



# San Gabriel Valley Council of Governments\*

## NOTICE AND AGENDA OF THE REGULAR MEETING OF THE ENERGY, ENVIRONMENT AND NATURAL RESOURCES (EENR) COMMITTEE

Wednesday, June 16, 2021 – 1:00 PM

Zoom Link: <https://zoom.us/j/93151682000>

Livestream Link: <https://youtu.be/NGJuXMjvTR4>

Chair  
**Denis Bertone**  
City of San Dimas

Vice Chair  
**Jennifer Stark**  
City of Claremont

**Members**  
*Claremont*  
*Covina*  
*Duarte*  
*El Monte*  
*Pasadena*  
*Pomona*  
*Rosemead*  
*San Dimas*  
*San Gabriel*  
*Sierra Madre*  
*West Covina*

**Ex-Officio Member**  
**Jeffrey Lee**  
City of Temple City's  
Planning Commission

Thank you for participating in today's meeting. The EENR Committee encourages public participation and invites you to share your views on agenda items.

**MEETINGS:** *Regular Meetings of the EENR Committee are held on the third Wednesday of each month at 1:00 PM at the Monrovia Community Center, 119 W. Palm Avenue, Monrovia, CA 91016.* The EENR Committee agenda packet is available at the San Gabriel Valley Council of Government's (SGVCOG) Office, 1000 South Fremont Avenue, Suite 10210, Alhambra, CA, and on the website, [www.sgvcog.org](http://www.sgvcog.org). Copies are available via email upon request ([sgv@sgvcog.org](mailto:sgv@sgvcog.org)). Documents distributed to a majority of the Committee after the posting will be available for review in the SGVCOG office and on the SGVCOG website. Your attendance at this public meeting may result in the recording of your voice.

**PUBLIC PARTICIPATION:** Your participation is welcomed and invited at all EENR Committee meetings. Time is reserved at each regular meeting for those who wish to address the Committee. SGVCOG requests that persons addressing the Committee refrain from making personal, slanderous, profane or disruptive remarks.

**TO ADDRESS THE EENR COMMITTEE:** At a regular meeting, the public may comment on any matter within the jurisdiction of the Committee during the public comment period and may also comment on any agenda item at the time it is discussed. At a special meeting, the public may only comment on items that are on the agenda. Members of the public wishing to speak are asked to complete a comment card or simply rise to be recognized when the Chair asks for public comments to speak. We ask that members of the public state their name for the record and keep their remarks brief. If several persons wish to address the Committee on a single item, the Chair may impose a time limit on individual remarks at the beginning of discussion. **The EENR Committee may not discuss or vote on items not listed on the agenda.**

**AGENDA ITEMS:** The Agenda contains the regular order of business of the EENR Committee. Items on the Agenda have generally been reviewed and investigated by the staff in advance of the meeting so that the EENR Committee can be fully informed about a matter before making its decision.

**CONSENT CALENDAR:** Items listed on the Consent Calendar are considered to be routine and will be acted upon by one motion. There will be no separate discussion on these items unless a Committee member or citizen so requests. In this event, the item will be removed from the Consent Calendar and considered after the Consent Calendar. If you would like an item on the Consent Calendar discussed, simply tell Staff or a member of the Committee.



In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the SGVCOG office at (626) 457-1800. Notification 48 hours prior to the meeting will enable the SGVCOG to make reasonable arrangement to ensure accessibility to this meeting.



**\*MEETING MODIFICATIONS DUE TO THE STATE AND LOCAL STATE OF EMERGENCY RESULTING FROM THE THREAT OF COVID-19:** On March 17, 2020, Governor Gavin Newsom issued Executive Order N-29-20 authorizing a local legislative body to hold public meetings via teleconferencing and allows for members of the public to observe and address the meeting telephonically or electronically to promote social distancing due to the state and local State of Emergency resulting from the threat of the Novel Coronavirus (COVID-19).

