



City of Berkeley ZERO WASTE COMMISSION Regular Meeting

Monday, June 27, 2022 at 7:00 p.m.

PUBLIC ADVISORY: THIS MEETING WILL BE CONDUCTED EXCLUSIVELY THROUGH ZOOM VIDEOCONFERENCE AND TELECONFERENCE

Pursuant to Government Code Section 54953(e) and the state declared emergency, this meeting of the City of Berkeley Zero Waste Commission will be conducted exclusively through teleconference and Zoom videoconference. The COVID-19 state of emergency continues to directly impact the ability of the members to meet safely in person and presents imminent risks to the health of attendees. Therefore, no physical meeting location will be available.

To access the meeting remotely: Join from a PC, Mac, iPad, iPhone, or Android device, please use this URL to join the meeting:

<https://us02web.zoom.us/j/82587046286>

If you do not wish for your name to appear on the screen, then use the drop-down menu and click on "rename" to rename yourself to be anonymous. To request to speak, use the "raise hand" icon by rolling over the bottom of the screen. **To join by phone: Dial 1-669-900-9128 and enter Meeting ID: 82587046286#.** If you wish to comment during the public comment portion of the agenda, Press *9 and wait to be recognized by the Chair. Note: Your phone number will appear on the videoconference screen.

MEETING AGENDA

PRELIMINARY MATTERS:

- 7:00 pm 1. Call to Order by Chair and Roll Call by Secretary
- **Christienne de Tournay (Chair)**, appointed by CM Sophie Hahn, District 5
 - **Steven Sherman (Vice Chair)**, appointed by CM Rashi Kesarwani, District 1
 - **VACANT**, appointed by Mayor Jesse Arreguin
 - **Rachel Doughty**, appointed by CM Terry Taplin, District 2
 - **Antoinette Stein**, appointed by CM Ben Bartlett, District 3
 - **Samantha Nelson**, appointed by CM Kate Harrison, District 4
 - **Sandra Curtis**, appointed by CM Susan Wengraf, District 6
 - **VACANT**, appointed by CM Rigel Robinson, District 7
 - **VACANT**, appointed by CM Lori Droste, District 8
- 7:05 pm 2. Approve Meeting Agenda and Order of Agenda Items
- 7:10 pm 3. Approve Draft Action Minutes:
- May 23, 2022 Regular Meeting*

- 7:15 pm 4. Public Comment on Items Not on the Agenda
Speakers are allotted up to two minutes. Speakers may be allotted less time at the discretion of the Chair.
- 7:25 pm 5. Commissioner Announcements
Commissioners may make general announcements; no action will be taken.
- 7:30 pm 6. Staff Updates:
- Zero Waste Integrated Waste Management Plan (Strategic Plan)
 - Transfer Station Rates
 - C&D Processing RFP
 - Transfer Station Redesign
 - FITES Committee Draft Bag Ordinance
 - Single-Use Foodware Ordinance Implementation
 - SB 1383 Implementation
 - Staffing Update

DISCUSSION AND ACTION ITEMS:

Members of the public may provide comments at the end of each discussion item and prior to the vote of the Commission on any action items. Speakers are allotted up to 2 minutes.

- 7:45 pm 1. East Bay Depot for Creative Reuse Presentation – Jasmine Fallstich
- 8:30 pm 2. Discuss SB54 and possible action to advise Council to support the legislation.
- Current version of the legislation available here:
https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220SB54
 - Legislation summary available here:
<https://openstates.org/ca/bills/20212022/SB54/>
- 8:50 pm 3. Discuss Future Agenda Items
- 9:00 pm 4. Adjournment

INFORMATION ITEMS:

Information items may be moved to discussion but no action will be taken.

- US EPA Region 9's Zero Waste Update*

COMMUNICATIONS:

Communications from the public are included as links or attachments in the agenda packet.

