annenberg Beach House





Rebates and Incentive Programs

Rebate and incentive Options

- Expedited permitting process for green projects
- Rebate programs
- Neighboring City examples:
 - Culver City's Green Zone Incentive Program:
 - Culver City plan check and permit fees in an amount not to exceed \$5,000 per project may be waived for energy efficiency improvements
 - ► City of Hermosa Beach:
 - ▶ 50% of permit fee for zero net energy, energy upgrade;
 - 50% when you install one, or 100% when you install two or more of: EV Charging; Photovoltaic Solar; Small Wind System; Renewable Battery Storage
 - 50% off fee for demonstration of new technology, materials, or construction method designed to reduce water, waste, or energy use and agreement to share results/feedback

Green Building Codes

- Green Building Codes seek push building design and construction standards to new levels of sustainability and performance
 - Prescriptive (materials and equipment meeting certain levels of stringency) *
 - Performance-based (require achievement of particular results)*
- California Green Building Code (CALGreen) Title 24, Part 11 California Code of Regulations
 - Applies to planning, design, operation, construction, use, and occupancy of every newlyconstruction building or structure on a statewide basis; also applies to alterations which increase building's conditioned area, volume, or size**
 - Consideration of recent/upcoming standards associated with CALGreen

Green Building Codes

- Neighboring City examples:
 - City of Manhattan Beach:
 - ► Green Building Code effective January 2017
 - Adopts USGBC LEED green building rating system as standard
 - Requires LEED certification based on project type/size as outlined in table
 - Code also contains additional requirements to that of CALGreen



Manhattan Beach Green Building Code

Project Type/Size	Certification Requirement
New City Buildings =/>5,000 SF	LEED Gold
Renovations City Buildings =/>5,000 SF	LEED Gold
New Non-residential Buildings =/> 10,000 SF	LEED Silver
Renovations Non-residential =/> 10,000 SF	LEED Silver

Green Building Codes

More examples:

- ► Culver City:
 - ► Green Building Code effective 2009
 - Adopts green building checklist requirements and USGBC LEED green building rating system as standard based on project size
 - Code also contains additional specific requirements to that of CALGreen
- Los Angles County
 - As of late 2016, all LA County new construction projects over 10,000 gross square feet or more are required to be LEED Gold

Culver City Green Building Code				
Project Type/Size	Requirement			
Category 1 All New Buildings & Major Renovations =/<49,999 SF	Must comply with at least 80% of 25 item Checklist Applicability of items determined by Building Official on per project basis			
Category 2 All New Buildings & Major Renovations =/>50,000 SF	LEED Certified			

REACH Codes

- Energy codes that "reach" beyond state minimum requirements for energy use in design and construction*
- ► City of Santa Monica:
 - New Construction Energy & Green Building Reach Code

 Code Compliance Pathways (all-electric or mixed-fuel)
 higher standard for efficiency and solar for designs
 that include natural gas use**
 - Policy for Municipal Buildings:
 - ► LEED Gold Certification
 - Net-Zero Energy Certification from International Living Future Institute
 - Zero potable water use for non-potable end uses

Effective January 1, 2020 Santa Monica New Construction	Code Compliance Pathways*		
Energy & Green Building Reach Codes See SMMC 8.36 & SMMC 8.106	All-Electric	Mixed-Fuel (Electric & Natural Gas)	
Single-Family & Multi-Family (3 stories or less)	Efficiency + Solar: Meet State Code (no local reach code)	 Efficiency + Solar: Must meet CalGreen Tier 1 Achieve a Total Energy Design Rating of ≤ 10 Complete Quality Insulation Installation (QII) Plus one of the following: Roof deck insulation or ducts in conditioned space; or High-Performance Walls; or HERS-Verified Compact Hot Water Distribution with Drain Water Heat Recovery 	
Multi-Family (4+ stories) & Hotel	Efficiency: Meet State Code Minimum Solar: 2 watts/sq. ft. of bldg. footprint	Efficiency: 5% better than State code Minimum Solar: 2 watts/sq. ft. of bldg. footprint	
All Other Non-Residential	Efficiency: Meet State Code Minimum Solar: 2 watts/sq. ft. of bldg. footprint	Efficiency: 10% better than State code Minimum Solar: 2 watts/sq. ft. of bldg. footprint	
New Heated Pools	Heat-pump and/or Solar	N/A, Gas Pool Heating Prohibited	
Major Additions	Solar for Single Family/Duplexes: 1.5 watts/sq. ft. of addition Solar for all others: 2 watts/sq. ft. of addition's footprint		

* All Projects: Title 24 Certificate of Compliance must be authored by a Certified Energy Analyst (CEA).