To follow the new Order issued by the Governor and ensure the safety of Committee Members and staff for the purpose of limiting the risk of COVID-19, in-person public participation at the EENR Committee meeting scheduled for June 16, 2021 at 1:00 p.m. will not be allowed. To allow for public participation, the EENR Committee will conduct its meeting through Zoom Video Communications. To participate in the meeting, download Zoom on any phone or computer device and copy and paste the following link into your browser to access the live meeting: <https://zoom.us/j/93151682000>. You may also access the meeting via the livestream link on the front of the agenda page.

Submission of Public Comments: For those wishing to make public comments on agenda and non-agenda items you may submit comments via email or by Zoom.

- Email: Please submit via email your public comment to SGVCOG Management Analyst, Alexander Fung, at [afung@sgvcog.org](mailto:afung@sgvcog.org) at least 1 hour prior to the scheduled meeting time. Please indicate in the Subject Line of the email "FOR PUBLIC COMMENT." Emailed public comments will be read into the record and will be part of the recorded meeting minutes. Public comment may be summarized in the interest of time, however the full text will be provided to all members of the Committee prior to the meeting.
- Zoom: Through Zoom, you may speak by using the web interface "Raise Hand" feature. Wait to be called upon by staff, and then you may provide verbal comments for up to 3 minutes. Public comment is taken at the beginning of the meeting for items not on the agenda. Public comment is also accepted at the beginning of each agenda item.

Any member of the public requiring a reasonable accommodation to participate in this meeting should contact SGVCOG Management Analyst, Alexander Fung, at least 48 hours prior to the meeting at (626) 457-1800 or at [afung@sgvcog.org](mailto:afung@sgvcog.org).

## **PRELIMINARY BUSINESS**

1. Call to Order
2. Roll Call
3. Public Comment (*If necessary, the Chair may place reasonable time limits on all comments*)
4. Changes to Agenda Order: Identify emergency items arising after agenda posting and requiring action prior to next regular meeting (*It is anticipated that the EENR Committee may take action on the following matters*)

## **CONSENT CALENDAR** (*It is anticipated that the EENR Committee may take action on the following matters*)

5. EENR Meeting Minutes – May 19, 2021 (**Page 1**)  
*Recommended Action: Review and approve.*
6. FY 2021-2022 EENR Committee Chair and Vice Chair Elections  
*Recommended Action: Elect San Dimas Mayor Pro Tem Denis Bertone as the FY 2021-2022 EENR Committee Chair and Claremont Mayor Jennifer Stark as the FY 2021-2022 EENR Committee Vice Chair.*

## **LIAISON REPORTS**

7. Clean Power Alliance
8. San Gabriel Mountains Community Collaborative
9. San Gabriel Valley Mosquito and Vector Control District
10. Trust for Public Land
11. San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy
12. Sanitation Districts of Los Angeles County
13. Southern California Edison
14. Southern California Gas Company
15. South Coast Air Quality Management District (**Page 6**)

## **PRESENTATIONS** (*It is anticipated that the EENR Committee may take action on the following matters*)

16. Indoor Air Quality in the COVID and Post-COVID Age – David Gilliland, P.E., Director, kW Engineering (**Page 8**)  
*Recommended Action: For information only.*
17. Solar on Multifamily Affordable Housing – Kajsa Hendrickson, Project Manager, Center for Sustainable Energy (**Page 10**)  
*Recommended Action: For information only.*
18. Plastic Recycling Symbols and Codes Overview – Alexander Fung, Management Analyst, SGVCOG (**Page 11**)  
*Recommended Action: For information only.*

## **STAFF ANNOUNCEMENTS**

19. Next Committee Meeting  
*Recommended Action: For information only.*

## **ADJOURN**



**SGVCOG EENR Committee Regular Meeting Minutes**

Date: May 19, 2021  
Time: 1:00 PM  
Location: Zoom Virtual Meeting

**PRELIMINARY BUSINESS**

1. Call to Order  
D. Bertone called the meeting to order at 1:00pm.
2. Roll Call  
**A quorum was in attendance.**

**Committee Members Present**

Claremont	J. Stark
Covina	M. Saint
El Monte	P. Garcia
Pasadena	J. Guess
Pomona	J. Carver
Rosemead	M. Clark
San Dimas	D. Bertone
San Gabriel	C. Liao
Sierra Madre	R. Arizmendi
West Covina	T. Wu

