



**488210SUSTAINABILITY COMMISSION**  
**CITY OF PALM SPRINGS, CALIFORNIA**  
[www.palmsprings-ca.gov](http://www.palmsprings-ca.gov)    [www.yoursustainablecity.com](http://www.yoursustainablecity.com)

<b>May 18, 2021 5:30 PM</b>	<b>MEETING AGENDA</b>	<b>Conducted by Video Conference</b>
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<b>COMMISSIONERS</b>		
<b>Roy Clark, Chair</b>	<b>David Freedman</b>	<b>Lani Miller</b>
<b>Robert McCann, Vice Chair</b>	<b>Jennifer Futterman</b>	<b>Alex Ocañas</b>
<b>Carl Baker</b>	<b>Sandra Garratt</b>	<b>Jake Torrens</b>
<b>Jim Flanagan</b>	<b>Greg Gauthier</b>	

*City of Palm Springs Vision Statement: Palm Springs aspires to be a unique world-class desert community where residents and visitors enjoy our high quality of life and a relaxing experience. We desire to balance our cultural and historical resources with responsible, sustainable economic growth and enhance our natural desert beauty. We are committed to providing responsive, friendly, and efficient customer service in an environment that fosters unity among all our citizens.*

**Pursuant to Executive Order N-29-20, this meeting will be conducted by teleconference and there will be no in-person public access to the meeting location.**

**To view/listen/participate in the meeting live, please use the following link:**  
<https://us02web.zoom.us/j/87064801181> / call +1 669 900 6833 **Meeting ID 870 6480 1181.**

- **Written public comment may also be submitted to [cityclerk@palmspringsca.gov](mailto:cityclerk@palmspringsca.gov). Transmittal prior to the meeting is required. Any correspondence received during or after the meeting will be distributed to the Board/Commission as soon as practicable and retained for the official record.**
- **The meeting will be recorded and the audio file will be available from the Office of the City Clerk and will be posted on the City’s YouTube channel, as soon as practicable.**

Staff representative: Patrick Tallarico, Manager, Office of Sustainability; Tracy Sheldon, Program Coordinator, Office of Sustainability

Please **MUTE OR TURN OFF** all audible electronic devices for the duration of this meeting. Thank you!

**CALL TO ORDER**

**ROLL CALL**

**WELCOME AND INTRODUCTIONS (10 MINUTES)**

**ACCEPTANCE OF AGENDA (5 MINUTES)**

**STAFF COMMENTS – Manager Tallarico (10 MINUTES)**

**PUBLIC COMMENTS:** This time is for members of the public to address the Sustainability Commission on Agenda items and items of general interest within the subject matter jurisdiction of the Commission. The Commission values your comments but, pursuant to the Brown Act, cannot take action on items not listed on the posted Agenda. Three (3) minutes are assigned for each speaker.

If participating by video conference to provide comments, please try to minimize background noise at your location to ensure you can be heard. Please mute your microphone when you are not speaking.

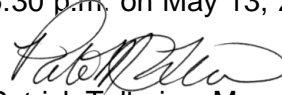
- A. PRESENTATIONS (0 MINUTES)**  
1. None
- B. MEETING MINUTES – April 20, 2021 Regular Meeting (5 MINUTES)**
- C. OLD BUSINESS (45 MINUTES)**  
1. Leaf Blower Ordinance Enhancement Discussion  
2. Sustainability Scholarship & Home Energy Assessment Audit Status and Feedback  
3. GHG Inventory Report, 2020 Look-ahead  
4. Night Sky Follow-up  
5. Food Ware Ordinance Update and Discussion
- D. NEW BUSINESS (10 MINUTES)**  
1. FY 2021-2022 Sustainability Budget
- E. SUBCOMMITTEE AND COMMISSIONER REPORTS (30 MINUTES)**  
1. Standing Subcommittee on Solar and Green Building - Commissioners Freedman and Flanagan  
a. Cost Effectiveness Explorer  
b. Solar App  
c. Legislative Update  
2. Standing Subcommittee on Waste Reduction – Manager Tallarico, Vice Chair McCann, Chair Clark, Commissioner Miller  
a. SB 1383 Planning Update  
b. Residential Organics Survey Results  
3. World Environment Day – Commissioners Futterman, Garratt, Gauthier  
4. Ad Hoc Subcommittee on Walkability & Pedestrian Planning - Manager Tallarico, Commissioners Gauthier, Flanagan, Futterman  
a. Walkability Master Plan and Safe Routes to Schools Master Plan Virtual Walk Audits  
5. Ad Hoc Subcommittee on Bicycle Routes and Cycling – Commissioner Flanagan, Commissioner Torrens  
6. Ad Hoc Subcommittee on Night Sky – Vice Chair McCann, Commissioner Flanagan, Commissioner Ocañas  
7. Ad Hoc Subcommittee on Strategic Planning and General Plan Update – Manager Tallarico, Chair Clark, Vice Chair McCann, Commissioner Freedman  
8. Water Conservation – Commissioner Freedman  
9. Wellness – Commissioner Baker  
10. Desert Community Energy, Community Advisory Committee – Commissioners Baker, Freedman
- F. COMMISSIONER COMMENTS AND UPCOMING AGENDA (10 MINUTES)**  
1. Commissioners will be allowed 1 minute to provide thoughts on future agenda items or other Commission-related items of interest
- G. ADJOURNMENT** - The meeting of the Sustainability Commission will adjourn to the Regular Meeting of the Sustainability Commission to be held at 5:30 p.m. on Tuesday, June 15, 2021, via Video Teleconference. The Sustainability Commission’s regular meeting schedule is at 5:30 p.m. the third Tuesday each month except August unless otherwise noted or amended.

It is the intention of the City of Palm Springs to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you need special assistance beyond what is normally provided, the City will attempt to accommodate you in every reasonable manner. Please contact the Office of the City Clerk at (760) 323-8204 at least 48 hours prior to the meeting to inform us of your needs and to determine if accommodation is feasible.

Pursuant to G.C. Section 54957.5(b)(2) the designated office for inspection of records in connection with the meeting is the Office of Sustainability, City Hall, 3200 E. Tahquitz Canyon Way, Palm Springs, CA 92262. Agenda and staff reports are available on the City’s website [www.palmspringsca.gov](http://www.palmspringsca.gov). If you would like additional

information on any item appearing on this agenda, please contact the Office of Sustainability at 760-323-8214.

AFFIDAVIT OF POSTING: I, Patrick Tallarico, Manager of the Office of Sustainability of the City of Palm Springs, California, certify this Agenda was posted at or before 5:30 p.m. on May 13, 2021, as required by established policies and procedures.



Patrick Tallarico, Manager of the Office of Sustainability



# City of Palm Springs Development Services Department Office of Sustainability

**TO:** Sustainability Commission  
**FROM:** Patrick Tallarico, Manager  
**SUBJECT:** Update Summary – Staff Comments  
**MEETING DATE:** May 18, 2021

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The Office of Sustainability would like to provide this update on activities since the last Commission meeting to help speed discussion at the in-person meeting. The following items can be discussed in more depth at the meeting, if desired by the Commission.

- **Past and Upcoming Council Meeting Topics**

- April 22, 2021 – Presentation on Earth Day, Support Letter for SB 612 on “legacy” power resources in support of Desert Community Energy, Wastewater Treatment Plant Capital Improvements
- May 6 – Reusable Food Service Ware and Plastic Waste Reduction
- May 27, 2021 – Delinquent Trash Disposal Payments Public Hearing

- **EV Charger Expansion progress** – The City continues to meet with the contractor, Carbon Solutions Group, to submit permits and finalize paperwork associated with the charger installations. The group has submitted permit applications for the Museum Garage and City Hall and will be submitting paperwork for the Downtown Baristo Garage soon. They are also finalizing the agreement and related documents so that we can get it signed by the City Manager.

- **Tree Standards and Arbor Day** – Sustainability Staff has no new updates on the data needed to assess participation in the Tree City USA program. Sustainability Staff are meeting with Maintenance on June 1 to discuss this and other items.

- **Night Sky Follow-up** – Commissioner McCann is researching how best to assess lighting intensity. It appears that the best way is to look at the bulb information provided by the manufacturer.

- **Hydrogen Fueling Stations** – City staff met with a representative of the hydrogen fueling industry, and he forwarded our interest to fueling station developers to determine what might already be planned for the Palm Springs area. No response has been received. SunLine is still planning on moving forward with public stations at their facility.

- **Mayor's Water Conservation Challenge** – The Water Pledge closed at the end of April. The Wyland Foundation is currently tabulating results, which should be available at the end of the month.
- **Neighborhood Environmental Challenge Awards** – Awards were presented to the following neighborhoods at the April 22<sup>nd</sup> Council Meeting and during the May 11<sup>th</sup> ONE-PS meeting.
  - Sunrise Racquet Club in Rogers Ranch – improved recycling practices to ensure more materials can be recycled and to minimize contamination in the recycling stream.
  - Racquet Club Estates - increasing the City's tree canopy by planting a tree at Victoria Park in honor of Nat Reed, a local artist and creative force behind the ONE-PS logo.
  - Andreas Hills - for their work with Desert Water Agency to remove turf grass, which greatly reduces water consumption and water runoff.
  - Los Compadres - for their work with Desert Water Agency on installing smart irrigation controllers to help reduce water use.
  - Canyon Corridor - for their work with Desert Water Agency to install water efficient nozzles to help reduce water use and reduce overspray.
  - Desert Highland Gateway Estates - for improving the health and safety of their community by conducting a neighborhood clean-up event.
- **Michele Mician Community Garden** – Sustainability staff contracted with Conserve Land Care for irrigation repairs to the garden plots. The work was completed on plots # 6, 7, 9, 10, 13, 15, 16, 17, 27 and 32 on May 12, 2021. Additional irrigation repairs will be scheduled in August for garden plots which currently have an abundance of growth at this time.
- **James O. Jessie Desert Highland Unity Center** - Sustainability staff contracted with Conserve Land Care for the orchard to be trimmed, irrigation system reviewed, and application of bark to the trees on May 13, 2021.
- **American Clean Power Association** - Boost California distributed the press release recognizing the City of Palm Springs on May 6, 2021 as a champion for renewable energy development. The city's leadership in forward-thinking renewable energy programs has been recognized as a model for the state and the country. The article can be viewed at <https://www.boost-california.com/2021/04/30/palm-springs-a-case-study-in-renewable-energy-leadership/>
- **Mayor's Monarch Pledge** – The City renewed its pledge by identifying activities we plan to do in the coming year and can be viewed online at; <https://www.nwf.org/mayorsmonarchportal/Community?CommunityId=342&ProgramYearId=2>
- **Electronic Waste, Shredding, Recycling and Bulky Items Collection Event on April 17<sup>th</sup>** - The City hosted an e-Waste and Shredding Recycling event on April 17<sup>th</sup> in conjunction with Palm Springs Disposal's Bulky Items Collection. The event was a huge success. We collected about 10,000 pounds of e-Waste, 6,572 pounds of paper, 94.35 tons of trash, and 8.36 tons of metal! From the e-waste collection alone, we prevented 156,221 pounds of carbon emissions from polluting the atmosphere, which is equivalent to 6,030 trees saved. The next event will be Saturday, October 16<sup>th</sup> from 8am-12pm. There was a request by one resident to vary the dates of the events so that people who are not here the third week of the month could participate.
- **Airport Demonstration Garden** – Sustainability staff met with the Airport Commission to review the latest design on April 19, 2021 and they had no comments.

- **Bike Loop Signage** – Sustainability staff has been in the process of obtaining quotes to replace faded/damaged bike loop signage and coordinating installation of the signs by the City’s Maintenance Department. We anticipate placing the order for the signage the week of May 17, 2021.
- **Bike Infrastructure Follow-up** – A meeting was held on May 13<sup>th</sup> between biking advocates and the Planning Division to discuss long-term planning related to biking infrastructure. David Newell, Planning Director, provided an overview of the process and Circulation element update.
- **Bike Racks** - City staff has compiled a list of locations for additional bike racks and obtained quotes on new racks to accommodate increasing bike ridership. Due to the quotes exceeding \$25,000, a staff report will be placed on a June City Council Consent agenda for approval.

Business Name	Rack Type	Rack Color
City Visitor Center	Multi HOOP bike rack	Red, Orange, yellow, green, blue
City Hall	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Victoria Park	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Ruth Hardy Park	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Wellness Park at the Fitness Equipment	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Palm Springs International Airport	Multi BIKE BIKE rack	Red, Orange, yellow, green, blue
Araby Trailhead	Multi HOOP bike rack	Red, Orange, yellow, green, blue
South Lykken Trailhead*	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Murray Wellwood Memorial Library	Multi BIKE BIKE Rack	Blue (5)
Cultural Museum	Multi HOOP bike rack	Red, Orange, yellow, green, blue
Rick's Restaurant	Bike Bike Rack	Red (2)
On The Mark	Bike Bike Rack	Blue
Tommy Bahamas Marlin Bar**	Bike Bike Rack	Blue
Kreem	Bike Bike Rack	Green
Ace Hotel	Bike Bike Rack	Green
Elmers Diner	Bike Bike Rack	Green
Manhattan in the Desert	Bike Bike Rack	Green
Kimpton Rowan Hotel**	Bike Bike Rack	Blue (2)

\* Need to confirm right of way.

\*\* Need to confirm city racks are acceptable on Grit property.



# Certificate of Recycling

This document certifies that Desert Arc Recycling has taken ownership and responsibility of the material listed below for the sole purpose of recycling to a commodity level of recovery. We collect and recycle in accordance with all Federal EPA and California EPA guidelines.

**Date of Recycling:** April 15, 2021

**Item Description:** Monitors, towers, cords, misc. e-waste


**Shipment Number:** Truck #1

**Weight:** 975lbs.

**Customer:** City of Palm Springs

**Location:** 425 N. Civic Dr., Palm Springs, CA. 92262

**Witness to Destruction Signature:**



CAL000374504

45-875 Commerce St., Indio, CA 92201

[www.desertarcrecycling.com](http://www.desertarcrecycling.com)

CEW# 114349  CalRecycle



Environmental Data Detail

Sold-To	Sold-To Name	Ship-To Party Key	Ship-To Name	Service Date	Material	Price List Type	Estimated LBS	Tons	Trees Saved	Oil Saved	Water Saved	Cubic Yard Landfill Saved
12150303	City Of Palm Springs	12150303	City Of Palm Springs	4/17/2021	ON-SITE PURGE	Shred Event - Hour	6572	3.286	55.862	1248.68	23002	9.858
			<b>Sum:</b>				<b>6572</b>	<b>3.286</b>	<b>55.862</b>	<b>1248.68</b>	<b>23002</b>	<b>9.858</b>





## SUSTAINABILITY COMMISSION - REGULAR MEETING MINUTES

Tuesday, April 20, 2021

Pursuant to Executive Order N-29-20, by Governor Newsom, this meeting was conducted by teleconference and there was no in-person public access to the meeting location.

**CALL TO ORDER:** Chair Clark called the meeting to order at **5:32** p.m.

**ROLL CALL:** A quorum was present for this Regular Meeting of the City of Palm Springs Sustainability Commission.

### WELCOME AND INTRODUCTIONS

**AGENDA APPROVAL:** The agenda was presented by Chair Clark. A motion to approve as posted was made by Vice Chair McCann and seconded by Commissioner Gauthier and carried unanimously on an open vote.