- Kelly Hammargren email sent to Commissioners June 5, 2022*
- Martin Bourque article link sent to Commissioners re: FW: Palo Alto, California, amending GreenWaste recycling contract in move to prioritize domestic markets | Waste Dive: <https://www.wastedive.com/news/palo-alto-greenwaste-domestic-recycling-markets/625114/>

- Max Wechsler article link sent to Commissioners re: "WASHINGTON (June 8, 2022) - Today, U.S. Environmental Protection Agency (EPA) announced \$375 million in funding through President Biden's Bipartisan Infrastructure Law for new recycling, reuse and waste prevention programs. The Agency published three Requests for Information seeking input on the design of these new materials management initiatives, the first step in the process to implement the largest EPA investment in recycling in 30 years."
<https://www.epa.gov/newsreleases/biden-harris-administration-and-epa-announce-375-million-funding-bipartisan>. Note: It appears that states can apply for these grants, but not cities.

*Indicates material included in the agenda packet

** Indicates material to be available at the meeting



ADA Disclaimer: This meeting is being held in a wheelchair-accessible location. To request a disability-related accommodation(s) to participate in the meeting, including auxiliary aids or services, please contact the Disability Services Specialist at 981-6418 (V) or 981-6347 (TDD) at least three business days before the meeting date. Please refrain from wearing scented products to this meeting.

SB 343 Disclaimer:

Any writings or documents provided to a majority of the Commission regarding any item on this agenda will be made available for public inspection at the Public Works Department located at the address below.

Communications Disclaimer:

Communications to Berkeley boards, commissions or committees are public record and will become part of the City's electronic records, which are accessible through the City's website. Please note: e-mail addresses, names, addresses, and other contact information are not required, but if included in any communication to a City board, commission or committee, will become part of the public record. If you do not want your e-mail address or any other contact information to be made public, you may deliver communications via U.S. Postal Service or in person to the secretary of the relevant board, commission or committee. If you do not want your contact information included in the public record, please do not include that information in your communication. Please contact the secretary to the relevant board, commission or committee for further information.

Commission Secretary:

Heidi Obermeit, Recycling Program Manager,
Zero Waste Division, 1201 2nd St. Berkeley, CA 94710
510-981-6357
hobermeit@cityofberkeley.info

MINUTES

The meeting was convened at 7:04 p.m. with Chrise de Tournay, Chair, presiding.

ROLL CALL

Present: Chrise de Tournay, Steven Sherman, Samantha Nelson, Sandra Curtis
LOA: Rachel Doughty
Absent: Antoinette Stein

STAFF PRESENT: Heidi Obermeit, Greg Apa

MEMBERS OF THE PUBLIC PRESENT: 8

PUBLIC COMMENTS (on non-agenda items): 3

ACTION MINUTES:

1. Approval of the May 23, 2022 Regular Meeting Agenda

Action Taken: M/S/C (de Tournay/Curtis) to approve the meeting agenda for May 23, 2022.

Ayes: Unanimous; Abstain: None; Absent: Doughty, Stein

2. Approval of the April 25, 2022 Regular Meeting Minutes

Action Taken: M/S/C (Sherman/Curtis) to approve the April 25, 2022 meeting minutes.

Ayes: Unanimous; Abstain: None; Absent: Doughty, Stein

3. Review and Approve the draft FY 22/23 Zero Waste Commission Work Plan and Information Report*

Action Taken: M/S/C (de Tournay/Curtis) to approve the attached work plan and information report to be submitted to Council.

Ayes: Unanimous; Abstain: None; Absent: Doughty, Stein

Public Comment: 1

4. Discuss future agenda items

- Form subcommittees to accomplish work plan priorities
- Transfer Station Rates – staff requested to provide a review of the proposed rates once publicly available
- Invite Californians Against Waste rep to discuss state legislation
- Consider other visiting presenters
- FITES Committee update on possible Plastic Bag Ordinance

Public Comment: 1

5. Adjournment at 8:01 p.m.

M/S/C (de Tournay/Curtis) to adjourn the meeting.