**Absent**

Duarte  
Temple City (Ex-officio)

**Guests**

City of El Monte	L. Ortiz
City of South Pasadena	A. Kasparian
City of South Pasadena	A. Tesfaye
CA Water Envir. Association	H. Geber
Los Angeles County DPH	J. Ferrer
MSGW Watermaster	L. Augino
Nature for All	B. Bernal
RMC	S. Gee
RPOSD	C. Angeles
RPOSD	L. Hancock
South Coast AQMD	B. Keith
South Coast AQMD	R. Yeung

**SGVCOG Staff**

P. Hubler, Staff  
A. Fung, Staff  
A. Bordallo, Staff  
S. Pedersen, Staff

3. Public Comment  
S. Gee from the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy (RMC) provided a verbal public comment to report on RMC's Wildfire Prevention Grant Program.
4. Changes to Agenda Order  
There were no changes to the agenda.

## **CONSENT CALENDAR**

### **5. EENR Meeting Minutes – April 21, 2021**

*Action: Review and approve.*

**There was a motion to approve consent calendar item 5. (M/S: T. Wu/J. Stark)**

**[Motion Passed]**

<b>AYES:</b>	Claremont, El Monte, Pasadena, Pomona, Rosemead, San Dimas, Sierra Madre, West Covina
<b>NOES:</b>	
<b>ABSTAIN:</b>	
<b>NO VOTE RECORDED:</b>	Covina, San Gabriel
<b>ABSENT:</b>	Duarte

## **LIAISON REPORTS**

*No verbal report was given unless otherwise noted.*

- 6.** Clean Power Alliance
- 7.** San Gabriel Mountains Community Collaborative
- 8.** San Gabriel Valley Mosquito and Vector Control District (MVCD)
- 9.** Trust for Public Land
- 10.** San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy (RMC)
- 11.** Sanitation Districts of Los Angeles County
- 12.** Southern California Edison
- 13.** Southern California Gas Company
- 14.** South Coast Air Quality Management District (AQMD)  
R. Yeung provided a verbal report on behalf of AQMD.

## **UPDATE ITEM**

### **15. 2021 San Gabriel Valley Energy Champion Awards Progress Updates**

SGVCOG Management Aide, Ana Bordallo, provided updates on this item. Earlier this year, the SGVCOG launched the 2021 San Gabriel Valley Energy Champion Awards to encourage San Gabriel Valley cities and agencies to implement energy efficiency actions and engage in long-term energy planning activities. Requirements for cities and agencies to receive an award include implementing a combination of activities such as attending energy efficiency trainings and meetings, benchmarking municipal facilities, and conducting energy efficiency outreach activities. The Energy Champion Awards' most recent progress report can be found on the San Gabriel Valley Energy Wise Partnership website at <https://www.sgvenergywise.org/2021-sgv-energy-champion-awards>.

### Key Discussions/Questions:

- A. Kasparian inquired about the possibility of transferring last year's Energy Champion Awards progress over to this year. SGVCOG staff responded that the 2021 Energy Champion Awards structure is different than the prior year's structure and that credits will not be able to transfer over.

**ACTION ITEMS**

**16. AB 1201 (Ting)**

SGVCOG Management Analyst, Alexander Fung, provided a presentation on this item. Introduced by Assemblymember Phil Ting (D-San Francisco) on February 18, 2021, AB 1201 would prohibit an individual from selling a plastic product that is labeled with the terms “compostable,” “home compostable,” or “soil biodegradable” unless the product meets specified standards and satisfies specified criteria.

Key Discussions/Questions:

- J. Stark and R. Arizmendi commented to express support for AB 1201.
- M. Clark inquired about a consumer’s ability to distinguish compostable products from non-compostable products. Mr. Fung responded that most compostable products provide labeling on the packaging to indicate whether the products can be compostable.