	<u>This Meeting</u>	<u>Present to Date</u>	<u>FY 2020/2021 Excused Absences</u>	<u>FY 2020/2021 Unexcused Absences</u>
Roy Clark, Chair	X	50		
Robert McCann, Vice Chair	X	48		
David Freedman	X	60		
Jennifer Futterman	X	42	2	
Greg Gauthier	X	39	1	
Carl Baker	X	26		
Jim Flanagan	X	19		
Lani Miller	X	17	1	
Sandra Garratt	X	14	1	
Alex Ocañas	X			
Jake Torrens	X			

X = Present

E = Excused (notified Chair and Staff of absence)

L = Late

U = Unexcused (did not notify of absence)

**CITY STAFF PRESENT:** Patrick Tallarico, Manager, Office of Sustainability; Tracy Sheldon, Program Coordinator, Office of Sustainability

### OATH OF OFFICE OF NEWLY AND RE-APPOINTED BOARD MEMBERS:

Oath administered to Alex Ocañas and Jake Torrens.

**GUESTS PRESENT:** Christian Billson with Inland Empire Climate Action Coalition, Hoiyin Ip with the Sierra Club and Deborah McGarrey with SoCalGas.

### STAFF COMMENTS – Manager Tallarico reported

- Manager Tallarico reported on the planned Earth Day activities on April 22<sup>nd</sup> and Neighborhood Environmental Challenge. A presentation and staff report are on the City Council agenda for April 22<sup>nd</sup> which will recognize some of the neighborhoods for their environmental efforts.
- The Capital Improvement project for the Wastewater Treatment Plant is on the April 22<sup>nd</sup> City Council agenda. There is more research to be done on the topics important to the Commission and the Commission is encouraged to make public comments prior to the Council meeting.
- The Foodware Ordinance will be on May 6<sup>th</sup> City Council agenda.
- Manager Tallarico reminded all to take the Mayor's Water Conservation Pledge at [www.Mywaterpledge.com/pledge](http://www.Mywaterpledge.com/pledge).
- The Organics Collection survey and Pedestrian survey will be closing on April 30<sup>th</sup> and all are encouraged to participate in the surveys.
- Manager Tallarico asked Vice Chair McCann to provide a recommendation on a light meter for light measurements.
- Manager Talarico shared that a follow up conversation occurred with a contractor for Hydrogen fueling

stations who makes connections between people interested in hydrogen fueling stations, developers, and the State. There is a high interest in Hydrogen fueling stations in Palm Springs and the interest has been forwarded to developers. The goal for the developers is to work with existing fueling stations as the primary infrastructure is already in place.

## **PUBLIC COMMENTS**

- Chair Clark opened for public comments:
  - Hoiyin Ip commented that the Sierra Club is in support of the Foodware Ordinance.

## **A. PRESENTATIONS – None**

## **B. MEETING MINUTES**

- March 16, 2021 Regular Meeting minutes approval: Motion by Commissioner Baker to accept, second by Commissioner Garratt. Motion passed unanimously on an open vote.

## **C. OLD BUSINESS**

1. Sustainability Scholarship & Home Energy Assessment Audit Status and Feedback
  - Manager Tallarico reported the updated numbers on the Scholarship fund and confirmed there are funds available.
  - Manager Tallarico shared that Cetrix is a company which provides UVC disinfection services and wanted to obtain feedback from the Commission to support or decline these types of businesses. The majority response was this type of company is not in alignment with the Scholarship program.
2. GHG Inventory Update
  - Manager Tallarico reported that there was a meeting with the consultant at the April Solar and Green Building Subcommittee meeting. City staff has directed PlaceWorks to develop a revised 1990 baseline by taking a 15% reduction of the 2010 revised numbers. The new goals will be based on the adjusted 1990 baseline numbers.
  - Commissioner Miller had questions about waste-related emissions and the source of that data. Manager Tallarico agreed to confirm the source data.
  - Commissioner Torrens offered support in developing the climate action roadmap.
3. Demonstration Garden at Airport
  - Manager Tallarico reported a meeting was held to continue discussions about the turf conversion project. Discussions included a public art piece and signage. The project is in the finalization phase of plant layout and construction documentation. In regard to the opportunity for a public art sculpture, there would be a strict criteria of a 6' wide concrete pad around a public art sculpture for ADA requirements. Manager Tallarico has reached out to the Public Arts Commission to inquire if they would like to work on this project.
  - The timeline is to go out to bid is in June 2021 and to plant in the Fall 2021 and open the demonstration garden in October/November 2021.

## **D. NEW BUSINESS – None**

## **E. SUBCOMMITTEE AND COMMISSIONER REPORTS**

1. Standing Subcommittee on Solar and Green Building - Commissioner Freedman reported
  - Commissioner Freedman reported he had attended a public online workshop for the AES Mountain View Wind Repower Project located in Whitewater, just outside of City limits. AES will replace 104 of the 111 existing turbines with 16 new 492-foot turbines, which together with the seven remaining turbines will generate the same amount of electricity.
  - Commissioner Freedman shared the Energy Commission held a public scoping meeting and that the CEC intends to publish the draft EIR in early May and then launch a 45-day public comment period.
  - Commissioner Freedman provided an update on the Reach Codes web-based Cost-Effectiveness Explorer, in which he serves as a beta tester. Some of the beta features are now live, and Commissioner Freedman will prepare a data set on possible energy efficiency measures for Palm Springs using that information.

- Commissioner Freedman shared SB 617 was amended yesterday. SB 617 is currently being considered by the Legislature and would require cities, counties, and fire agencies to implement an online, automated permitting platform that verifies code compliance and issues permits in real time for residential solar panel systems and solar + battery storage systems.
2. Standing Subcommittee on Waste Reduction – Manager Tallarico reported
    - Manager Tallarico reported the City continues to have discussions with Palm Springs Disposal Services about SB 1383 compliance efforts, including updating the Franchise Agreement, developing new rates, and developing an ordinance.
    - Manager Tallarico also clarified the anticipated Extraordinary Rate Increases from PSDS, which may come up at May 6<sup>th</sup> City Council meeting, are independent of SB 1383 projected increases. The increase is related to increased recycling costs due to changing markets and increased transportation costs.
    - Manager Tallarico reported that Downtown trash signs are currently being printed and will be installed soon.
    - Manager Tallarico shared there was a meeting with the Community Composting Group and that City staff will continue to monitor and engage with that group and that Commissioner Miller is the liaison with the Community Composting Group group.
  3. Standing Subcommittee on World Environment Day – Commissioner Futterman reported
    - Commissioner Futterman reported that the Environmental Education Collaborative is meeting to confirm plans for World Environment Day, which is celebrated on June 5th. The Collaborative is in need of judges. Commissioners Garratt, Gauthier and Baker volunteered to be judges for the art contest.
    - Manager Tallarico shared that the City was not able to have a movie screening for Earth Day but offered to have a movie showing the night before World Environment Day at the Cultural Center.
  4. Ad Hoc Subcommittee on Walkability & Pedestrian Planning – Manager Tallarico reported
    - Manager Tallarico reported the data collection phase is nearly completed. A total of 120 surveys have been completed so far, and the data is reinforcing.
  5. Ad Hoc Subcommittee on Bicycle Routes and Cycling – Commissioner Flanagan reported
    - Commissioner Flanagan reported he is looking forward to meeting with the Planning Department to discuss the idea of improved bike infrastructure in the Downtown area as well as cost and feasibility. Sustainability Staff is working on scheduling the meeting with the Planning Department which will include discussions of the Circulation Element of the General Plan and potentially create a new Bike Master plan.
    - Commissioner Torrens shared he is a primary cyclist and is interested in joining this committee.
  6. Ad Hoc Subcommittee on Night Sky – Vice Chair McCann reported
    - Vice Chair McCann reported that the previous document has been revised and incorporates the suggestions from the Commission. An additional edit is in the process to include major residential remodels.
    - Vice Chair McCann commented there in an Illuminating Engineering Society of North America which will be a valuable resource.
    - Commissioner Ocañas stated she would like to join this subcommittee.
  7. Ad Hoc Subcommittee on Strategic Planning and General Plan Update
    - No report.
  8. Water Conservation – Commissioner Freedman reported
    - Commissioner Freedman reported that DWA will host a webinar on Earth Day, April 22<sup>nd</sup>, which will feature Manager Tallarico and the Mayor’s Water Challenge.
    - DWA has agreed to extend the bill assistance program for residents through the United Way.
    - DWA reported an 11% reduction in water consumption in March 2021 compared to March 2020.
    - Manager Tallarico reported the webinar will also include Sprinkler Check Week, which is being promoted the last week of April. The information is being distributed through ONE PS, social media and English and Spanish radio ads. Sprinkler Check Week will also be promoted in the Fall.
    - Manager Tallarico reported he has requested additional City funding for future turf conversion efforts across City properties from the City’s General Fund.
  9. Wellness – Commissioner Baker reported
    - Commissioner Baker reported the Human Rights Commission inquired if Councilmember Kors had

spoken to the Restaurant and Hotel groups and Commissioner Baker confirmed he had.

10. Desert Community Energy, Community Advisory Committee – Commissioners Freedman reported
- Commissioner Freedman reported the DWA board met yesterday and City Council had considered changes to DCE’s carbon-free content and suspending the carbon free program for CARE customers. DCE made the changes in alignment with City Council’s recommendations.
  - The Terra Gen Wind project, outside of the City limits, will begin operations in the next few days.

**F. COMMISSIONER COMMENTS AND UPCOMING AGENDA**

- Vice Chair McCann encouraged new commissioners Ocañas and Torrens to research Oswit Land Trust whose mission is to preserve and save land from future developments of open space in Palm Springs.
- Commissioner Garratt shared she has a phone interview with Erin Brockovich.
- Commissioner Ocañas inquired about the status of the Monarch Mayors Pledge as she has been assisting the City of Palm Desert with their Monarch Mayors Pledge.

**G. ADJOURNMENT** - The meeting of the Sustainability Commission adjourned at **7:11** p.m. by a motion from Commissioner Baker and seconded by Vice Chair McCann and approved by a unanimous vote. They adjourned to the Regular Meeting of the Sustainability Commission to be held at 5:30 p.m. on Tuesday, May 18, 2021, location to be determined. There is a possibility that the next meeting will be via telecommunication also. The Sustainability Commission’s regular meeting schedule is at 5:30 p.m. the third Tuesday each month except August unless otherwise noted or amended.

Respectfully Submitted,

Patrick Tallarico, Manager, Office of Sustainability



# City of Palm Springs

## Development Services Department Office of Sustainability

**TO:** Sustainability Commission

**FROM:** Patrick Tallarico, Manager

**SUBJECT:** Summary of Leaf Blower Enforcement Issues and Potential Actions

**MEETING DATE:** May 18, 2021

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On July 26, 2017, the City Council adopted Ordinance No. 1932 adding subsection (k) to Palm Springs Municipal Code section 11.74.043, re “Loud, Unusual Noises – Gasoline Powered Leaf Blowers.” The Ordinance prohibits the use of gasoline-powered leaf blowers and the blowing of debris into streets and nearby properties. The ordinance went into effect on June 1, 2019. Enforcement was delayed until July 1, 2019 to allow time to conduct sufficient outreach and education and to conduct a technical workshop on electric alternatives. Between January 1 and July 1, 2019, Code Enforcement staff also passed out information and issued warnings to violators to bolster the education process.

The City has experienced a variety of challenges enforcing the ordinance. The Office of Sustainability worked with Sustainability Commission staff to conduct a compliance visual audit in late 2020 to get a general sense of the compliance rate. In that visual survey, the compliance rate was about 50%.

Several things may be contributing to this situation:

- Limited code enforcement staffing resources.
- Response time. Often a gardener can be finished using a leaf blower by the time a Code Enforcement officer arrives.
- There are a lot of false alarms when people “hear” what they think is a leaf blower but is in fact a different piece of lawn equipment.
- Some gardeners have also developed new tactics to avoid enforcement – gas in back and electric in front, electric unit “decoys” that are not actually used
- It is sometimes challenging to determine if someone is part of the same organization when names of responsible parties may differ slightly, responsible party addresses provided may be different, and some citations are issued to individuals and not companies.
- Because so few gardeners have business licenses, it may be hard to identify the official company name and address.

The City has reached out to gardeners with incentives for electric units when the law went into effect and more recently through our Sustainability Scholarship program. The City was able to partially or fully fund the purchase of over 16 new electric units through that program, but the problem persists.

## **POTENTIAL ACTIONS TO ENHANCE COMPLIANCE RATES**

In addition to the possibility of continuing incentives for gardeners to purchase electric blowers, the City has been considering the following additional actions to enhance enforcement efforts:

1. Begin enforcing business license requirements. Create an inexpensive/streamlined “gardeners” license if needed. And require that ALL gardeners and landscapers display their license number on their vehicle. The business license application was recently translated to Spanish.
2. Hold home owners accountable for compliance in addition to gardeners. Under the proposed system, a homeowner would receive a notice when a gardener receives a citation. If that gardener is cited again on their property, the homeowner would be issued a citation along with the gardener. The homeowner could also receive a citation for employing an unlicensed gardener, if that was the case.
3. Increase the fines for second and third offenses from \$250 and \$500 to \$500 and \$1000, respectively. This may serve as a further deterrent to some violators, if these citations are collected.
4. Improve the documentation process related to citations issued to avoid discrepancies in business addresses, issuing citations to businesses and not individuals, recording business license numbers, and capturing the address of the home or business where the violation occurred.
5. Get more people on the ground to observe violations in real time. This could be done by engaging the Citizens on Patrol, if that program is revived, or deputizing Sustainability staff, or hiring a part-time person just for leaf blower enforcement.
6. Allow gardeners to start earlier in the summer months (7 AM?) so that they have less time in the extreme heat, which really drains batteries.

The City would like Commission input on these options and any additional suggestions the Commission may have to enhance compliance. A draft ordinance to reflect home owner accountability and a resolution for the increased fines is attached.



ORDINANCE No. \_\_\_\_\_

AN ORDINANCE OF THE CITY OF PALM SPRINGS, CALIFORNIA, AMENDING SUBSECTION (k) OF SECTION 11.74.043 OF THE PALM SPRINGS MUNICIPAL CODE, REGARDING LOUD, UNUSUAL NOISES – GASOLINE POWERED LEAF BLOWERS, COMMENCING ON \_\_\_\_\_, 2020.

***City Attorney Summary***

*This Ordinance amends Palm Springs Municipal Code section 11.74.043, subsection (k)—prohibiting the use of gasoline powered leaf blowers—to make the subsection applicable to an owner of real property, a tenant in possession of real property, or a person in control of real property who knowingly allows another person to operate a gasoline powered leaf blower on the property. Currently, subsection (k) only applies to an operator of a gasoline powered leaf blower.*

THE CITY COUNCIL OF THE CITY OF PALM SPRINGS ORDAINS:

SECTION 1. The City Council hereby makes the following findings: (1) on July 26, 2017, the City Council adopted Ordinance No. 1932 adding subsection (k) to Palm Springs Municipal Code (“PSMC”) section 11.74.043, regarding “Loud, Unusual Noises – Gasoline Powered Leaf Blowers;” (2) the Ordinance went into effect on June 1, 2019; (3) as is, the Ordinance only applies to the operator of a gasoline powered leaf blower; and (4) the City seeks to increase compliance with the Ordinance by extending its application to owners of real property, tenants in possession of real property, or persons in control of real property who knowingly allow another person to operate a gasoline powered leaf blower on the property.

SECTION 2. Current subsection (k) of PSMC section 11.74.043 reads as follows:

(k) Gasoline Powered Leaf Blowers

The use of gasoline powered leaf blowers, to produce a current of air and thereby push, propel or blow cuttings, refuse or debris, or otherwise shall be prohibited within the corporate limits of the City.

SECTION 3. Amend subsection (k) of PSMC section 11.74.043 to read as follows:

(k) Gasoline Powered Leaf Blowers

(1) The use of gasoline powered leaf blowers, to produce a current of air and thereby push, propel or blow cuttings, refuse or debris, or otherwise shall be prohibited within the corporate limits of the City.

(2) No owner of real property, tenant in possession of real property, or person in control of real property shall knowingly allow another person to use a gasoline powered leaf blower on the property.