Ayes: Unanimous; Abstain: None; Absent: Doughty, Stein

The next regular meeting of the Zero Waste Commission will be held on Monday, June 27, 2022 at 7:00 p.m. by virtual videoconference/teleconference. The link to access the virtual meeting will be posted to the Community Calendar: www.cityofberkeley.info/communitycalendar/

Respectfully Submitted:

Heidi Obermeit, Secretary

DRAFT



Zero Waste Commission

INFORMATION CALENDAR
DATE TDB

To: Honorable Mayor and Members of the City Council
From: Zero Waste Commission
Submitted by: Christienne de Tournay, Chairperson, Zero Waste Commission
Subject: Zero Waste Commission Fiscal Year 2022-23 Work Plan

INTRODUCTION

The Zero Waste Commission (ZWC) is responsible for making recommendations on City solid waste policy and goals, including commercial and residential garbage, and recycling services, budgets, and other decisions relating to solid waste in the City of Berkeley. The ZWC adopted the FY 2022-23 Work Plan on May 23, 2022.

M/S/C: de Tournay/Curtis; Ayes: de Tournay, Sherman; Nelson, Curtis; Abstain: None; Absent: Doughty; Stein.

CURRENT SITUATION AND ITS EFFECTS

Over the last two years, the City of Berkeley, along with the rest of the world, has made its best efforts to survive during Covid-19, and operations/staff have been running as usual following the initial lock-down period. The City of Berkeley is enacting important changes and improvements to its Zero Waste services and long-term plans, including:

- Continuing the process to design the replacement of the Solid Waste & Recycling Transfer Station (SW&RTS), which is currently going through the CEQA process,
- Adapting to changes in the recycling export markets,
- Implementing the Single Use Foodware and Litter Reduction Ordinance,
- Implementing new state legislation SB 1383 to reduce landfilled organics, and
- Expanding collection services for hard-to-recycle materials.

ZWC is supporting the development of a Zero Waste Division Strategic Plan, and the SW&RTS replacement, as well as evaluate new proposed legislation or programs targeting some of the larger remaining components of avoidable waste.

These projects advance the City's Strategic Plan goals to:

1. Provide state-of-the-art, well-maintained infrastructure, amenities, and facilities
2. Be a global leader in addressing climate change, advancing environmental justice, and protecting the environment

The following goals have been identified for the upcoming year:

Goal	Resources	Program activities	Outputs	Outcomes
Transfer Station Replacement	Feasibility Study (completed Nov. 2019) First Carbon Solutions retained for CEQA	Consultant presentation to Commission TBD	None	N/A
Zero Waste Strategic Plan	RFP was issued for consultant in Q2 2022	Consultant presentation at ZWC TBD	Commission recommendations to City Council	Ongoing Commission Feedback
Food Recovery and Organics Diversion SB1383	City Staff	Continue staff updates	Provide recommendations as needed to Council and other stakeholders	Help achieve state SB1383 requirements
Single-Use Foodware & Litter Reduction Ordinance	City Staff, Ecology Center, UC Berkeley/Cal Zero Waste	Follow implementation of Single-Use Foodware Ordinance, review through lens of Covid-19 repercussions	Provide recommendations as needed to Council and other stakeholders	Provide feedback to Council on Ordinance Implementation
Reduce Landfilling of Construction Debris	Deconstruction Subcommittee, Bay area Deconstruction group, Urban Ore	Work with builders, material resellers, CEAC, Community Health, Landmarks, Disaster/Fire Safety and Planning to increase reuse of old growth wood debris	Recommendations for Council	Recommendations for Council by end of year 2022
Clarify/Define/ Revisit what is acceptable for program acceptance/ recycling of all plastics	City Staff, Community Conservation Centers, Ecology Center, StopWaste	Listen to experts, gather information, receive updates from City partners	Recommendation to Council	Economically viable and environmentally responsible collection operation for recyclable plastics (Highest and best use)

BACKGROUND

- **Transfer Station Replacement:** Community meetings were held in 2019 for design of replacement input. First Carbon Solutions has been retained to conduct the CEQA certification process for the replacement project.
- **Food Recovery & Organics Diversion SB 1383** requires reduction of organic waste disposal 50% by 2020 and 75% by 2025. Starting in 2022, all CA jurisdictions will need to provide organic waste collection services to all residents and businesses. Berkeley will be required to use products made from this recycled organic material, such as renewable energy, compost, and mulch. Food

service businesses must donate edible food to food recovery organizations. This will help feed the almost 1 in 4 Californians without enough to eat. California has a 2025 goal to rescue 20% of edible food currently thrown away, and redirect it to those in need.