**There was a motion to recommend the Governing Board to support AB 1201 (Ting). (M/S: J. Stark/M. Clark)**

**[Motion Passed]**

<b>AYES:</b>	Claremont, El Monte, Pasadena, Pomona, Rosemead, San Dimas, Sierra Madre, West Covina
<b>NOES:</b>	
<b>ABSTAIN:</b>	
<b>NO VOTE RECORDED:</b>	Covina, San Gabriel
<b>ABSENT:</b>	Duarte

**17. SB 289 (Newman)**

SGVCOG Management Analyst, Alexander Fung, provided a presentation on this item. SB 289 was introduced by Senator Josh Newman (D-Fullerton) to establish a proper collection mechanism to reduce incidents of fires and illegal dumping of unwanted batteries, increase recycling, and substantially reduce local government costs for the end-of-life management of discarded batteries and battery-embedded products.

Key Discussions/Questions:

- R. Arizmendi inquired about the bill’s overall fiscal impact. Mr. Fung responded that the bill analysis did not specify the bill’s fiscal impact.
- M. Clark commented to express support for SB 289.

**There was a motion to recommend the Governing Board to support SB 289 (Newman). (M/S: M. Clark/J. Stark)**

**[Motion Passed]**

<b>AYES:</b>	Claremont, El Monte, Pasadena, Pomona, Rosemead, San Dimas
<b>NOES:</b>	Sierra Madre

<b>ABSTAIN:</b>	West Covina
<b>NO VOTE RECORDED:</b>	Covina, San Gabriel
<b>ABSENT:</b>	Duarte

## **PRESENTATIONS**

### **18. Revised Regional Park and Open Space District Reimbursement Guidelines**

Los Angeles County Regional Park and Open Space District (RPOSD) Administrator, Christina Angeles, provided a presentation on this item. RPOSD is responsible for implementing and administering the Los Angeles County Safe, Clean Neighborhood Parks and Beaches Measure of 2016, commonly known as Measure A. Recently, the District updated the Measure A Grants Administration Manual (GAM), which include specific revisions that will be implemented commencing July 1, 2021.

#### Key Discussions/Questions:

- D. Bertone inquired about Measure A's funding distribution formula. Ms. Angeles responded that Measure A's annual allocation is based on the 2016 needs assessment. The District collects approximately \$96 million to \$100 million in Measure A dollars on an annual basis.
- J. Stark inquired about possible pathways for cities that do not score highly on the needs assessment to obtain funding for open space and recreation projects. Ms. Angeles responded that the RPOSD recently opened a competitive grant opportunity, which will award \$33 million for projects in January 2022. Application guidelines can be found on the RPOSD website.
- T. Wu inquired about possible grant opportunities for trail development. Ms. Angeles responded that RPOSD reserved approximately \$11 million for trail projects in the recent round of competitive grants and encouraged cities to apply for funding.

### **19. Reopening Procedures and Recommendations from the Los Angeles County Department of Public Health**

Los Angeles County Department of Public Health (DPH) Industrial Hygienist, John Ferrer, provided a presentation on this item. DPH recently updated the Health Office Order on May 14, 2021 as Los Angeles County entered the least restrictive tier of the State's Blueprint for a Safer Economy Framework. As certain activities are allowed to resume, DPH continues to urge residents to adhere to precautions and receive vaccinations. Vaccinations are widely available to those 12 years and older, but most individuals are still not fully vaccinated and remain susceptible to infections. It is vitally important to vaccinate as many residents as soon as possible given that the virus variants' impacts remain largely unknown. Neighboring states, including Oregon, Nevada, Utah, and Arizona, are experiencing a recent increase in case and hospitalization rates.

#### Key Discussions/Questions:

- C. Liao inquired about mask mandates for Los Angeles County residents beyond June 15<sup>th</sup>. Mr. Ferrer responded that DPH will continue to evaluate the existing situation and issue another reopening protocol that dictates the need for mask-

wearing beyond June 15<sup>th</sup>.