SECTION 4. Neither introduction nor adoption of this Ordinance represents a “project” for purposes of the California Environmental Quality Act (“CEQA”), as that term is defined by CEQA guidelines (“Guidelines”) section 15378, because this Ordinance is an organizational or administrative activity that will not result in a direct or indirect physical change in the environment, per section 15378(b)(5) of the Guidelines.

SECTION 5. The Mayor shall sign, and the City Clerk shall certify to the passage and adoption of this Ordinance, and shall cause the same, or the summary thereof, to be published and posted pursuant to the provisions of applicable law. This Ordinance shall take effect at \_\_\_\_\_ on \_\_\_\_\_, 2020.

PASSED, APPROVED AND ADOPTED BY THE PALM SPRINGS CITY COUNCIL  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2020.

\_\_\_\_\_  
GEOFF KORS, MAYOR

ATTEST:

\_\_\_\_\_  
ANTHONY J. MEJIA, MMC  
CITY CLERK

CERTIFICATION

STATE OF CALIFORNIA )  
COUNTY OF RIVERSIDE )     *ss.*  
CITY OF PALM SPRINGS )

I, ANTHONY J. MEJIA, City Clerk, hereby certify that Ordinance No. \_\_\_\_\_ is a full, true and correct copy, and was introduced at a regular meeting of the Palm Springs City Council on the \_\_\_\_ day of \_\_\_\_\_, 2020, and approved and adopted at a \_\_\_\_\_ meeting of the City Council held on the \_\_\_\_\_ day of \_\_\_\_\_, 2020, by the following vote:

- AYES:
- NOES:
- ABSENT:
- ABSTAIN:
- RECUSED:

WITNESS my hand and official seal of the City of Palm Springs this \_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
ANTHONY J. MEJIA, MMC  
CITY CLERK

RESOLUTION No. \_\_\_\_\_

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM SPRINGS, CALIFORNIA, AMENDING THE BAIL SCHEDULE FOR VIOLATION OF OF PALM SPRINGS MUNICIPAL CODE 8.04.070 AND CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, PART 11, SECTIONS 4.408.1 AND 5.408.1, COMMENCING ON \_\_\_\_\_, 2020.

THE CITY COUNCIL HEREBY FINDS AS FOLLOWS:

WHEREAS, on January , the City Council adopted Ordinance No. 1932 adding subsection (k) of Palm Springs Municipal Code (“PSMC”) section 11.74.043, regarding “Loud, Unusual Noises – Gasoline Powered Leaf Blowers,” which prohibits the use of gasoline powered leaf blowers within the City.

WHEREAS, on \_\_\_\_\_, 2020, the City Council adopted Ordinance No. \_\_\_\_\_ amending subsection (k) of PSMC section 11.74.043, in order to make the subsection applicable to owners of real property, tenants in possession of real property, or persons in control of real property who knowingly allow another person to operate a gasoline powered leaf blower on the property.

WHEREAS, the City has established an administrative citation process and monetary penalties to encourage and expedite compliance with the provisions of the PSMC.

WHEREAS, PSMC section 1.06.040 allows the City Council to establish by resolution monetary penalties different than the general penalty amounts established by that section.

WHEREAS, the City seeks to increase compliance with subsection (k) of PSMC section 11.74.043 by establishing monetary penalty amounts greater than the general penalty amounts established by PSMC section 1.06.040.

WHEREAS, the City maintains a Master Bail Schedule setting forth the monetary penalty amounts for violations of the PSMC.

THE CITY COUNCIL OF THE CITY OF PALM SPRINGS DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City’s Master Bail Schedule is to be amended by adding the following provision:

PSMC 11.74.043 (k)	Noise – Loud and Unusual – Gasoline Powered Leaf Blower	1st citation in 365 days	100.00
		2nd citation in 365 days	500.00
		3rd citation or more in 365 days	1,000.00
		Infraction	
		Misdemeanor	75.00

Resolution No. \_\_\_\_\_

Page 2

			100.00
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SECTION 2. The City Clerk is hereby authorized and directed to amend the City's Master Bail Schedule as provided in Section 1 of this Resolution.

SECTION 3. The amended Master Bail Schedule is to become effective \_\_\_\_\_, 2020.

PASSED, APPROVED AND ADOPTED BY THE PALM SPRINGS CITY COUNCIL THIS  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2020.

\_\_\_\_\_  
DAVID H. READY, ESQ., Ph.D.  
CITY MANAGER

ATTEST:

\_\_\_\_\_  
ANTHONY J. MEJIA, MMC  
CITY CLERK

CERTIFICATION

STATE OF CALIFORNIA )  
COUNTY OF RIVERSIDE )       *ss.*  
CITY OF PALM SPRINGS )

I, ANTHONY J. MEJIA, City Clerk, hereby certify that Resolution No. \_\_\_\_\_ is a full, true and correct copy, and adopted at a \_\_\_\_\_ meeting of the City Council held on the \_\_\_\_\_ day of \_\_\_\_\_, 2020, by the following vote:

- AYES:
- NOES:
- ABSENT:
- ABSTAIN:
- RECUSED:

WITNESS my hand and official seal of the City of Palm Springs this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
ANTHONY J. MEJIA, MMC  
CITY CLERK





# City of Palm Springs

Development Services Department  
Office of Sustainability

**TO:** Sustainability Commission  
**FROM:** Tracy Sheldon, Program Coordinator  
**SUBJECT:** Sustainability Scholarship Update  
**DATE:** May 18, 2021

Sustainability Reserved	Sustainability Paid	Sustainability Total	Recycling Reserved	Recycling Paid	Recycling Total
\$ 13,250.00	\$ 20,740.32	\$ 33,990.32	\$ 3,000.00	\$ 4,635.27	\$ 7,635.27

## Final Documentation Received and Checks Requested

Organization Name	Action	Sustainability Paid	Recycling Paid
		\$ 20,740.32	\$ 4,635.27
Palm Springs Power Baseball Club Inc.	Purchase Electric Leaf Blower	\$ 716.68	\$ -
Juan Gutierrez	Purchase electric mower and backup batteries for leaf blower	\$ 750.00	\$ -
Lulu	Leaf Blower	\$ 696.60	\$ -
Postal Palm Springs	Instant hot water system	\$ 245.48	\$ -
Tops n Tees	New Low flow toilet	\$ 632.00	\$ -
Dave's Woodworking of Palm Springs	Tankless Hot Water Heater	\$ 750.00	\$ -
Jerry Houston Ayers JR (handyman)	Electric Leaf Blower	\$ 310.32	\$ -
Manuel Martinez Landscaping	Electric Leaf Blower	\$ 750.00	\$ -
Candice Held Boutique	Reusable garment/laundry bags	\$ -	\$ 326.19
Palm Springs Cleaners	Purchase energy star washer	\$ 750.00	\$ -
Chill Bar	Reusable food ware	\$ -	\$ 750.00
Blue Sky Landscape Corp	Electric Blower	\$ 750.00	\$ -
Down to Earth Landscaping	Electric Leaf Blower Battery	\$ 750.00	\$ -
Above All Solutions	Electric Leaf Blower	\$ 184.63	\$ -
Desert Hand Car Wash	electric leaf blower	\$ 435.91	\$ -

Desert Star	Energy Efficient Landscape Lighting	\$ 750.00	\$ -
Cathedral City Upholstery	Bottle Filler and Energy Efficient Mini AC unit	\$ 741.53	\$ -
Daniel Brito Gardening Services	Electric blower and trimmer and mower	\$ 473.55	\$ -
All Seasons Cleaning Services	Electric Leaf Blower	\$ 195.96	\$ -
Terra Palms Landscape	Electric leaf blowers and trimmer	\$ 750.00	\$ -
Ocotillo Apartments - 1200 S Palm Canyon	Replace halogen with LED lighting for safety lights	\$ 568.84	\$ -
Arellano Maintenance	Leaf Blowers	\$ 750.00	\$ -
Greg Lee Worley CMT	Energy Star Washer/Dryer	\$ 750.00	\$ -
JMR Electric Co.	Leaf Blower	\$ 638.36	\$ -
Reset Ketamine	Biodegradable gloves	\$ 475.36	\$ 478.00
Bermuda Palms Apartments - 650 E Palm Canyon	Energy Efficient Lighting	\$ 726.37	\$ -
Raymon Salinas Fourplex	Washer and dryer	\$ 750.00	\$ -
Cobano Landscape & Irrigation, Inc.	Leaf Blower	\$ 750.00	
Kaiser Grill	Trash enclosure for organics recycling		\$ 750.00
Valley Office Equipment	Leaf Blowers	\$ 585.08	
Xenia v Farghaly Skin Care Services	Tankless Water Heater	\$ 750.00	
Lola Properties - 1932 E Calle Lileta	Energy Efficient Lighting	\$ 312.27	
Gerber Compound Apartments	composting bin with starter compost		\$ 105.08
Gerber Compound Apartments	electric leaf blower	\$ 75.38	
DA Computer	Install water/energy efficient water system	\$ 750.00	

#### Requests Approved and Awaiting Documentation

Organization Name	Action	Reserved Amount	Notes
Inn at Palm Springs	Install EV Charger	\$ 750.00	3/29 - Sent follow up email. Yes going to install
DA Computer	Install water/energy efficient water system	\$ 750.00	3/29/21 - Received partial receipts and W2. Need application, installation receipt
Hundred Mile House	EV Charging Station	\$ 750.00	Awaiting Install 3/29/21 - Sent follow up email. Have not purchased yet but planning too

Green Rock Investors	Water reuse system	\$ 750.00	RESERVED project pending 3/29 - Yes, will be sending in paperwork
Escape Room Palm Springs	Rechargeable batteries	\$ 750.00	3/29/21 Received list of items via email and PT approved.
Ray's Landscape & Gardening	Leaf Blower	\$ 750.00	Provided him with info about the state program
Thick as Thieves	Ceiling Fans	\$ 750.00	Asked him to get dc motor or energy star units 3/29 - Yes install in the next 2 weeks. Sent follow up email
Premier Construction	Electric Leaf Blower	\$ 750.00	Awaiting purchase 3/29 - Sent follow up email
Postal Palm Springs	Biodegradable peanuts - Styro alternative	\$ 500.00	Will split request 3/29 Sent follow up email
Townie Bagel	Purchase Recycling Bins for Customers	\$ 750.00	Waiting for more information 3/29 Sent follow up
Reyes Pool Services	Variable Speed pool pump	\$ 750.00	Getting Clarification on request
Edgar Ochoa Landscaping	Leaf Blower	\$ 750.00	confirming what he wants
Prestige Car	Air filtration equipment, lighting, water drainage system	\$ 750.00	Asked for more information
Xrayman Images	Replace old hot water heater with instant on unit	\$ 750.00	Doesn't want to pay extra for Energy Star product.
Joel Vasquez Garden Maintenance	Electric blower and trimmer and mower	\$ 750.00	Awaiting purchase
Chef Tanya	TBD	\$ 750.00	Awaiting more information
Kemaan Enterprises, Inc., DBA: Organic Wine Exchange	Reusable bags and Recyclable cardboard packaging (Styrofoam alternative)	\$ 750.00	Awaiting purchase 3/29 - Sent follow up email
Rosario Landscaping	Leaf Blowers	\$ 750.00	Must confirm payment of fines and confirm purchase.
CV Supersonic Cleaning	TBD	\$ 750.00	Awaiting feedback.
Raul's Gardening	Leaf Blowers	\$ 750.00	Awaiting purchase
Daniel Lendechy	Electric Leaf Blower	\$ 750.00	Waiting for receipt and W9
Tahquitz Investment Partners, LLC	EV Charging Station	\$ 750.00	Awaiting purchase
Your Signature Style	Sustainable Packaging	\$ 750.00	Awaiting purchase
The Gaffney Group	EV Charging Station for Estados South HOA	\$ 750.00	Awaiting purchase

## MEMORANDUM

DATE May 7, 2021

TO Patrick M. Tallarico, Manager, City of Palm Springs Office of Sustainability

FROM Tammy L. Seale, PlaceWorks, Climate Action and Resilience Principal  
Eli Krispi, PlaceWorks, Climate Action and Resilience Senior Associate  
Jessica Robbins, Project Planner, PlaceWorks

SUBJECT City of Palm Springs 2020 Greenhouse Gas Projections

### Introduction

This memo presents the estimate of community-wide greenhouse gas (GHG) emissions in Palm Springs for the calendar year 2020. PlaceWorks previously updated the City's 2010 community-wide and City operations GHG emissions inventories and prepared a 2018 community-wide GHG emissions inventory. The update of the 2010 community-wide GHG emissions inventory and preparation of the 2018 inventory, which was the year with most available data when the inventory work started in early 2020, allowed the City to see changes in emissions since the 2010 baseline. PlaceWorks has also used these results to prepare projections of the community-wide GHG emissions in 2020 and to identify the reductions achieved by existing State of California efforts and the launch of Desert Community Energy. These 2020 projections will serve as a foundation for identifying future GHG emissions and projecting a path for reducing these emissions.

### 2020 Community-wide GHG Emissions Projections

#### EMISSION PROJECTIONS

The draft 2020 projection of community-wide GHG emissions is based on the results of the 2018 community-wide GHG emissions inventory, combined with Palm Springs' 2018 and 2020 demographic estimates (population, households, and jobs). **Table 1** shows the demographic projections used to prepare the 2020 GHG emissions projection. Demographic data for 2018 is from the Southern California Association of Governments (SCAG) and the U.S. Census Bureau, while estimates of demographic data for 2020 are from SCAG.

**Table 1: Palm Springs Community-wide Demographic Projections, 2018 – 2020**

	2018	2020	PERCENTAGE CHANGE 2018 TO 2020	SOURCE
Population	47,710	49,000	3%	SCAG
Households	23,390	25,300	8%	SCAG
Jobs	33,370	35,400	6%	SCAG/U.S. Census Bureau
Service population *	81,080	84,400	4%	SCAG

\* Service population is the sum of population and jobs.

**CITY OF PALM SPRINGS**  
2020 GHG PROJECTIONS

The draft 2020 GHG forecast projections assume that each person in Palm Springs will continue to contribute the same amount of GHG emissions to the community total, so that the amount of GHG emissions increases proportional to the projected increase in community demographics. There are two exceptions to this assumption. Emissions associated with fertilizer and land use/biomass sequestration assume that the City does not develop open space land and that the number of street trees in the community remains constant. Emissions from the closed landfill will continue to decline as the material stored in that landfill continues to break down.

Without the impact of state policies, Desert Community Energy, or any other action at any level (local, regional, state, or federal), Palm Springs’ 2020 GHG emissions are projected to be 6 percent higher than 2018 levels. **Table 2** shows Palm Springs’ forecasted community-wide GHG emissions.

**Table 2: Palm Springs Draft Community-wide GHG Emissions Projections, 2018 – 2020**

SECTOR	2018 MTCO <sub>2</sub> E	2020 MTCO <sub>2</sub> E	PERCENTAGE CHANGE 2018 TO 2020
Residential energy	148,930	161,100	8%
Commercial and industrial energy	119,370	126,630	6%
Transportation	265,160	276,020	4%
Off-road equipment	490	570	16%
Solid waste	23,090	24,030	4%
Landfill	1,150	1,110	-3%
Water and wastewater	34,500	35,920	4%
Fertilizer	20	20	0%
Land use	-1,340	-1,340	0%
<b>Total</b>	<b>591,370</b>	<b>624,060</b>	<b>6%</b>

MTCO<sub>2</sub>e = Metric tons of carbon dioxide equivalent

Due to rounding, totals may not equal the sum of individual rows.

Most of the GHG emission sectors experienced a modest increase in emissions as the number of residents, households, and jobs in Palm Springs increased. However, the off-road sector experienced a larger increase in emissions, driven primarily by increases in construction emissions due to projections of more houses being constructed from 2019-2020 than from 2017-2018.