More on LEED

- LEED (Leadership in Energy and Environmental Design) is a third party green building certification and the most widely used and adopted green building standard in the world.
 - An industry-recognized & familiar standard among industry professionals & public/private entities
 - Private and public entities with LEED policies/requirements:
 - ▶ UCLA, Starbucks, Google & Facebook
 - Comments from Manhattan Beach on developer and contractor adoption/impact: ______
 - Comments from developer/contractors in El Segundo area:
 - Mark Talez (Smokey Hollow Developer) is supportive of a green construction or green business recognition program

LEED Projects in El Segundo46 Certified Projects: d'Ital ApplicantsCertified27LEED Silver11LEED Gold6LEED Platinum3

*Source: https://www.usgbc.org/leed/why-leed https://www.starbucks.com/responsibility/global-report/environmentalstewardship/green-building https://sites.google.com/a/lbl.gov/green-clean-mean/flagshipprojects/google https://sustainability.fb.com/innovation-for-our-world/sustainable-workplace/

More on LEED

- Los Angeles World Airports (LAWA):
 - Design and Construction Handbook (July 2019) with sustainability embedded
 - City of Los Angeles released an Energy and Water Efficiency Ordinance and LAWA did cost-benefit analysis studies and decided to adopt LEED Silver
 - LAWA RFPs require respondents to provide a checklist of how LEED Silver will be achieved
 - LEED Silver will help airport achieve energy and water reductions
 - LAWA investigating LEED Gold and requiring submeters for future construction projects in order to meet L.A.'s Green New Deal carbon neutral by 2050 requirements



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More on LEED

ROI of LEED Certification:

- Increased asset value—high-quality, high-performance standards— higher sale prices
 - (2013-2014: Non-Green Building asking price of \$220/SF and average market sales price of \$244/SF; LEED certified buildings average asking price \$140/SF and average sales price \$329/SF)
- Achieve long term operational savings (increased operational efficiency)
- Attract tenants and command higher rental/lease rates
- Increased occupancy rates
- Meet ESG goals
- Improved health and productivity of occupants
- Better manage the performance of their buildings*

ROI of 19.2% for existing buildings and 9.9% on new buildings



*Sources: <u>https://www.usgbc.org/leed/why-leed;</u> <u>https://www.lbbassociates.com/achieve-roi-with-green-buildings/;</u> <u>https://www.alpinme.com/leed-roi-what-is-the-return-on-investment-of-leed-certified-buildings/</u>

Findings & Recommendations

- Third party green building certification (LEED) is advantageous for El Segundo as a green building policy because it:
 - Reduces administrative and enforcement burden on City Officials
 - Building Officials verify certification from third party
 - Doesn't create specific additional code requirements which need individual inspection
 - Improves the health and long term vitality of the built environment (and reduces negative environmental impacts) in El Segundo and furthers goals set out in City's CAP
 - Covers multiple Co-Benefits identified in the City's CAP



Co-Benefits of Green Building

- Co-Benefits: Additional community benefits from implementing City's CAP reduction strategies
- City identified eight areas where gains may be accrued beyond reductions in GHG emissions
- Green Building policies cover all eight Co-Benefits



Findings & Recommendations

• Overall:

- Improve website content and outreach
- Require LEED Certification in tiered increments for new construction or renovation
 - Create Opt-In or Opt-Out terms where permit fees increase if applicant "opts out" of LEED requirements
- Consider additional requirements to CALGreen based upon unique considerations of the community (the City has adopted CALGreen, but can create additional standards to address specific areas of interest to El Segundo)

Proposed El Segundo Green Building Code

Project Type/Size	Certification Requirement
New Construction / Renovations City Buildings = or >5,000 SF	LEED Silver or Higher
New Construction / Renovations Non-residential Buildings >5,000 SF and <10,000 SF	LEED Certified or Higher
New Construction / Renovations Non-residential Buildings >10,001 SF and <50,000 SF	LEED Silver or Higher
New Construction / Renovations Non-residential Buildings >50,001 SF	LEED Gold or Higher
New Construction / Renovations Multi-Family Housing >10,000 SF	LEED Certified or Higher

Additional Resources

Website with examples of green building policies for various cities and counties: <u>Green Building Ordinances & Policy Examples</u>



CITY OF EL SEGUNDO ENVIRONMENTAL COMMITTEE

MEETING MINUTES

Friday, February 7, 2020, 12:00 p.m. City Hall, West Conference Room, 350 Main Street, El Segundo, CA 90245

1. CALL TO ORDER

Tracey Miller-Zarneke called to order the monthly meeting of the Environmental Committee (EC) at 12:05pm, on Friday, February 7, 2020 in the City of El Segundo, City Hall West Conference Room, 350 Main Street, El Segundo, California, 90245.