- C. Liao expressed concerns regarding indoor parks and recreation classes and inquired about restrictions for indoor class instructions. Mr. Ferrer responded that DPH will follow up to provide additional information on restrictions for indoor class instructions.
- D. Bertone commented that the conflicting recommendations and regulations between the federal, state, and local levels can be confusing for residents. Mr. Ferrer responded that residents and businesses are recommended to follow local guidance to avoid confusion.

#### **STAFF ANNOUNCEMENT**

##### **20. Next Committee Meeting**

The committee is scheduled to reconvene on Wednesday, June 16, 2021 at 1:00pm.

#### **ANNOUNCEMENTS**

C. Liao announced that the League of California Cities is currently advocating for the State to allocate \$225 million from the General Fund to support local governments' efforts to comply with SB 1383.

#### **ADJOURN**

D. Bertone adjourned the Energy, Environment, and Natural Resources (EENR) Committee meeting at 2:18 p.m.



# REPORT

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DATE: June 16, 2021

TO: Energy, Environment, and Natural Resources (EENR) Committee

FROM: South Coast Air Quality Management District (AQMD)

RE: **AQMD LIAISON REPORT**

## **RECOMMENDED ACTION**

For information only.

## **LIAISON REPORT**

### **Funding for Additional Batteries for Commercial Electric Lawn and Garden Equipment Program Approved**

On March 5, 2021 South Coast AQMD's Governing Board approved \$50,000 in funding that will be used to provide additional batteries for the program. Participants purchasing equipment funded by the Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program (L&G) will now be able to purchase up to three replacement batteries for their equipment at a discount of up to 75 percent off the purchase price.

The L&G program replaces old gasoline- or diesel-powered commercial lawn and garden equipment with zero emission, battery-electric technology. The program offers a variety of makes and models of commercial-grade electric lawn and garden equipment, including handheld trimmers, chainsaws, pruners, backpack and handheld blowers, and lawnmowers including ride-on, stand-on and walk-behind mowers.

Eligible entities, including local governments, school districts, nonprofit organizations, and commercial gardeners and landscapers can participate in the L&G program and purchase eligible equipment from participating dealer locations throughout South Coast AQMD's four-county jurisdiction.

Since its inception, the L&G program has replaced approximately 4,800 old gasoline- or diesel-powered commercial lawn and garden equipment. For additional information, please visit: [www.aqmd.gov/lawnmower](http://www.aqmd.gov/lawnmower), contact us via email at [lawngarden@aqmd.gov](mailto:lawngarden@aqmd.gov) or call 888-425-6247.

### **New "Who to Call" Guide for Governmental Agencies and Services within LA County Now Available**

In response to recommendations by members of the community, and as part of South Coast AQMD's Environmental Justice Community Partnership (EJCP), the Inter-Agency Task Force has created an extensive directory of governmental agencies and services within Los Angeles County.

Available in both English and Spanish, the Who to Call guide includes the names, phone numbers, websites, and email addresses for multiple regulators and organizations, as well as helpful tips and other important information to connect residents to the services they need.

The Who to Call guide has been shared with community-based organizations, agencies, cities, and the public to assist users in identifying the right contacts for their environmental concerns and related issues in their communities.

The Who to Call guide is available online at <http://www.aqmd.gov/home/research/publications>.

## **South Coast AQMD Completes Pilot Testing of Mobile Sensing Project with Google**

The Air Quality Sensor Performance Evaluation Center (AQ-SPEC) at South Coast AQMD has reached major milestones in its partnership with Google Earth Outreach to test the performance of low-cost sensors on moving vehicles. AQ-SPEC has conducted stationary field and laboratory testing of commercially available low-cost sensors since 2014, with new efforts to expand testing of low-cost sensors in mobile monitoring applications. The first major step was the release of low-cost sensor testing protocols on a vehicle. The testing procedures used three different sensor mounting locations to evaluate how turbulence on a moving vehicle can affect measurement results.

The second major step was the completion of pilot testing the protocol with both ozone and fine particulate (PM<sub>2.5</sub>) sensors, which are among the most widely used sensor devices for community monitoring.

The results identified optimal mounting locations for both types of sensors. The results provide a science-based template for collecting representative and consistent data from mobile sensors, allowing for greater adoption of air quality mobile monitoring.