The 2020 GHG emission projections are estimates based on demographic changes and are not based on directly measured activity data. These estimates do not reflect the effects of stay-at-home orders or changes in behaviors or other activities as a result of the COVID-19 pandemic.

## **Reductions from Existing Programs**

### **STATE POLICY GHG EMISSION REDUCTIONS**

California has adopted and committed to implementing policies to decrease statewide GHG emission levels. Many of these policies are identified in the *Climate Change Scoping Plan* (Scoping Plan), which was first adopted in 2008 in response to the California Global Warming Solutions Act, also known as Assembly Bill 32. The Scoping Plan outlines several market-based and regulatory solutions to achieving California's GHG emission-reduction goals. Successive updates to the Scoping Plan in 2014 and 2017 revised these state-level actions and identified additional opportunities for GHG emission reductions.

While the Scoping Plan and related documents lay out several policies to reduce GHG emissions, not all are directly applicable to Palm Springs. Four of these policies are directly relevant, allowing Palm Springs to receive "credit" for the State's efforts. These efforts are:

1. The Renewables Portfolio Standard (RPS) that requires increases in renewable electricity supplies.
2. The Clean Car Standards that require increased fuel efficiency of on-road vehicles and decreased carbon intensity of vehicle fuels.
3. The updated Title 24 building energy efficiency standards that require new buildings to achieve increased energy-efficiency targets.
4. The Low Carbon Fuel Standard (LCFS) that mandates reduced carbon intensity of fuels used in off-road equipment.

### **DESERT COMMUNITY ENERGY**

In addition to the State's efforts, Palm Springs has taken actions at the local level to reduce its GHG emissions with the launch of Desert Community Energy. Desert Community Energy is a community-choice aggregator program (also called community clean energy or community choice energy), which allows local governments to purchase electricity for members of their communities. These programs offer community members greater choice on their electricity service, including price, energy sources, and funding decisions.

Desert Community Energy launched in Palm Springs in April 2020. Community members were enrolled by default in Desert Community Energy's Carbon Free program, which provides all of its electricity from renewable or another carbon-free program. Community members may choose to opt down to the Desert Saver program or return to receiving electricity from Southern California Edison. It is assumed that all City facilities and electrical accounts, including water and wastewater-related electrical use, are enrolled in the Carbon Free tier.

According to Desert Community Energy's April 2021 program activity update, 11.98 percent of Palm Springs customers opted down to Desert Saver and 7.39 percent opted out to Southern California Edison, leaving 80.63 percent of Palm Springs' electrical customers continuing to receive electricity from the Carbon Free program. Since Desert Saver provides renewable and carbon-free electricity at roughly similar proportions as Southern California Energy, only Carbon Free customers create GHG savings relative to conditions without Desert Community Energy.

An additional consideration for the 2020 projections is that Southern California Edison provided all electricity use citywide in the first three months of 2020 until Desert Community Energy began operating in April 2020. According to data from Southern California Edison, electricity use in these first three months



**CITY OF PALM SPRINGS**  
2020 GHG PROJECTIONS

accounted for 19.86 percent of the total 2020 electricity use in Palm Springs’ zip codes. For the purposes of these calculations, it is assumed that the participation rates mentioned herein are only applicable for the nine months of 2020 when Desert Community Energy was operating.

**EXISTING PROGRAM GHG EMISSION REDUCTIONS**

**Table 3** shows the total GHG emission reductions from existing State policies and Desert Community Energy.

PROGRAM	2020 EMISSIONS REDUCTION (MTCO <sub>2</sub> E)	AFFECTED SECTORS
Renewables Portfolio Standard	0 *	Residential energy, commercial and industrial energy, water and wastewater
Clean Car Standards	12,340	Transportation
Title 24	2,670	Residential energy, commercial and industrial energy
Low Carbon Fuel Standards	30	Off-road equipment
Desert Community Energy	115,070	Residential energy, commercial and industrial energy, water and wastewater
<b>Total</b>	<b>130,110</b>	-

\* The Renewables Portfolio Standard requires electrical utilities to supply at least 33 percent of their power from renewable sources by 2020. Since Southern California Edison supplied 39 percent of its power from renewable sources in 2018, it is already meeting this requirement, so no additional reductions are assumed.

With these programs, Palm Springs’ 2020 GHG emissions are projected to be 493,920 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e), which is 26 percent below the projections without existing programs and 16 percent below the total of the 2018 community-wide inventory. The commercial and industrial energy, water and wastewater, and residential energy sectors show significant declines in GHG emissions, owing mostly to reductions achieved by Desert Community Energy but also as a result of the Title 24 standards. Transportation emissions decline slightly due to the Clean Car Standards. While off-road equipment emissions are still projected to be higher in 2020 than they were in 2018, the increase is smaller as a result of the Low Carbon Fuel Standards. **Table 4** shows the projected 2020 GHG emissions with existing programs.

**CITY OF PALM SPRINGS**  
2020 GHG PROJECTIONS

**Table 4: Palm Springs Draft Community-wide GHG Emissions Projections with Existing Programs, 2018 – 2020**

SECTOR	2018 MTCO <sub>2</sub> E	2020 MTCO <sub>2</sub> E	PERCENTAGE CHANGE 2018 TO 2020
Residential energy	148,930	110,690	-26%
Commercial and industrial energy	119,370	72,200	-40%
Transportation	265,160	263,680	-1%
Off-road equipment	490	540	10%
Solid waste	23,090	24,030	4%
Landfill	1,150	1,110	-3%
Water and wastewater	34,500	22,990	-33%
Fertilizer	20	20	0%
Land use	-1,340	-1,340	0%
<b>Total</b>	<b>591,370</b>	<b>493,920</b>	<b>-16%</b>

Due to rounding, totals may not equal the sum of individual rows.

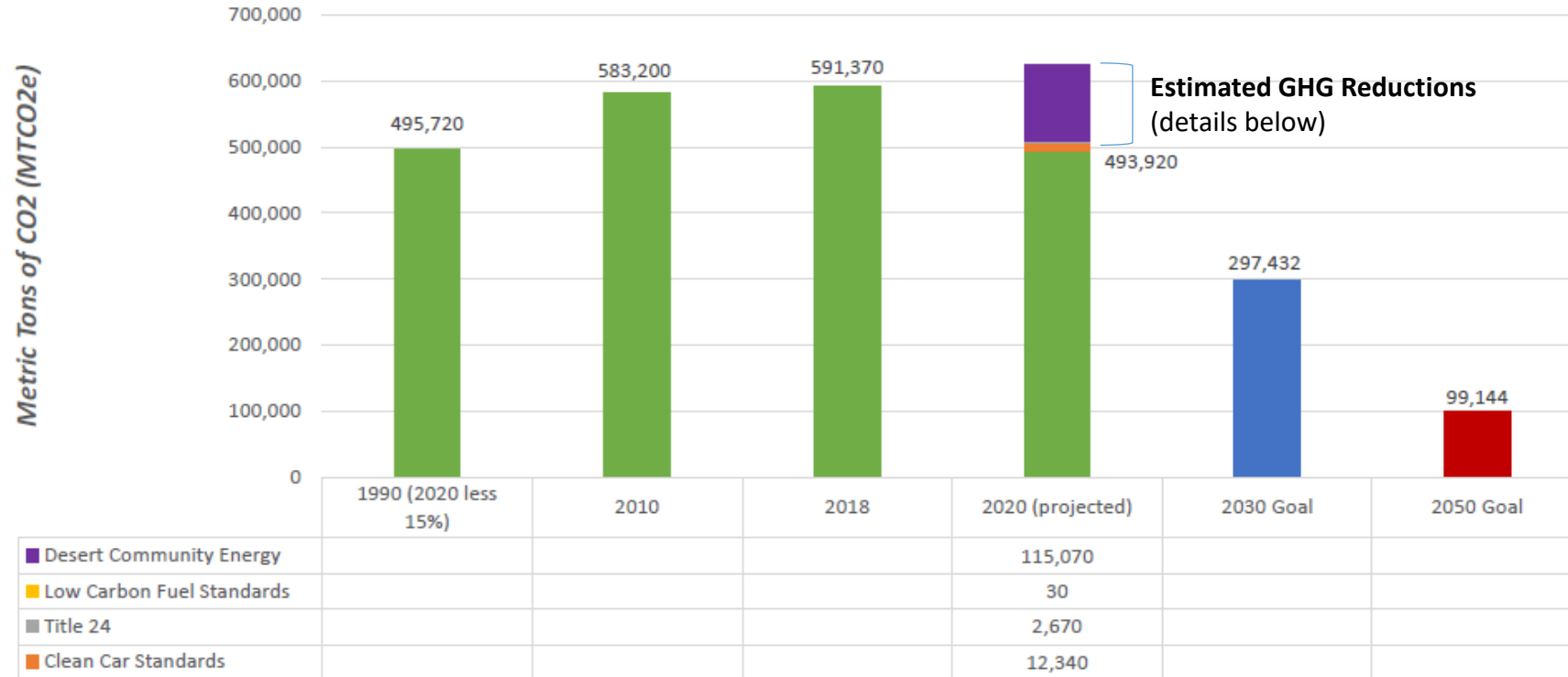
## Conclusion

With the reductions achieved as a result of the City’s participation in Desert Community Energy and through existing State programs, Palm Springs’ projected 2020 GHG emissions are estimated to be 493,920 MTCO<sub>2</sub>e. In 2010, the community-wide GHG emissions were 583,200 MTCO<sub>2</sub>e. Given this, Palm Springs’ 2020 GHG emissions are projected to be approximately 15 percent below 2010 levels. Without the reductions achieved by Desert Community Energy, Palm Springs’ projected 2020 GHG emissions would have been about 609,000 MTCO<sub>2</sub>e, or approximately 4.4% above 2010 levels.

California has adopted a target of reducing state-wide GHG emissions to 1990 levels by 2020. This target is also included in Palm Springs’ 2016 Sustainability Plan. According to the State’s Scoping Plan, which identifies local governments as strategic partners in meeting the State’s GHG emission-reduction targets, reducing GHG emissions 15 percent below 2005-2010 levels by 2020 would be equivalent to reducing GHG emissions to 1990 levels for local governments. Based on this interpretation in the Scoping Plan and the results presented in this memorandum, Palm Springs has achieved its 2020 GHG emissions reduction target by reducing emissions 15 percent below 2010 levels primarily as a result of the launch of Desert Community Energy and the commitment by most customers to stay with the Carbon Free program.

As previously noted, these projections of 2020 GHG emissions do not take into account the impacts of the COVID-19 pandemic. Due to significant changes in behavior as a result of the pandemic, it is likely that GHG emission inventories for 2020 and 2021 will not accurately reflect long-term trends. Assuming that the pandemic has a much smaller impact on behavior in 2022, PlaceWorks recommends that Palm Springs prepare a 2022 GHG inventory when data is available, likely in the middle of 2023. This will allow the community to more accurately assess its GHG emissions trend and identify progress on longer-term GHG emission reductions.

## City of Palm Springs Green House Gas Emmissions



### NOTES:

- Due to differences in calculation methods in 1990, the State has indicated that a reduction of 15% of 2010 levels is the equivalent of the 1990 baseline.
- 2030 Goal is based on a 40% reduction of the revised 1990 data.
- 2050 Goal is based on an 80% reduction of the revised 1990 data.
- In 2018, this number rose to 591,370 MTCO<sub>2</sub>e. However, with the reductions achieved as a result of the City's participation in Desert Community Energy and reductions from other statewide initiatives, Palm Springs' projected 2020 GHG emissions are estimated to be 493,920 MTCO<sub>2</sub>e – below the adjusted goal. Without Desert Community Energy, the City would be about 609,000 MTCO<sub>2</sub>e, or approximately 4.4% above 2010 levels. The Community's commitment to stick with the DCE Carbon Free program helped the City reduce its emissions by over 115,000 MTCO<sub>2</sub>e.



# City of Palm Springs

## Development Services Department Office of Sustainability

**TO:** Sustainability Commission

**FROM:** Patrick Tallarico, Manager

**SUBJECT:** Food Ware Ordinance Discussion Points

**MEETING DATE:** May 18, 2021

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At the May 6, 2021, City Council unanimously voted for staff to move forward with a new ordinance designed to promote reusable food ware and reduce waste from single-use polystyrene. The draft included an implementation date of Jan.1, 2022, so that the City can conduct outreach and provide technical assistance while businesses transition to these new requirements.

Although the draft was approved, there are several points that Staff is in the process of clarifying. These points are included below to provide an opportunity for Commission members to provide their input.

- 1) **Clarify language related to what paper products are allowed in 5.87.002b**, which states “Non-reusable paper food wrappers, sleeves and bags; foil wrappers; paper napkins; and paper tray and plate-liners shall be allowed for on-site food consumption.” We are working on clarifying that these materials would be acceptable in an organic waste collection (except aluminum). In particular, we need to know from them what specifications they might have for these products and if there is a specific type of material they will or will not take. We also need to clarify if this list is exhaustive or if other materials could be included here. Examples from other cities include:
  - a. Disposable foodware such as paper food wrappers, napkins, straws, and paper liners are allowed for onsite dining but must be fiber-based compostable.
  - b. Prepared Food served for consumption on the premises of a Prepared Food Vendor shall only be served using Reusable Foodware, except that disposable paper food wrappers, sleeves and bags; foil wrappers; paper napkins; straws and paper tray and plate-liners shall be allowed for dining on the premises.
- 2) **Clarify if we need to expand the fluorinated chemical limit to other food ware.** The current language restricts that prohibition to compostable material, but it could be in any paper or fiber-based product. We plan to revise that reference.
- 3) **Clarify if “by request only” is just a request by the customer or if a vendor can ask.** Input from our consultant expressed a strong feeling that it be limited to on request only so that the default is that materials are not distributed unless asked for. This would not prohibit a vendor from

asking the question if they want to confirm, but it would not be written into the ordinance. It would be good to get Commission perspective on this.

- 4) **Confirm the definition of plastic.** The current definition only focuses on petroleum-based products with the idea that we could allow some compostable plastic. However, the field of compostable bioplastics is complicated and it will definitely not be accepted in our composting program. Our consultant indicated that CalRecycle may be putting forward some restrictions on bio-plastics, so their use as compostable material may be short lived, although it may still be a less problematic option than petroleum-based material. The Commission should consider if it wants to exclude 'bio' plastics or whether to only allow "bio" plastic straws.
- 5) **Potentially add a condition that disposables must be recyclable or compostable.** Many jurisdictions have included such a provision. Regarding recycling, it is becoming clearer what range of products can be processed in our recycling system, but cups remain a challenge. The most common plastic cup is a 1, but they are not sorted in the system. It is unclear if HDPE (#2) cups are an appropriate substitute, but those can be sorted in the system. Again, anything that could be recycled would need to be free of contamination.

Many of these places that are directing people to use compostable products have access to industrial composting processes that can accommodate a wider variety of compostable materials. We do not. However, there are people that feel that moving to compostables or fiber-based material is better than having plastic litter. I have asked for a call with Burrtec to see if we can get a clear answer about what will and won't be acceptable in their new composting facility. This could also affect our requirement that compostable material meet a certain standard. It seems strange and confusing to ask people to buy a product that meets a certain standard for composting if that product is not going to be composted. This issue was raised at our first stakeholder meeting.

Commission input is welcome on how to deal with this challenging situation.

- 6) **Clarify the fee on disposable containers.** Staff is gathering more information to support a \$.25/cup or container charge up to \$.50. This upper limit helps deter vendors from pointing people to disposables because they make more money off of them. Council had suggested an incentive-based approach, but fees have historically been more effective than incentives. However, if we retain the incentive for reusables, that should probably be included as an "and" not an "or." So, a vendor would need to charge for disposables AND provide an incentive for reusables. If there is reusable cup charge, it should definitely be less than a fee for the disposables. However, a reusable cup charge would be a per cup charge and may be larger than \$.50 if people purchase multiple cups. Another complication of our ordinance is that it includes a cup AND container charge. The table below provides a few scenarios for discussion. This could also be phased. Have a simple \$.25/cup or container fee up to a max of \$.50, and require an incentive for reusables. When the City has a viable cup or container service, the fees could be changed such that the reusable alternative is not more expensive than the disposable.