2. ROLL CALL

The following Committee Members were present:

- Tracey Miller-Zarneke, Resident, Local Business, Committee Chair
- Kristin Faivre, El Segundo School District, Member
- Sarah Brockhaus, Resident, Member
- Rachel McPherson, Resident, Member
- Corrie Zupo, Resident, Committee Vice-Chair
- Kevin Maggay, Local Business, Member
- Caroline Hawks, Resident, Member

The following City staff member(s) / Council member(s) were present:

- Jasmine Allen, City of El Segundo, Senior Management Analyst
- Mayor Drew Boyles, Mayor
- 3. PUBLIC COMMUNICATION None
- 4. NEW BUSINESS None
- 5. REPORTS: CITY STAFF
 - a. Jasmine Allen asked Environmental Committee to submit all Agenda items and documents/attachments 72 hours prior to website posting. For example, if EC members submit final documents on Monday, the Agenda will be posted on Thursday. Staff needs time to review all documents and if necessary, have an opportunity to seek legal or executive advice, and have the Agenda also reviewed by EC Chair prior to posting; all



CITY OF EL SEGUNDO ENVIRONMENTAL COMMITTEE MEETING MINUTES

documents must be submitted by Wednesday in order to make the Brown Act deadline and post the Agenda on Tuesday. Anything submitted after Wednesday will be posted for the following month's meeting.

- b. Jasmine Allen asked Tracey Miller-Zarneke and Corrie Zupo to assist with "Environmental Resources and Committee" new website pages. Jasmine will set up a meeting to strategize an action plan.
- c. Jasmine Allen updated the Committee on Commercial and Multi-Family Solid Waste Collections Permit Program: 12 Permits issued.
- d. Jasmine Allen recommended EC to present their annual "Update from EC" to City Council on April 21st, 2020, as the last EC presentation to Council was on May 7, 2019. EC members agreed to present on April 21, 2020. Staff will need all final documents from EC one month prior to the Council meeting.

6. ACTION ITEMS:

a. Single-Use Plastics Educational Packet: Kevin Maggay moved to approve; Kristen Faivre seconded the motion. EC members unanimously voted to present the packet to Council for approval to share with the community.

b. Desalination Project: Corrie Zupo moved to approve with some edits; Caroline Hawks seconded the motion. EC members unanimously voted to present to Council for receive and file.

c. Community Choice Aggregation Memo: EC reviewed the memo Kevin Maggay had created with some suggestions from staff. The Committee will ask Council to add CCA on FY 2020/21 Strategic Plan.

7. REPORTS: ENVIRONMENTAL COMMITTEE MEMBERS

a. Work Plan: Committee members to update on their progress and discuss strategy for top five committee goals:

1. Solid Waste Reduction/Elimination of Single-Use Plastics (Caroline Hawks/Tracey Miller-Zarneke): Discussed additional work in progress beyond creation of Single-Use Plastics Educational Packet.

2. Green Business Recognition Program (Corrie Zupo): Waiting to hear back from Chamber of Commerce.

3. Water Conservation (Rachel McPherson): No update

4. Green Construction Standards (Kristin Faivre/Sarah Brockhaus): Discussed Green Building Presentation.



CITY OF EL SEGUNDO ENVIRONMENTAL COMMITTEE MEETING MINUTES

5. Community Choice Aggregation (Kevin Maggay): Discussed removing this item as an active goal.

6. Smoking Ban Consideration (Kevin Maggay): Discussed banning smoking in El Segundo.

b. Yard Blowers: Committee recalled discussion from last year but no further detail since the resident expected to attend was not present. Jasmine Allen will send AQMD document to Rachel McPherson for analysis/interpretation and possible future discussion.

c. 2020 Earth Day: Committee confirmed interest in organizing 2020 Earth Day activities, including hosting a booth at the Farmers Market (Thursday, April 23).

8. CONSENT AGENDA:

Approved Minutes from January 10, 2020.

9. ADJOURNMENT

Tracey Miller-Zarneke adjourned the meeting at 1:45pm. The next regular meeting is scheduled for Friday, March 6, 2020 at 12:00pm at City Hall - West Conference Room.