A condensed version of the evaluation protocol and the results from the pilot-testing of the ozone and PM<sub>2.5</sub> sensors were published in the peer-reviewed journal *Environmental Science & Technology* as an open-access research article.

More details on the mobile sensor testing project, as well as links to the testing protocols and the published article can be found at: <http://www.aqmd.gov/aq-spec/special-projects/mobile-sensors>.

For more South Coast AQMD updates, please check out our recent edition of newsletter: <http://www.aqmd.gov/home/research/publications/advisor-archive/current-edition>

DATE: June 16, 2021

TO: Energy, Environment, and Natural Resources (EENR) Committee

FROM: Marisa Creter, Executive Director

RE: **INDOOR AIR QUALITY IN THE COVID AND POST-COVID AGE**

## **RECOMMENDED ACTION**

For information only.

## **BACKGROUND**

Heating, ventilation, and air conditioning (HVAC) units maintain indoor environments that are safe and healthy for building occupants by reducing the spread of infection through ventilation, temperature, and humidity controls. As a result of the COVID-19 Pandemic, the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) recently released a set of recommendations for reducing airborne infectious aerosol exposures.


The set of recommendations include:

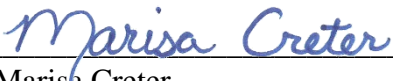
1. **Public Health Guidance:** Follow all regulatory and statutory requirements and recommendations for social distancing, mask-wearing, administrative measures, and circulation of occupants.
2. **Ventilation:** Provide and maintain the required minimum outdoor airflow rates for ventilation as specified by applicable codes and standards.
3. **Filtration:** Use combinations of filters and air cleaners that achieve a Minimum Efficiency Reporting Value (MERV) of 13 or better levels of performance for air recirculated by HVAC systems.
4. **Air Cleaners:** Only utilize air cleaners for which evidence of effectiveness and safety is clear.
5. **Reduce Exposure:** Select control options that provide desired exposure reduction while minimizing associated energy penalties.
6. **Air Distribution:** Where directional airflow is not specifically required, or not recommended as the result of a risk assessment, promote mixing of space air without causing strong air currents that increase direct transmission from person-to-person.
7. **HVAC Control:** Maintain temperature and humidity design set points.
8. **Clean Air Supply:** Maintain equivalent clean air supply required for design occupancy whenever anyone is present in the space served by the HVAC.
9. **Limit Contaminated Air:** Limit re-entry of contaminated air that may re-enter the building from energy recovery devices, outdoor air, and other sources to acceptable levels.

kW Engineering Director, David Gilliland, P.E., will provide a presentation on this item.

# REPORT

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Prepared by:   
Alexander P. Fung  
Management Analyst

Approved by:   
Marisa Creter  
Executive Director

# REPORT

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DATE: June 16, 2021

TO: Energy, Environment, and Natural Resources (EENR) Committee

FROM: Marisa Creter, Executive Director

RE: **SOLAR ON MULTIFAMILY AFFORDABLE HOUSING**

## **RECOMMENDED ACTION**

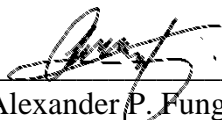
For information only.

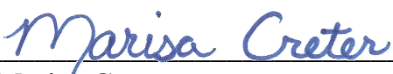
## **BACKGROUND**

The Solar on Multifamily Affordable Housing (SOMAH) Program provides financial incentives for installing photovoltaic (PV) energy systems on multifamily affordable housing units. The Program, which is administered by the Center for Sustainable Energy, Association for Energy Affordability, GRID Alternatives, and California Housing Partnership, delivers clean power and credits on energy bills to hundreds of thousands of California's affordable housing residents.

The Program serves utility and community choice aggregator customers in the territories of Pacific Gas and Electric, Southern California Edison, San Diego Gas and Electric, Liberty Utilities Company, and PacifiCorp. Funded through greenhouse gas allowance auction proceeds, SOMAH has an annual program budget of up to \$100 million and an overall target to install 300 megawatts of generating capacity by 2030.