	Fee	Incentive
Vendor that has no reusable cup or container service alternative	\$.25/cup or container \$.50 max charge	\$.10 discount per reusable cup provided by customer No limit for discounts
Vendor has a reusable cup or container service	\$.25/cup or container No cap on fee	Fee for reusable alternative must be no more expensive than the disposable alternative. No cap on reusable cup fees
Vendor has a reusable cup service but no reusable container service (more likely)	\$.25/cup No cap on cup fee  \$.25/container \$.50 max fee on containers	Fee for reusable alternative must be no more expensive than the disposable alternative. No cap on reusable cup fees  \$.10 discount per reusable cup provided by customer No limit for discounts

7) **Clarify how the people on aid programs would get their fee waived.** The City of Arcata has more explicit language about this. It states “All Customers demonstrating, at the point of sale, a payment card or voucher issued by the California Special Supplemental Food Program for Women, Infants, and Children (WIC) pursuant to Article 2 (commencing with Section 123275) of Chapter 1 of Part 2 of Division 106 of the California Health and Safety Code, or an electronic benefit transfer card (EBT) issued pursuant to Section 10072 of the California Welfare and Institutions Code, shall be exempt from the Disposable Foodware charge.” Although it may not avoid every uncomfortable exchange if someone does not have a card or voucher, it is more clear about how the discount would be issued.

<b>BUDGET SUMMARY 2021-2022</b>	<b>SUSTAINABILITY</b>	<b>RECYCLING</b>
Expected Revenue	\$ 350,000	\$ 150,000
"Money in the Bank"	\$ 700,000	\$ 700,000
Turf Rebates Expected	\$ 80,000	
Beverage Grant		\$ 12,000
Battery Grant		\$ 8,000
Personnel Expenses	\$ (155,000)	\$ (155,000)
Training/Conferences/Memberships	\$ (1,500)	\$ (3,000)
Office Supplies	\$ (1,500)	\$ (1,500)
"Special" Charges	\$ (28,000)	\$ (18,000)
<b>Program Funds Available</b>	<b>\$ 944,000</b>	<b>\$ 692,500</b>
<b>Program Expenses</b>		
Airport Turf Conversion	\$ (170,000)	
EV Charging Stations	\$ (110,000)	
Community Garden (JOJ, maintenance)	\$ (20,000)	
Leaf Blower Rebates	\$ (50,000)	
HHW Facility Support		\$ (10,000)
Trash/Recycling containers		\$ (25,000)
Shredding/Ewaste Events		\$ (11,000)
Sustainability Scholarships (food ware, organics)		\$ (100,000)
Battery Collection		\$ (8,000)
Reusable Cup/Container Pilot		\$ (75,000)
Consulting Fees (Organics, food ware)		\$ (100,000)
Consulting Fees (GHG, Strategy)	\$ (50,000)	
Communication & Outreach (Food ware, organics, recycling)		\$ (75,000)
Communication & Outreach (General)	\$ (30,000)	
Bike Infrastructure*	\$ (75,000)	
<b>Total Available</b>	<b>\$ 439,000</b>	<b>\$ 288,500</b>

**GENERAL FUND REQUEST**

Water Efficiency/Turf Conversion	\$ 250,000
Bike Infrastructure	\$ 75,000
Fencing at Community Garden	\$ 15,000



# COMMITTEE REPORT

PRESENTED FOR COMMISSION MEETING DATE: 05/18/21

SUBMITTED BY: David Freedman

COMMITTEE NAME: Standing Committee on Solar and Green Building

SUBMITTED DATE: 05/12/21

COMMITTEE MEETING DATE: 05/04/21

NEXT COMMITTEE MEETING DATE: 06/01/21, 10:30 AM

## Committee Meeting Agenda:

- A. GHG Inventory Update
- B. Cost Effectiveness Explorer Results Summary
- C. EV Charger Expansion
- D. Hydrogen Fuel Stations
- E. SolarApp
- F. Sustainability Scholarship and Home Energy Assessment Rebates
- G. DCE Issues/Updates
- H. Agenda Items for May Commission Meeting
- I. Adjournment

## Summary:

Commissioner Flanagan was unable to attend the Committee meeting. Manager Tallarico and Program Coordinator Sheldon represented the Office of Sustainability. Commission Chair Clark also attended, as did Kim Floyd of Palm Desert and the Sierra Club. In the absence of a quorum for a formal Committee meeting, the focus was on the reporting items on the posted agenda.

### A. GHG Inventory Update

Manager Tallarico reported that PlaceWorks has sent the raw data for the 2010 and 2018 GHG inventories, and he was able to verify the GHG emissions numbers for waste disposal. He will look at other data sets.

Manager Tallarico also reported that he expects to receive from PlaceWorks the 2020 GHG inventory projections in time for the May 18 Commission meeting. The data show that Palm Springs has achieved its 2020 GHG emissions reduction target under AB 32 and City policy by reducing emissions 15 percent below 2010 levels primarily as a result of the launch of Desert Community Energy (DCE) and the commitment by most customers to stay with the Carbon Free program.

Manager Tallarico Council said he expects to present the GHG inventory reports to Council before the summer break, together with a discussion of actions the City has taken and can take to reduce its GHG emissions.



B. Cost Effectiveness Explorer Results Summary

Commissioner Freedman presented his summary of data from the Cost Effectiveness Explorer, as shown in the attached report prepared for the May 4 Committee meeting. Various energy efficiency measures in existing homes are cost-effective over their life cycle.

Commissioner Freedman will prepare a proposal for consideration at the June Committee and Commission meetings that would require certain residential remodels to carry out energy efficiency upgrades when such measures are not already triggered by California Energy Code provisions. In addition, existing homes with steep slope roofs undergoing a roof replacement and new homes with steep slope roofs would have to install cool roofs having an aged solar reflectance higher than required by the Energy Code. Commissioner Freedman has asked Manager Tallarico to obtain building permit data that would enable Commissioner Freedman to calculate how much GHG emissions would be reduced by such measures. The California Energy Commission has already approved similar ordinances.

C. EV Charger Expansion

Manager Tallarico reported that he is continuing to work with contractor for permitting. Permits for the City Hall and Downtown Museum parking lots are close. Manager Tallarico is still waiting for the signed agreement. The contractor has questions on the surety bond, which have been referred to the City Attorney.

Manager Tallarico further reported that charging stations at the James O. Jessie Center would be upgraded, but there would be no cost to use them. He also noted that there is continued interest in private EV charging stations.

Commissioner Freedman commented that the City should consider electrifying its vehicle fleet. Chair Clark noted that making recommendations on the City fleet is in the Sustainability Manager's job description that was prepared in connection with the hiring of Manager Tallarico.

D. Hydrogen Fuel Stations

Manager Tallarico reported that he had a conversation with an organization interested in public-private partnerships for hydrogen fuel stations. The organization sent note to leading providers to let them know of the City's interest. Manager Tallarico also noted that Sunline is moving forward on a hydrogen fuel station at its Thousand Palms headquarters, which would be open to the public.

E. SolarApp

Commissioner Freedman reported on his meeting together with DCE staff on the Solar Automated Permit Processing Plus (SolarAPP+) platform developed by the National Renewable Energy Laboratory (NREL). SolarApp+ has now launched and is being further developed to include battery storage permitting. NREL has announced a memorandum of understanding with UL to work toward further developing and commercializing the SolarAPP+ software. Commissioner Freedman will continue to follow the SolarAPP+ development and report back once the battery storage permitting component is in place.

At its May 6 meeting, Council approved a letter of support for SB 617, which would require local agencies to implement an automated solar permitting plan such as SolarAPP+. The Senate Energy, Utilities and Communications approved SB 617 on May 4, and it has been set for a hearing in the Senate Appropriations Committee on May 17.

F. Sustainability Scholarship and Home Energy Assessment Rebates

Manager Tallarico reported that he had received an inquiry but no formal application for a home energy assessment rebate. An HOA has inquired about an EV charger, which would be eligible for a rebate assuming the HOA were registered as a business with the City.

G. DCE Issues/Updates

At its April 22 meeting, Council approved a letter of support of SB 612, which would help ensure that all electricity customers, including those of Community Choice Aggregators such as DCE, are treated equally by providing all customers with fair access and fair value for legacy resource benefits held by an investor-owned utility such as DCE. The Senate Energy, Utilities and Communications approved SB 612 on May 4, and it has been set for a hearing in the Senate Appropriations Committee on May 17.

Manager Tallarico reported that he had reached out to DCE staff for information on AB 1139, which would limit the Net Energy Metering credits that solar customers receive on their bills for the electricity they generate. The Assembly Utilities and Energy Committee approved AB 1139 on May 4. It was amended by its author on May 11 and referred to the Assembly Appropriations Committee.

The next DCE Board meeting will be on June 21.

H. Agenda Items for May Commission Meeting

Manager Tallarico and Commissioner Freedman divided the topics they will each present at the May 18 Commission meeting, reflecting the matters discussed above.

Manager Tallarico reported that he will be asking the Measure J Oversight Commission for funding to cover City water efficiency projects and bike racks. He will include FY 21-22 budgeting in his staff report.

I. Adjournment

The Committee meeting adjourned to June 1, 2021, at 10:30 AM.

**Recommendation/Request:**

Continuing working on energy-related GHG reduction measures to further City and State goals.

<b>ACTION ITEMS REQUEST TO COMMISSION</b>	<ul style="list-style-type: none"><li>• Approve GHG inventory action items when they are presented.</li></ul>
<b>ACTION ITEMS REQUEST TO OFFICE OF SUSTAINABILITY</b>	<ul style="list-style-type: none"><li>• Finalize GHG inventory and work with City Manager to schedule Council discussion of it.</li><li>• Implement EV charger deployment.</li><li>• Process Sustainability Scholarship and home energy assessment pilot program applications.</li></ul>
<b>POTENTIAL FISCAL IMPACT/REQUEST IF ANY</b>	<ul style="list-style-type: none"><li>• The City has received more than \$150,000 in grant funding for EV chargers, which will be used in connection with the installations,</li></ul>

	<p>unless the grants expire before they can be used. The City will not incur any costs for the Level III stations but will incur a cost of \$4,500 for each Level II charging station. The City will receive leasing revenues totaling about \$18,900 per year. Both the costs and the revenues will be in the Sustainability budget.</p> <ul style="list-style-type: none"><li>• The Commission budgeted \$100,000 in FY 20-21 for the Sustainability Scholarship.</li><li>• The Commission also budgeted \$10,000 in FY 19-20 for the home energy assessment rebate pilot program, which has been carried over to the FY 20-21 budget.</li></ul>
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## MEMORANDUM

DATE: April 28, 2021

SUBJECT: Cost-Effectiveness Explorer Results Summary

TO: Commissioner Flanagan, Solar and Green Building Committee Member  
Patrick Tallarico, Manager, Office of Sustainability

FROM: David Freedman, Solar and Green Building Committee Member

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The California Energy Commission (CEC) encourages local governments to adopt energy efficiency standards exceeding the Energy Code, known as reach codes. The CEC considers that these jurisdictions are living laboratories for a clean energy future, reduce state GHG emissions and lead from the grassroots.

Local governments are required to apply to the CEC for approval prior to enforcement of such standards. The CEC must find that the local standards will require buildings to be designed to consume no more energy than permitted by the Energy Code, and the application must include the basis of the local government's determination that its standards are cost-effective. CEC staff reviews the application to confirm these criteria are met and makes a recommendation for CEC approval based on the findings. The CEC has already approved more than 40 local reach codes exceeding the 2019 Energy Code.

The Codes and Standards Program under the auspices of the California Public Utilities Commission has issued cost-effectiveness studies to help local jurisdictions determine which measures save energy and are cost effective and support the finding required by state law. The Codes and Standards team has developed the Cost-Effectiveness Explorer as an online tool using data from the cost-effectiveness studies that local jurisdiction staff and other stakeholders could use to simplify initial reach code research. The tool allows users to identify cost-effective reach code options as well as to better understand the impacts on their local communities of different possible scenarios. I represent Palm Springs on the Codes and Standards Reach Codes Working Group and am one of the Explorer beta testers.

The Cost-Effectiveness Results Summary (Exhibit A) shows that various energy efficiency measures and packages described in the attached excerpt from the 2019 Cost-Effectiveness Study: Existing Low-rise Residential Building Efficiency Upgrade study (Exhibit B) are cost effective in both single- and multifamily residences built before 2005. The prototypes for existing residential buildings are 1,665 ft<sup>2</sup> for a single-family home and 960 ft<sup>2</sup> per unit for a multifamily building.

Costs for initial installation and annual operation, and on-bill benefits from reduced energy costs, are calculated over the life cycle of the equipment (30 years except for LED lighting). The benefit / cost calculations generally assume an escalation of utility rates,<sup>1</sup> a real discount rate of 3 percent and first

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<sup>1</sup> Based on Southern California Edison electricity rates and Southern California Gas gas rates. Utility savings could potentially be higher for Desert Community Energy customers on its Carbon Free product and slightly lower for customers on its Desert Saver product.

incremental costs being financed into a mortgage or loan of 30 years at a rate of 5% for single-family homes and 10 years at a rate of 4% for multifamily homes. Maintenance costs were not included for any measures because there are no incremental maintenance costs expected for any of the measures evaluated.

In addition to the cost savings, the energy efficiency measures would also reduce GHG emissions. The on-bill data do not include either the social cost of higher GHG emissions leading to air and water pollution, droughts and wildfires or the non-energy benefits of improved public health and a sustainable economy.

Among the reach codes that the CEC has already approved, Carlsbad and Chula Vista in San Diego County require certain residential remodels to carry out energy efficiency upgrades when such measures are not already triggered by Energy Code requirements. Piedmont (surrounded by Oakland) has adopted a similar ordinance, which is awaiting CEC approval. The cost-effectiveness findings are based on the 2019 study noted above.

The threshold in the Carlsbad energy efficiency ordinance is \$60,000, the same threshold that triggers a local Coastal Development Permit. The Piedmont ordinance requires one upgrade from the list if the stated project value is \$25,000 or more and two listed upgrades if the stated project value is \$100,000 or more.

The Chula Vista ordinance does not have a threshold, but 2 to 4 energy efficiency upgrades are required based on the age of the home and the Climate Zone where the home is located. If the cost of completing required energy efficiency measures exceeds 20% of the overall project cost without those measures, applicants can propose a more limited set from among the required measures that does not exceed 20%. Other exemptions exist, including for low-income households and homes fully powered by solar PV. A summary of the Chula Vista ordinance is also attached (Exhibit C).

## Cost-Effectiveness Results Summary

# City of Palm Springs

## Climate Zone 15



## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built before 1978 (5,956 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	9.67	2.37	\$1,054	\$445.25	0.44 (9.95%)	\$10,568
R38 Attic Insulation	6	3.82	\$593.78	\$155.58	0.155 (3.49%)	\$3,695
Duct Sealing	57.1	0.401	\$120.00	\$299.43	0.289 (6.53%)	\$7,101
Cool Roof	14	1.63	\$183.74	\$112.77	0.103 (2.32%)	\$2,666
Windows	2.26	10.1	\$5,873	\$581.09	0.559 (12.6%)	\$13,772
Water Heating Package	2.92	8.91	\$168.20	\$18.87	0.088 (1.98%)	\$508.68
LED Lamp vs. CFL	4.52	5.05	\$9.12	\$1.81	0.002 (0.007%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.115%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built before 1978 (5,956 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	740	283,578	\$780,315	\$5.89M
R38 Attic Insulation	740	100,873	\$439,393	\$2.06M
Duct Sealing	740	181,774	\$88,800	\$3.96M
Cool Roof	740	57,586	\$135,971	\$1.49M
Windows	740	343,568	\$4.35M	\$7.69M
Water Heating Package	740	98,540	\$124,466	\$249,613
LED Lamp vs. CFL	740	1,034	\$6,749	\$23,889
LED Lamp vs. Incandescent	740	18,109	-\$22,156	\$418,415



## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built from 1978 to 1991 (3,053 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	5.26	4.35	\$986.62	\$226.99	0.219 (6.38%)	\$5,382
R38 Attic Insulation	3.33	6.87	\$525.92	\$76.54	0.074 (2.16%)	\$1,816
Duct Sealing	28.2	0.812	\$120.00	\$147.81	0.138 (4.01%)	\$3,501
Cool Roof	10.9	2.09	\$183.74	\$87.91	0.082 (2.38%)	\$2,080
Water Heating Package	2.92	8.91	\$168.20	\$18.87	0.088 (2.55%)	\$508.68
LED Lamp vs. CFL	4.52	5.05	\$9.12	\$1.81	0.002 (0.008%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.148%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built from 1978 to 1991 (3,053 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	380	69,994	\$374,916	\$1.54M
R38 Attic Insulation	380	24,171	\$199,848	\$519,828
Duct Sealing	380	42,568	\$45,600	\$1.00M
Cool Roof	380	24,197	\$69,823	\$597,018
Water Heating Package	380	50,602	\$63,915	\$128,180
LED Lamp vs. CFL	380	531	\$3,466	\$12,267
LED Lamp vs. Incandescent	380	9,299	-\$11,377	\$214,862

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built from 1992 to 2005 (231 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	4.51	5.07	\$986.62	\$194.60	0.191 (6.27%)	\$4,613
R38 Attic Insulation	2.79	8.2	\$525.92	\$64.13	0.066 (2.15%)	\$1,521
Duct Sealing	24.5	0.931	\$120.00	\$128.84	0.122 (3.99%)	\$3,051
Cool Roof	9	2.54	\$183.74	\$72.46	0.069 (2.26%)	\$1,714
Water Heating Package	2.92	8.91	\$168.20	\$18.87	0.088 (2.87%)	\$508.68
LED Lamp vs. CFL	4.52	5.05	\$9.12	\$1.81	0.002 (0.009%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.166%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Multifamily Units | Built from 1992 to 2005 (231 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	20	3,187	\$19,732	\$69,562
R38 Attic Insulation	20	1,122	\$10,518	\$22,925
Duct Sealing	20	1,972	\$2,400	\$46,055
Cool Roof	20	1,071	\$3,675	\$25,901
Water Heating Package	20	2,663	\$3,364	\$6,746
LED Lamp vs. CFL	20	27.9	\$182.40	\$645.64
LED Lamp vs. Incandescent	20	489	-\$598.80	\$11,309

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built before 1978 (12,485 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	6.04	3.11	\$3,472	\$1,116	1.12 (15.5%)	\$26,499
R38 Attic Insulation	3.2	5.89	\$2,273	\$385.90	0.424 (5.84%)	\$9,184
Duct Sealing	53.2	0.353	\$240.00	\$679.84	0.649 (8.94%)	\$16,132
Cool Roof	8.72	2.15	\$634.92	\$295.95	0.256 (3.52%)	\$6,988
Windows	1.61	11.7	\$9,810	\$839.79	0.794 (10.9%)	\$19,900
Water Heating Package	2.45	8.71	\$208.31	\$23.92	0.102 (1.41%)	\$644.75
LED Lamp vs. CFL	3.71	5.05	\$9.12	\$1.81	0.002 (0.004%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.07%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built before 1978 (12,485 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	1,560	1.55M	\$5.42M	\$31.1M
R38 Attic Insulation	1,560	607,659	\$3.55M	\$10.8M
Duct Sealing	1,560	870,004	\$374,400	\$19.0M
Cool Roof	1,560	288,503	\$990,475	\$8.25M
Windows	1,560	1.02M	\$15.3M	\$23.4M
Water Heating Package	1,560	242,807	\$324,958	\$666,965
LED Lamp vs. CFL	1,560	2,180	\$14,227	\$50,360
LED Lamp vs. Incandescent	1,560	38,175	-\$46,706	\$882,064

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built from 1978 to 1991 (5,964 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	3.27	5.75	\$3,212	\$558.66	0.537 (10.5%)	\$13,257
R38 Attic Insulation	1.79	10.5	\$2,013	\$191.81	0.206 (4.04%)	\$4,559
Duct Sealing	25.9	0.726	\$240.00	\$330.66	0.293 (5.76%)	\$7,835
Cool Roof	6.59	2.84	\$634.92	\$223.48	0.189 (3.72%)	\$5,282
Water Heating Package	2.45	8.71	\$208.31	\$23.92	0.102 (2.01%)	\$644.75
LED Lamp vs. CFL	3.71	5.05	\$9.12	\$1.81	0.002 (0.006%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.1%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built from 1978 to 1991 (5,964 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	740	344,003	\$2.38M	\$7.39M
R38 Attic Insulation	740	136,952	\$1.49M	\$2.54M
Duct Sealing	740	179,207	\$177,600	\$4.37M
Cool Roof	740	104,123	\$469,841	\$2.96M
Water Heating Package	740	115,178	\$154,147	\$316,381
LED Lamp vs. CFL	740	1,034	\$6,749	\$23,889
LED Lamp vs. Incandescent	740	18,109	-\$22,156	\$418,415



## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built from 1992 to 2005 (4,069 units)**

Table 1 of 2

Measure	Cost-Effectiveness		Per Home Results			
	On-Bill Benefit/Cost Ratio	Simple Payback	Incremental Cost	Annual Bill Savings	Emissions Savings	Lifecycle Savings
Envelope & Duct Package	3.08	6.1	\$3,212	\$526.48	0.492 (11%)	\$12,492
R38 Attic Insulation	1.9	9.88	\$2,013	\$203.71	0.212 (4.73%)	\$4,841
Duct Sealing	23.4	0.801	\$240.00	\$299.45	0.257 (5.75%)	\$7,095
Cool Roof	5.93	3.15	\$634.92	\$201.26	0.164 (3.66%)	\$4,755
Water Heating Package	2.45	8.71	\$208.31	\$23.92	0.102 (2.29%)	\$644.75
LED Lamp vs. CFL	3.71	5.05	\$9.12	\$1.81	0.002 (0.006%)	\$42.77
LED Lamp vs. Incandescent	∞	Immediate	-\$29.94	\$31.64	0.03 (0.113%)	\$749.09

## EXISTING LOW-RISE RESIDENTIAL BUILDINGS (2019)

**Single Family Homes | Built from 1992 to 2005 (4,069 units)**

Table 2 of 2

**City-wide Estimates**

Measure	Total Affected Units	Emissions Savings	Total Compliance Cost	Lifecycle Savings
Envelope & Duct Package	500	212,399	\$1.61M	\$4.70M
R38 Attic Insulation	500	94,889	\$1.01M	\$1.82M
Duct Sealing	500	106,205	\$120,000	\$2.68M
Cool Roof	500	60,038	\$317,460	\$1.80M
Water Heating Package	500	77,823	\$104,153	\$213,771
LED Lamp vs. CFL	500	699	\$4,560	\$16,141
LED Lamp vs. Incandescent	500	12,236	-\$14,970	\$282,713

## Sources

### 2019 Cost-Effectiveness Study: Existing Low-Rise Residential Building Efficiency Upgrade

California Energy Codes and Standards Program, PG&E. Produced by: Frontier Energy, Inc, Misti Bruceri & Associates.

### 2019 Cost-Effectiveness Study: Low-Rise Residential New Construction

California Energy Codes and Standards Program, PG&E. Produced by: Frontier Energy, Inc, Misti Bruceri & Associates.

### 2019 Nonresidential New Construction Reach Code Cost-Effectiveness Study

California Energy Codes and Standards Program, SoCal Edison. Produced by: TRC, EnergySoft.

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### 3.2 Efficiency Measures

The methodology used in the analyses for each of the prototypical building types begins with a design that matches the specifications as described in Table 2 for each of the three vintages. Prospective energy efficiency measures were modeled in each of the prototypes to determine the projected electricity and natural gas energy savings relative to the baseline vintage. In some cases, where logical, measures were packaged together. Unless specified otherwise, all measures were evaluated using CBECC-Res.

All measures are evaluated based on work required above and beyond any work triggered by Title 24 code requirements. Measures apply regardless of the scope of the remodel and are evaluated assuming they are not otherwise required by Title 24. For example, duct sealing is required by code whenever heating and cooling equipment is altered. For this analysis duct sealing was evaluated for those projects where it is not already triggered by code (i.e., no changes to the heating or cooling equipment). Where appropriate, measure requirements align with those defined in Title 24. The one exception is the cool roof measure which applies when a building is already installing a new roof as part of the remodel. The minimum solar reflectance value is more stringent than that required in Title 24, Part 6.

Following are descriptions of each of the efficiency upgrade measures applied in this analysis.

**Attic Insulation:** Add attic insulation in buildings with vented attic spaces to meet R-38.

**Air Sealing & Weather-stripping:** Apply air sealing practices throughout all accessible areas of the building. For this study, it was assumed that older vintage buildings would be leakier than newer buildings and that approximately 30% improvement in air leakage was achievable through air sealing of all accessible areas. For modeling purposes, it was assumed that air sealing can reduce infiltration levels from 10 to 7 air changes per hour at 50 Pascals pressure difference (ACH50) in the two older vintages (pre-1992) and from 7 to 5 ACH50 in the newer vintage.

**Cool Roof:** For steep slope roofs, install a roofing product rated by the Cool Roof Rating Council (CRRC) with an aged solar reflectance of 0.25 or higher and thermal emittance of 0.75 or higher. This measure only applies to buildings that are installing a new roof as part of the scope of the remodel; the cost and energy savings associated with this upgrade reflects the incremental step between a standard roofing product with one that is CRRC rated with an aged solar reflectance of 0.25. This is similar to cool roof requirements in 2019 Title 24 Section 150.2(b)11i but assumes a higher solar reflectance.

**Window Replacement:** Replace existing single pane windows with a dual pane product, which has a U-factor equal to 0.32 or lower and a Solar Heat Gain Coefficient (SHGC) equal to 0.25 or lower. This measure was only evaluated for the pre-1978 vintage, which is assumed to have single-pane, metal-frame windows.

**Duct Sealing:** Air seal all ductwork to meet the requirements of the 2019 Title 24 Section 150.2(b)1E. For this analysis, a final duct leakage value of 15 percent was applied, which corresponds to Option i in the Title 24 code section referenced.

**Water Heater Blanket:** Add R-6 insulation to the exterior of existing residential tank storage water heaters. For the analysis, the water heater was modeled within conditioned space, which is a typical configuration for older homes. This assumption is conservative since a water heater located in unconditioned space will tend to have higher tank losses and installing a water heater blanket in those situations will result in additional savings. The energy savings for this measure reflect only water heating energy savings only, and do not include any impacts to the space conditioning load, which reduces space cooling loads and increases space heating loads. The impact on space conditioning energy used would be minimal. In most climates, with the exception of heating dominated ones, the combination of these two impacts results in net energy savings. This measure was



evaluated using EnergyPlus. This measure was evaluated for individual water heaters only and would not apply to central water heating systems.

**Hot Water Pipe Insulation:** Insulate all accessible hot water pipes with R-3 pipe insulation. In certain buildings which have slab on grade construction, and the majority of pipes located either underground or within the walls, most of the pipes will be inaccessible. For the purposes of this analysis a conservative assumption that only ten percent of the pipes could be insulated was applied. In buildings where pipes are located in the attic, crawlspace, or are otherwise more accessible, energy savings will be higher than those presented in this analysis. This measure was evaluated using BEopt and EnergyPlus.

**Low Flow Fixtures:** Upgrade sink and shower fittings to meet current CALGreen requirements, which require maximum flow rates of 1.8 gallons per minute (gpm) for showerheads and kitchen faucets, and 1.2 gpm for bathroom faucets. Baseline whole house hot water use was based on BEopt assumptions and this measure assumed the upgraded fixtures reduce flow rates by ten percent for showerheads and 20 percent for all faucets based on a 2010 water use study (ConSol, 2010). This measure was evaluated using BEopt and EnergyPlus.

**LED Lighting:** Replace screw-in incandescent lamps and compact fluorescent lamps (CFLs) with screw-in light emitting diode (LED) lamps. This analysis was conducted external to the energy model evaluated replacement of both a single 45 W incandescent lamp and a 13W CFL lamp with an 11 W LED lamp operating 620 hours annually. Annual hour estimates were based on whole building average hours of operation from a 2010 lighting study by KEMA (KEMA, 2010). Lifetime assumptions were 1,000 hours for incandescent lamps, 10,000 hours for CFLs and 25,000 hours for LED lamps.

**Lighting Vacancy Sensors:** Install manual on - automatic off vacancy sensors that meet the requirements of Title 24 Section 110.9(b)4. This analysis was conducted external to the energy model, assuming ten percent savings in operating hours for a single vacancy sensor installed on a switch controlling three lamps. Energy savings were calculated assuming both 45 W incandescent lamps and 11 W LED lamps, operating 620 hours annually. Annual hour estimates were based on whole building average hours of operation from a 2010 lighting study by KEMA (KEMA, 2010).

### 3.3 Efficiency Packages

A few of the measures described above were also evaluated as part of a package. Three packages were developed as described below.

**Envelope & Duct Package – R-38 Attic Insulation & Air Sealing & Duct Sealing:** Air sealing and attic insulation are very often applied as a package in building retrofits. The boundary between the living space and vented attics is where a significant amount of building air leakage can occur and sealing these areas as well as ducts prior to covering the attic floor with insulation is both practical and effective. Air sealing, duct sealing and insulation also directly address occupant comfort, as they reduce heat transfer, and result in more even temperatures within the building.

**Water Heating Package – Water Heater Blanket, Hot Water Pipe Insulation, & Low-Flow Fixtures:** These three water heating measures are all relatively low cost and work together to reduce building hot water energy use.

### 3.4 Measure Cost

Table 3 summarizes the cost assumptions for each of the measures evaluated. Costs were obtained from various sources, including local contractors, internet searches, past projects, and technical reports.



# City of Chula Vista Existing Home Energy Sustainability Ordinance (EHSO) Overview

**Background:** Homes in Chula Vista have been built over the years to meet the applicable energy related building codes which were first put in place in 1978. Since then new homes have gotten healthier and more efficient while some existing homes have gotten left behind. To help address these older homes the City is educating residents about retrofit opportunities and requiring older homes undergoing additions or remodels to make certain targeted upgrades, where applicable and feasible, to bring them closer to current codes.

**Who Needs to Comply:** These energy saving improvements are something most homes can benefit from but because newer homes have already been built to meet more recent energy code the focus of this policy is homes built in Chula Vista before 2006. Any home that does not have these measures should evaluate if they would benefit their home, but this ordinance is focused on homes that are doing alterations or remodels. Under this ordinance the definition of “remodel” is tied to structural changes that trigger the need for a permit. Please review the potential examples below to better understand what projects need to comply.

What projects trigger this requirement?

- Adding square footage
- Moving interior walls
- Adding or moving windows and doors

Location	Year Home Was Built	Required Energy Efficiency Measures
All City	2006	0
All zip codes except 91914	2005 to 1979	2
All zip codes except 91914	1978 or older	3
91914	2005 or older	4

These projects do NOT trigger this requirement:

- Adding new tile or flooring
- Bathroom fixtures
- Lighting fixtures
- Appliances
- Adding or moving a kitchen island
- Adding or changing counters
- Adding an Accessory Dwelling Unit (ADU/JADU)
- Projects that are medically necessary
- Projects that are repairing without changing elements

Based on the age and location of the home, different energy saving measures will be required. Please use the table above to determine how many of the energy efficiency measures listed in the table below will be required if your home undergoes an alteration or addition. The City recommends all homes in Chula Vista implement some level of the energy measures listed below to reduce their energy bill and improve home air quality. For more information on cost effectiveness or other detail please review “Chula Vista Energy Efficiency Fact Sheet” at <https://www.chulavistaca.gov/departments/clean/retrofit>.