The Center for Sustainable Energy Project Manager, Kajsa Hendrickson, will provide a presentation on this item.

Prepared by:   
Alexander P. Fung  
Management Analyst

Approved by:   
Marisa Creter  
Executive Director

DATE: June 16, 2021

TO: Energy, Environment, and Natural Resources (EENR) Committee

FROM: Marisa Creter, Executive Director

RE: **PLASTIC RECYCLING SYMBOLS AND CODES OVERVIEW**

## **RECOMMENDED ACTION**

For information only.

## **BACKGROUND**

The Society of the Plastics Industry (SPI) introduced a recycling code system in 1988 that helps with recycling plastic items. Almost all plastic products currently bear the general recycling symbol, which includes a triangle formed by three “Chasing Arrows,” and their respective numbers. The numbers are references to the types of plastic the products are made of. Given that different types of plastics are composed of different molecules or sets of molecules, some plastic products cannot be mixed together when they are recycled.

By understanding the number classifications, consumers can better determine the appropriate disposal route of each plastic product; however, it is important to note that not all plastics are recyclable or reusable. The recycling code consists of the numbers 1 through 7, as follows:

### **Number 1: PETE or PETG**

Number 1 plastics include polyethylene terephthalate, which can commonly be found in soft drink bottles, mineral water containers, fruit juice containers, and cooking oil containers. These plastics are easily recyclable and can be reused to manufacture containers, carpet, and furniture. Number 1 plastics are often accepted by curbside recycling programs.

### **Number 2: HDPE**

Number 2 plastics include high-density polyethylene, which can be found in containers for cleaning agents, milk, detergents, shampoo, and washing and shower soaps. HDPE sheets can also be easily recycled into pipes, oil bottles, pens, and detergent bottles. Number 2 plastics are commonly accepted by curbside recycling programs.

### **Number 3: PVC or Vinyl**

Number 3 plastics include polyvinyl chloride, which can be found in trays for fruits, plastic packaging, and food foils. Due to its lightweight and rigid properties, PVC plastics can be easily stamped, sawed, punched, nailed, riveted, or bonded using PVC adhesive. Number 3 plastics are rarely recycled and are usually not included in curbside recycling programs. In some cases, these plastics can be recycled and repurposed as speed bumps, roadway gutters, fences, non-food bottles, and cables.

**Number 4: LDPE**

Number 4 plastics include low-density polyethylene, which can be found in crushed bottles, shopping bags, high-resistant sacks, and wrappings. While these plastics are not usually recycled, they can be converted into floor tiles, shipping envelopes, laboratory equipment, and various containers.

**Number 5: PP**

Number 5 plastics include polypropylene plastics, which can be found in furniture, luggage, toys, and cars. These plastics are ideal for the manufacturing of ketchup bottles and medicine bottles due to their durability, strengths, and low weights. Number 5 plastics are increasingly accepted by curbside recycling programs.

**Number 6: PS**

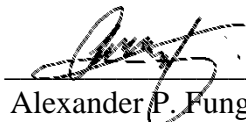
Number 6 plastics include polystyrene plastics, which are used for toys, hard-packing, refrigerator trays, cosmetic bags, costume jewelry, CD cases, and vending cups. Although not accepted by many curbside recycling programs, these plastics can be recycled to manufacture egg cartons, take-out containers, and rulers.

**Number 7: Other**

Number 7 plastics include, but are not limited to, acrylic plastic, polycarbonate plastic, polylactic fibers, nylon, and fiberglass. Not every plastic item can be recycled; however, both acrylic and polycarbonate plastics can be recycled and repurposed. Residents should consult with their local recycling programs before recycling number 7 plastics.

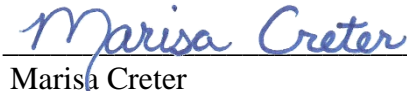
SGVCOG Management Analyst, Alexander Fung, will provide a presentation on this item.

Prepared by:



Alexander P. Fung  
Management Analyst

Approved by:



Marisa Creter  
Executive Director