**What Energy Efficiency Actions Could Be Included?** Below is a table that reviews the home energy efficiency standards that the City is trying to ensure homes meet.

Name	Description	Benefit	Implementation Notes
LED Lighting	Replace screw-in halogen, incandescent or CFL light bulbs with LED light bulbs	LED lights can use up to 75% less energy than incandescent bulbs and are 15% more efficient than average Compact Florescent Light (CFL) Bulbs.	Not applicable to lights plugged into outlets, recommend Energy Star bulbs. Historic fixtures exempt if not compatible with LED bulbs.
Water Heating Package	<p>A. Water Heater Blanket - Insulate exterior of storage water heaters manufactured before April 2015.</p> <p>B. Hot Water Pipe Insulation - Insulate all <b>accessible</b> hot water pipes with R-3 pipe insulation.</p> <p>C. Low Flow Fixtures - Upgrade sink and shower fittings to maximum flow rates of 1.8 gallons per minute (gpm) for showerheads and kitchen faucets, and 1.2 gpm for bathroom faucets.</p>	Water heating can account for up to 50% of an average home's natural gas usage. By insulating the tank (if not already insulated) and exposed piping you can minimize the amount of heat that is lost on its way to you. By utilizing low flow faucets, aerators and low flow showerheads you not only save water but also save the energy used to heat up that water.	Only accessible hot water pipes need to be insulated. Historic fixtures exempt if not compatible with water efficiency measures.
Attic Insulation	Add attic insulation in buildings with vented attic spaces to meet R-38.	Attic insulation helps your home maintain a stable temperature.	Homes with existing insulation greater than R-5 in Climate Zone 7 or greater than R-19 in Climate Zone 10 are exempt. Homes without vented attics are exempt.
Duct Sealing	Air seal all <b>accessible</b> ductwork with a goal of reducing duct leakage to be equal to or less than 15% of system airflow.	Duct leakage can be as high as 30% in average California homes. This means that up to 30% of the air you are paying to heat or cool is being lost before it reaches its destination. Additionally, leaky ducts can allow a pathway for dust or other indoor air quality concerns to enter your rooms.	
Air Sealing	Apply air sealing practices throughout all <b>accessible</b> areas of the building. Homes with one or more vented combustion appliances MUST have a BPI Combustion Appliance Safety Inspection performed after air sealing.	Houses built over the past five years are over 20 percent tighter than those built a decade earlier. This means the air you paid to heat or cool can escape and increases your energy bills and outside pollutants can enter your home. By sealing your home you can make it safer and healthier.	Only accessible areas need to be sealed. Attics with crawl space are considered accessible.

Cool Roof	Only applicable if project includes re-roofing or addition of steep slope roofs. Install a roofing product rated by the Cool Roof Rating Council (CRRC) with an aged solar reflectance of 0.25 or higher and thermal emittance of 0.75 or higher.	Cool roofs help save energy by increasing the amount of solar energy that get reflected away from your home and minimize the need for cooling on hot summer days.	Only for steep slope roofs (shallow slope roofs already covered).
Windows	Replace existing single pane windows with a dual pane product.	Energy efficiency windows not only reduce heating and cooling costs they can also reduce the ability of moisture and noise to enter your home.	Look for U-factor equal to 0.32 or lower and a Solar Heat Gain Coefficient (SHGC) equal to 0.25 or lower
Water Heater Replacement	High Efficiency Heat Pump Water Heater: Replace natural gas storage water heater, or, tankless water heater having an Energy Factor of .81 or less, with Heat Pump Water Heater  -or-  High Efficiency Tankless Water Heater: Replace natural gas storage water heater, or, less efficient tankless water with tankless water heater.	About 18% of average homes energy is used for heating water. Heat Pump Water heaters are on average 200% to 300% more efficient than traditional water heaters while tankless units are 8% to 34% more efficient. Additionally because heat pump water heaters store their hot water they can minimize energy usage during peak periods.	Heat Pump Water Heater with Uniform Energy Factor (UEF) of at least 3.1 (Northwest Energy Efficiency Alliance Tier 3).  -or-  Tankless water heater with a minimum Energy Factor of 0.96.
Air Conditioner Replacement	High Efficiency Air Conditioner: Replace an existing air conditioner with an high efficiency air conditioner.  -or-  High Efficiency Heat Pump: Replace an existing air conditioner with a Heat Pump	When running air conditioners can be the biggest energy user in a home so installing high efficiency units can prevent higher bills. It is also important to ensure ducting is sealed and installed and filters are regularly changed.	Install an air conditioner or heat pump rated to at least 18 SEER

**Benefits:** As mentioned in the table above, there are numerous benefits that these upgrades can provide depending on your home. Below is more information about the main benefits.

- Energy Bill Reductions – Over the expected life of the products, all of the measures are expected to reduce the home’s energy bills by more than the cost of installing them.
- Improved Indoor Air Quality – Leaky homes and ducts are one of the largest ways that outdoor pollutants like dust and pollen can enter a home. Properly sealing homes and ducts can help increase indoor air quality. But all homes need ventilation, especially homes using fuel-fired appliances – gas water heaters, heating systems and stoves need ventilation, but homes can be sealed up too tight to allow this. If you seal your home beyond the recommended 15% of



system airflow you may need mechanical ventilation to ensure you are still receiving fresh air. Residents can have a third party verify their homes air leakage.

- **Reduce Carbon Emissions** – Home energy use is one of the largest contributors to climate change in Chula Vista. By saving energy residents will also reduce greenhouse gas (GHG) emissions. For more ways to reduce GHG emissions please visit [www.cvclimatechallenge.com](http://www.cvclimatechallenge.com).

**What if I have already Made Similar Upgrades:** If you have already made these, or similar, upgrades or they will be a part of your home project, you will be benefiting from a more energy efficient home and do not need to make any additional upgrades. Please review the list of exemptions below:

- Similar measures have already been completed
  - Including participation in a low-income weatherization program (a deferment will be provided to qualifying applicants that have applied for weatherization programs but not received the work yet)
- Home achieves a Home Energy Score (HES) score of at least 8 out of 10
- Home has on-site photovoltaics (PV) offsetting at least 95% of the annual electricity and gas-equivalent usage
- An alternative, voluntary, set of energy measures is concurrently being completed that will achieve equivalent energy savings to the prescriptive packages

**What if These Upgrades Will Not Work for My Project:** Due to unique characteristics of some homes, these upgrades may not work as intended for all residents. To help ensure that residents are not negatively impacted by this requirement the following additional exemptions are also allowed.

- Low-Income Resident – Applicants who can demonstrate they qualify as a low-income household are exempt
- Project Value Cutoff - If the cost of completing energy efficiency measures required under this policy exceeds 20% of the overall project cost without those measures, permit applicants can propose a more limited set from among the required measures which does not exceed 20%
- A measure is beyond the authority of the homeowner due to HOA covenant
- Prescribed measures would be technically infeasible or not be cost-effective due to unique characteristics of home or other special circumstances

**Resources:** Please review the resources listed below for information about home energy performance or energy efficiency resources.

- SDG&E Energy Savings Assistance Program – The ESAP is an income qualified program that can make minor improvements to your home at no cost to you, such as insulation and appliance replacement, to help save energy. For full ESAP program eligibility requirements and application information, please visit [www.sdge.com/esap](http://www.sdge.com/esap) or call 619-387-4757.
- Federal Weatherization Assistance – A income qualified program can provide you with no cost weatherization to help you save energy and make your home more energy efficient. If you would like to find out if you qualify for this program please call (619) 409-7588 or visit MAAC's website [www.maacproject.org/main/impact/healthy-homes-health-services/weatherization-services/](http://www.maacproject.org/main/impact/healthy-homes-health-services/weatherization-services/).

- Home Energy Score – Developed by the Department of Energy (DOE) and its national laboratories, the Home Energy Score provides homeowners, buyers and renters directly comparable and credible information about a home’s energy use. Like a miles-per-gallon rating for a car, the Home Energy Score is based on a standard assessment of energy-related assets to easily compare energy use across the housing market. For more information please visit: [www.homeenergyscore.gov](http://www.homeenergyscore.gov).
- Go Green Financing – To help residents find financing for energy saving projects the state created the Go Green Financing website: [www.gogreenfinancing.com](http://www.gogreenfinancing.com). This allows California residents and businesses to create a custom energy action plan, find rebates and incentives and find a financing option.

**Questions?** Contact the City of Chula Vista’s Conservation Section at 619-409-3893 or [conservation@chulavistaca.gov](mailto:conservation@chulavistaca.gov).



# Subcommittee Report

PRESENTED FOR COMMISSION MEETING DATE: May 18, 2021

SUBMITTED BY: Patrick Tallarico

SUBCOMMITTEE NAME: Standing Subcommittee on Waste Reduction (SSCoWR)

SUBMITTED DATE: May 13, 2021

LAST SUBCOMMITTEE MEETING DATE: May 6, 2021

NEXT SUBCOMMITTEE MEETING DATE: June 3, 2021

## Subcommittee Goal:

Divert 90% of waste generated by the City of Palm Springs from landfill by 2030.

## Summary:

### 1. Reducing Single-use Plastic Food Ware and Plastic Straws by Food Service Establishments.

- The draft ordinance was brought before Council on May 6<sup>th</sup>. It was approved pending clarifications and changes. It will likely be brought back to Council at the June 24<sup>th</sup> meeting. Staff is working on the following:
  - Correct the reference to the waivers section in 5.87.002a.
  - Clarify language related to what paper products are allowed in 5.87.002b.
  - Clarify if we need to expand the fluorinated chemical limit to other food ware.
  - Clarify if “by request only” is just a request by the customer or if a vendor can ask.
  - Confirm the definition of plastic, which excludes bio-based plastics.
  - Potentially add a condition that disposables must be recyclable or compostable. (Related issue: whether to keep the requirement that compostable materials meet a standard if they are not going to be composted.)
  - Clarify the fee for disposable food ware.
  - Clarify how the people on aid programs would get their fee waived.
  - Ensure waiver and exemption language is clear enough to support a determination.
- Staff will discuss options related to the items above with the Sustainability Commission at its meeting on May 18<sup>th</sup>.

### 2. Battery Recycling Project

- Staff have collected and shipped six containers of batteries (approximately 210 pounds) since the last report.
- With facilities reopening, we expect drop-offs will increase steadily this summer.

### 3. Toward a Public Spaces Recycling Program for the City of Palm Springs.

- Coordinator Sheldon has received the temporary signs and is scheduling a meeting with Maintenance to discuss sign placement.
- Commissioner McCann suggested that we work with stores in the downtown corridor to also post the signs so people get the message at the point of sale.
- Commissioner McCann will go to Ruth Hardy Park to see the newly painted trash containers. He will work with Manager Tallarico to determine any additional direction needed for maintenance staff.

### 4. Outreach

- Nothing to report.

### 5. Non-compliance with Commercial Recycling and Organics Requirements

- Manager Tallarico received the current list of non-compliant facilities and has drafted a new letter to send to

businesses. The letter was reviewed by Legal Counsel. The City will send out an initial round of notices in May and assess responses.

#### 6. Wastewater Treatment Plant (WWTP)

- Nothing to report. The Capital Improvements plan was put forward to Council and included references to additional research needed on flare treatment and potential expansion to accommodate food waste.

#### 7. Neighborhood Earth Day Challenge

- Manager Tallarico recognized 6 neighborhood organizations at the April 22<sup>nd</sup> Council meeting to acknowledge their accomplishments as part of the Neighborhood Environmental Challenge. He also presented them with certificates at the May ONE-PS meeting.

#### 8. SB 1383 Planning

- The City continues to have discussions with Palm Springs Disposal about the updates needed to the Franchise Agreement to incorporate SB 13838 requirements. PSDS has developed a draft scope change, and the City has provided some suggested changes. This will be used to form the basis of the rate increase. Some of the features included are:
  - An “under sink” food waste collection pale for all customers.
  - A standard 3-cart system for single family residents – sizes may vary
  - One free additional cart for recycling and green waste, fee for additional trash cart
  - Bin inspection program

#### 9. Shredding and E-waste Event

- The City collected about 10,000 pounds of e-Waste; 6,572 pounds of paper; 94.35 tons of trash; and 8.36 tons of metal.

#### 10. Composting Grant

- The Composting Coalition continues to meet to discuss opportunities for a community composting pilot and program. They are currently trying to identify an appropriate location. Ideally the location would be near a community garden.

#### 11. Sustainability Scholarships

- Sustainability scholarships continue to be requested. The status of that program is reported under a separate Sustainability Commission meeting agenda item monthly.

#### 12. Organics Survey

- The City conducted a survey related to residential organic waste collection. There were 282 responses across almost all neighborhoods. Only about a third (102) of the respondents currently have organics service, and about 75% of those households said their bin is at least half full each week. Most people fill the cart themselves or fill it along with their gardener. Only about 10 of the respondents said their gardener solely fills the bin. Over half of all respondents indicated that they don't use a cart because they have a landscaper that takes materials away or they live in a complex that has a landscape service. Almost 200 respondents said they would use a small pail to collect materials at the sink, and most said they would put food waste in their green cart. 16 said they would be interested in a community composting program, and 20 said they already compost at home.
- The most common concerns were odors, messy carts, and animals.
- Comments indicate some key challenges:
  - Define “organics” and what is acceptable
  - How to deal with those that don't generate much or don't have room for a green cart
  - Making it clear why we are doing this and what advantage it provides
  - How to work with HOAs and complexes

**Recommendation/Request**

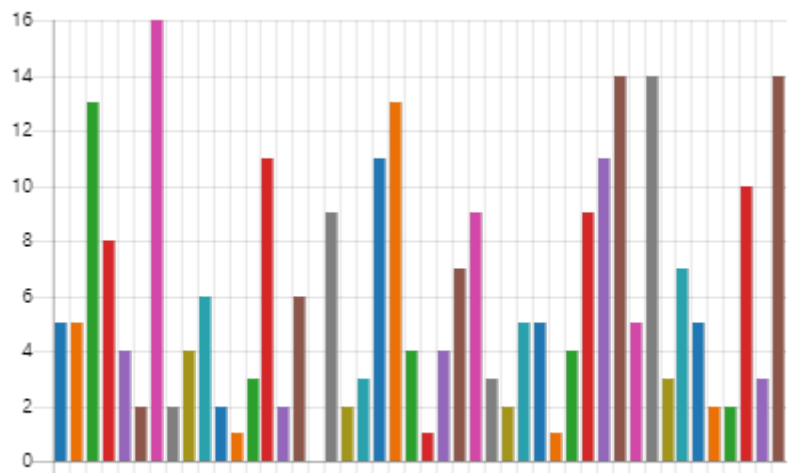
Subcommittee members will continue to conduct research and refine products to improve recycling rates and report on progress at future Commission meetings.	
<b>ACTION ITEMS REQUEST TO COMMISSION</b>	None
<b>ACTION ITEMS REQUEST TO OFFICE OF SUSTAINABILITY</b>	Follow up with businesses using the downtown trash enclosure. Continue Franchise Agreement discussions with PSDS. Follow up on community composting idea. Follow up on organics compliance efforts.
<b>POTENTIAL FISCAL IMPACT/REQUEST IF ANY:</b>	N/A

# Residential Organics Collection Survey Results

282 Responses - 7:09 Average time to complete

1. What neighborhood do you live in? (You can select "Other" at the bottom of the list if your neighborhood is not listed.)

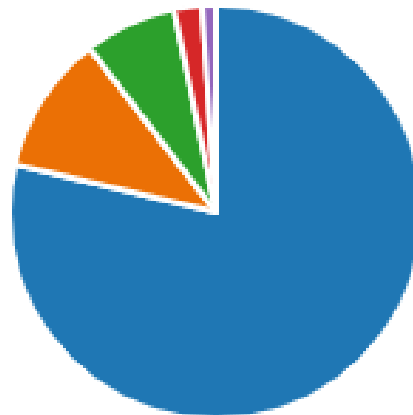
● Andreas Hills	5
● Araby Commons	5
● Araby Cove	13
● Baristo	8
● Canyon Corridor	4
● Canyon Palms	2
● Deepwell Estates	16
● Demuth Park	2
● Desert Highland Gateway Esta...	4
● Desert Park Estates	6
● El Mirador	2
● El Rancho Vista Estates	1
● Escena	3
● Four Seasons	11
● Gateway	2
● Gene Autry	6
● Historic Tennis Club	0
● Indian Canyons	9
● Lawrence Crossley	2
● Little Beverly Hills	3
● Little Tuscany	11
● Los Compadres	13
● Melody Ranch	4
● Midtown	1
● Mountain Gate	4
● Movie Colony East	7
● Oasis Del Sol	9
● Old Las Palmas	3
● Parkview Mobile Estates	2
● Racquet Club West	5
● Ranch Club Estates	5



● Rimrock	1
● Rogers Ranch	4
● Sonora Sunrise	9
● Sunmor	11
● Sunrise Park	14
● Tahquitz Creek Golf	5
● Tahquitz River Estates	14
● The Mesa	3
● The Movie Colony	7
● Twin Palms	5
● Upper West Side	2
● Vista Las Palmas	2
● Vista Norte	10
● Warm Sands	3
● Other	14

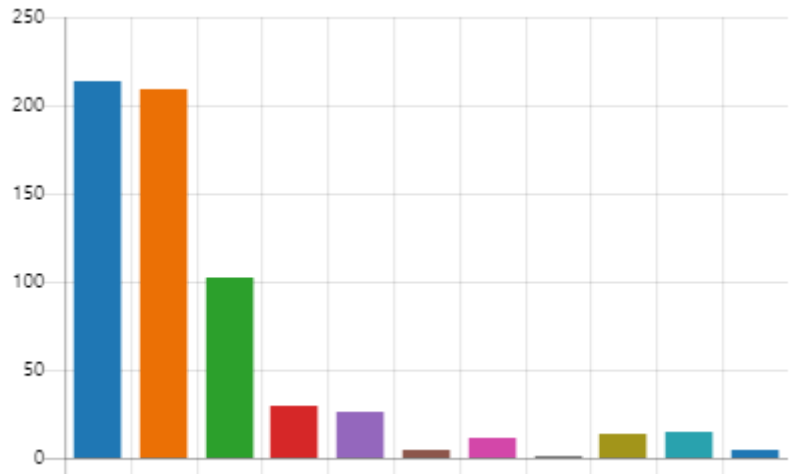
## 2. Which of the following best describes where you live?

● Single family detached home	218
● Single family attached town home or condominium	30
● Multi-family/multi-story apartment or condominium complex	20
● Mobile home/Tiny home community	6
● Other	3



3. Please check the type of waste management service you have currently. Please check all that apply.

<span style="color: blue;">●</span> Curbside trash cart	214
<span style="color: orange;">●</span> Curbside recycling cart	209
<span style="color: green;">●</span> Curbside green waste cart	102
<span style="color: red;">●</span> Central trash bin	30
<span style="color: purple;">●</span> Central recycling bin	26
<span style="color: brown;">●</span> Central yard waste bin	4
<span style="color: pink;">●</span> Estate Service with trash and recycling only	11
<span style="color: grey;">●</span> Estate Service with trash, recycling, and green waste carts	1
<span style="color: olive;">●</span> Walk-in Service with trash and recycling only	14
<span style="color: teal;">●</span> Walk-in Service with trash, recycling, and green waste carts	15
<span style="color: blue;">●</span> Other	5



4. Do you collect green waste in your green cart each week?

<span style="color: blue;">●</span> Yes	92
<span style="color: orange;">●</span> No	183



5. If yes, about how much?

<span style="color: blue;">●</span> ¼ cart	26
<span style="color: orange;">●</span> ½ cart	41
<span style="color: green;">●</span> Full cart	25





6. If yes, who puts the material in the cart?

● You	52
● Gardener	10
● Both	30



7. If no, which of the following applies?

● I live in a single-family home, and the gardener takes it away	108
● I live in a complex, and landscape waste is managed by the HOA or a landscaper	57
● I don't have any landscaping	10



8. Would you use a small food waste kitchen collection container (1 gallon less) to collect food waste before you place it in a cart or container outside?

● Yes	196
● No	80



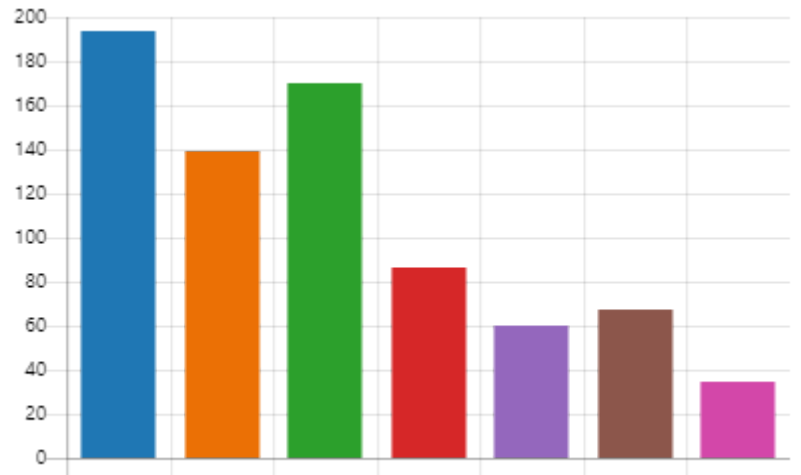
9. How would you prefer to manage the food waste you generate?

● I will put it in the green cart with my yard waste	134
● I would like a smaller cart or container for food waste only, because I don't generate yard waste	99
● I compost at home, so I don't need service	20
● I would bring my food waste to a central community composting site if one was available	16



## 10. What concerns do you have about food waste management at your home?

● Odors	194
● Messy carts	139
● Attracting animals	170
● I don't know if I will generate enough food waste or reen waste	86
● I don't have room for a third cart for organics	60
● Wind blowing the carts over	67
● Other	35



**Question #11****What comments, questions or concerns do you have that might help inform our future outreach efforts?**

We generate minimal food waste and do not use the green can as gardeners remove. Even a small repository would be wasteful.

We had a biodigester system in my former city of residence and it was a very good program.

I put all my yard waste in the trash bin with my food waste. This was not an option in the survey. I do my own gardening & do not generate lots of garden debris.

Does food waste need to be wrapped in any thing? If there was a central food waste collection site in an HOA, will food waste need to be wrapped?

We really appreciate what you do now. Please don't stop.

I think we need to do everything we can to help reduce our footprint on the environment.

Need better options.

This is over reach by the state and city. Food waste goes to landfill. It naturally decomposes. This is an answer to a problem that does not exist.

workshop classes on how it compost right

I have limited space for bins and am concerned about having another one added

I do not want to pay more

This is needed. Any negatives are negated to help the environment. A city compost program that would allow residents to pick up usable compost for gardens would be amazing.

Require food waste to be placed in a green waste bag and placed in central green waste bin at HOA

I have three carts already. Please figure out food waste without a fourth cart.

Please leave our system as it is.

I have used Bokashi composting in the past and am thinking of starting again since moving to PS. It's easy and there is no smell if done correctly. Perhaps explaining and providing information on it might get more households on board

Link / communicate food in landfills to Greenhouse gas emissions

I don't see the need for this - green cart is sufficient, no?

After talking to my neighbors, there is no way we need an extra can except on a voluntary basis for the few! We have taken this concept to the extreme at this point and I've lived here for 66 years.

I think for what we pay for trash services, separation of organics and yard waste from regular trash should be part of your jobs not the homeowners. We pay for the service, you do the work.

We already do this in Minnesota and it works well. We freeze our organics and place them in the bin on collection day.

Because of the wildlife, we keep two bins in our garage. If we go to three bins, I hope they are all a bit smaller. There isn't room for a third bin the same size as the ones we have

Need to clarify food waste - fruits & vegetables vs. meats/fish/poultry vs. fats vs. snack foods/desserts

Sounds like a great step forward to a better environment

Our "Private Drive" off Rim Road in Araby Cove does not get regular service, with pickup only one time per week.

If I don't buy organic food, won't my garbage "contaminate" organic waste

It's annoying to have the dumpster-divers pulling cans/bottles out and messing up the bin or leaving things on the street. I pay for walk-in service, but they never put the carts back in the right location.

I don't cook, eat grocery store frozen foods and have almost no food waste.

We don't generate enough food waste for its collection to be economical. The complex's individual storage place allows for only two trash cans.

Make it a clear option to REPLACE the current non-recyclable 'Trash' with a smaller organically trash container, to assure that space would not be an issue.

Love that you are doing this!

I think it's a great idea to offer food waste management

Generate very little food waste and use sink disposal for some of this waste.
PSDS is horrible - I wouldn't trust them to manage one more bin
Perhaps feature pics of gardens of those who compost
My concern is that if it is too complicated people will not participate. For me the simplest approach is the best approach to start off getting people on board.
Many single dwellers and senior couples in our neighborhood not a lot of food waste. Have to be simple process.
Enough with the separate barrels for every little thing! And why is the state so concerned about which barrel I toss my banana peels into?
A landscaping company is supposed to handle our yard waste, however, we have to sweep and collect leaves daily and dispose of them in the trash bins because the gardeners are overwhelmed.
Will there be a cost for this service?
Thank you for doing this. I'm a big fan of composting /recycling/reducing waste !
Would animal fats be included here? I already put fruit and vegetables in the green bin.
I don't currently compost but I have been thinking about it so I would likely get a composting bin and put food waste in there.
Most seniors are on SS, limited income, cannot afford extra charges.
In Seattle, we choose to freeze our green bagged food waste. No odor or animal attraction.
moving here from SF, we have been doing this for years. It is not very difficult once you get used to it.
IT SEEMS THAT THINGS THAT WERE RECYCLED NO LONGER ARE
I am shocked that Palm Springs does not have composting yet.
I don't want to pay extra for it
I see gardener's putting yard waste in the trash bins. They insist it ends up in the landfill anyway.
In other cities we combine food waste with paper and other compostable materials. This dramatically reduces our land fill bin. Including other compostable materials and not just food waste may motivate others to participate. Consider working with HOAs to implement a central location for shared organics waste cart. It would be relatively easy to walk my waste to a central location rather than keep a separate bin. This is how we do it in our condo building in San Francisco
I'm going to start paying for special pickup closer to my garage.
I think this is terrific and I look forward to this service being available.
It would be nice if the phone number on the web site was correct.
Need more info on what is food waste and how I could handle compost myself or most easily use a service specifically for it.
This is government over reach
I came from Seattle where food waste recycling was required. I absolutely loved not having all that material going to the landfill. I would love it if this was instituted sooner, rather than later. Thanks!
No concerns. I think it should be required for all residents.
Enthusiastically support residential food waste management program, either curb pick up or central location.
In Seattle we could compost all food waste. including bones etc will this be available?
I don't care to do this. I will still put food waste in the trash. I am not going to take up more space for another bin to separate food waste in my house.
Thank you. We can't wait to compost our organics like we do in st.
Wouldn't it be better just to grind it up in the garbage disposal in your sink. A can is going to stink, it's going to attract vermin and ants and fruit flies.
I think you have your hands full educating people on the importance of this project.
My HOA resists any type of change and will claim they are "grandfathered" in to avoid it. For example, they don't enforce glass/cans/paper recycling because they "don't have to."

What kind of food waste? Just organics, i.e. fruit & veggie waste, cooked food, meats, sauces, grease,...?
We need this! I already let much of my food waste dry & put it out with my yard waste
use other avenues in addition to nextdoor. Newspaper ads, Patch, desert sun online ads
Concerns over decomposition with high heat temps
I think this is necessary to help eliminate compostable garbage from goin to the dump
We are only there part of the year, so paying for this monthly is annoying
Please make sure that this movement reacher every household by sending a mail in survey to get better results.
Increase trash removal cost to encourage recycling/compost. Our complex has four dumpsters for trash (3/4 full when picked up, but only five blue bins for recycle (always full, with overflow going into dumpsters).
I think residents need more information about recycling, in general. I live in a gated condo community, and I notice that owners throw such items as paper towels and kleenex in the recycling bin. They also do not fold down boxes, using up too much room in the bin and causing other owners to put recycling in the trash.
It seems very expensive to collect food waste from homes that will likely be contaminated and rotten.
Supply customers with small composting items and give classes so as to get it right when compared mposting foird waste.
Curbside pickup in Sahara Park would help tremendously.
I use my kitchen trash can for food waste and non recyclable packaging. I'm willing to do my part on separating food waste, but I wouldn't like having to keep a second trash receptacle in the kitchen.
Excited about this option, coming from a city that offered this type waste disposal, (Portland, OR) and found that our garbage was drastically reduced by eliminating food waste from our daily trash.
We would like a family friendly composting program to encourage everyone to start separating their food waste and save landfill space.
Grateful you may be offering green waste bins next year. Would love help dealing w/ food waste and to be able to add our food waste to a green waste central bin. We have a small compost maker in our backyard but it fills quickly and is awkward to empty (and no place needs our compost, all desert landscaping.) Thanks!!
How many carts are we going to end up with? I'm at two now; some have three; I don't want another card.
A smaller green cart would be more useful then the current one we have - especially if we add food waste weekly.
Know that most of these answers are not based on confident knowledge. I feel uncertain.
I won't be doing this
Could we put compositable trash in the green bin now?

**Question #12**

**If you live in a multi-family residential complex and you believe your management or HOA would be interested in participating in a pilot food waste collection program, please provide contact information.**

Beth Robinson. Beth@bethrobinson.com  
Sunrise Palms

Bryan Dittmer  
bldittmer@msn.com Mountain Gate

Cathedral Canyon County Club #9

I believe our board reviews such items and makes their choice everyone's choice while owners never knew a choice was being made.

Did it in SF in a condo complex. Took a while to get everyone on board with the program. So surprised how much food waste two people generate...several times what I thought.

I am a renter, so I don't know if they'd be interested but the HOA is Palm Springs Villas II and the email for the management is: wendy.cross@seabreezemgmt.com

I don't know if Roman Estados would be interested.
I don't speak for the HOA but I would like them to consider this. Mark Gilbert, Escena, mgilbertsf@gmail.com
Kate Castle-K8castle@yahoo.com-Canyon Sands
Kellin Defiel-Scudder, kdefiel@yahoo.com, Canyon View Estates
Laurie Haas Young haiparu@sbcglobal.net not sure if management is interested. They seem overwhelmed, but if it didn't cause them to add more tasks nor more costs to the corporation that owns the park, they might agree. Healing Waters Senior Mobile Home Park
Mesquite Canyon Estates LesleyMCline@gmail.com I can forward any information to the appropriate person in charge of this type of program within our HOA
Michelle Moran michellemoran@gmail.com Riviera Gardens Condominiums (on Via Miraleste between Vista Chino & Via Escuela)
Property Manager St Tropez Villas 1111 E Tahquitz Canyon Way, Suite 112 Palm Springs CA 92262
SAHARA MOBILE PARK
See above. I can't stand Casa de Oro!
Yes - Sunshine Villas
Zach Weingart zweingart@hotmail.com Sahara Park, off Camino Real, near E Palm Canyon, behind the Ace Hotel