- Single-Use Foodware & Litter Reduction Ordinance: All of the Foodware Ordinance phases have been enacted. Phase 2, requiring all disposable foodware to be compostable and includes a .25 cent charge for disposable cups, took effect on 1/1/20 (just before the mandated Covid-19 *Shelter in Place order*). Phase 3, mandating reusables for dine-in, began on 7/1/2020. Enforcement of all phases has been relaxed due to the pandemic, but is now increasing with addition of new staff positions.
- Plastics - Feasibility of Recyclability: Due to declining infrastructure/operations and unreliable markets for many grades and compositions of plastics, the City's municipal collection program will require reassessment of which plastics are acceptable in its stream.
- Reduce Landfilling of Construction Debris: Carpet recycling program was established at the Transfer Station in 2019. Due to multi-city operations of the construction industry, Deconstruction Ordinance may be introduced at regional level. Recommendations for Council will likely be proposed by end of year 2022.

ENVIRONMENTAL SUSTAINABILITY

Potential to reduce quantity of material sent to landfill and reduce consumption of new materials.

POSSIBLE FUTURE ACTION

Future Action Items that ZWC may send to City Council include:

- Resolution to support a Regional Deconstruction Ordinance
- Resolution to support a Citywide Reusable Food Container program
- Resolution to support an expanded coordinated effort with UCB during Cal moveout months
- Public information available for transparency in materials being recycled based on markets and destinations.

FISCAL IMPACTS OF POSSIBLE FUTURE ACTION

Reusable Food Container program and City/UCB collection efforts require funding.

CONTACT PERSON

Heidi Obermeit, Recycling Program Manager, Public Works, (510) 981-6357



Disclaimer: *Some of the events, articles and websites listed in this email are not sponsored by EPA. EPA Region 9 is listing them for informational purposes only, is not responsible for their content and does not endorse any commercial product, service, enterprise, or policy that may be included.*

FUNDING: EPA Request for Information:

EPA is requesting feedback – *in writing or via webinar* - to inform the programs, grant criteria and resources funded under the 2021 Bipartisan Infrastructure Law -- \$350 million in total grant funding FY 22-26!

Written Feedback Opportunities (online or by mail)

- **Solid Waste Infrastructure for Recycling Grant Program** ([OLEM-2022-0342](#)) – Closes July 25, 2022

- **Recycling Education and Outreach Grant Program and Model Recycling Program Toolkit** ([OLEM-2022-0375](#)) – Closes July 25, 2022
- **Development of Best Practices for Collection of Batteries to be Recycled and Voluntary Battery Labeling Guidelines** ([OLEM-2022-0340](#)) – Closes July 11, 2022

Webinar Feedback Sessions

- **Recycling Stakeholders Feedback Session** – June 14, 2022 (8:00 AM – 9:30 AM PDT) Session to provide input on the grant programs and related data and measurement for **non-governmental organizations, community groups, academic institutions, non-profits as well as private sector companies in reuse, recycling and composting industries.**
[Webinar Registration - Zoom \(zoomgov.com\)](#)
- **Battery Recycling Best Practices and Labeling Guidelines** – June 15, 2022 (10:30- 12:00 PDT) Session for all stakeholders involved in the battery lifecycle, including battery manufacturers; battery retailers; battery recyclers; consumers and businesses that purchase batteries; companies in the electric vehicle management chain; and tribal, state, and local government agencies to provide input on new battery recycling initiatives.
[Meeting Registration - Zoom \(zoomgov.com\)](#)

Learn more in this [EPA Press Release](#) and on our [Bipartisan Infrastructure Law website](#).

[Sign up for email updates](#) on these waste reduction Bipartisan Infrastructure Law programs.

Government-wide Funding Opportunities

- **Bipartisan Infrastructure Law Guidebook:** https://www.whitehouse.gov/wp-content/uploads/2022/01/BUILDING-A-BETTER-AMERICA_FINAL.pdf
- **Technical Assistance on Bipartisan Infrastructure Law:**
<https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/18/white-house-releases-technical-assistance-guide-to-help-communities-unlock-resources-from-bipartisan-infrastructure-law/>

Commonwealth of the Northern Mariana Islands Zero Waste Training

In May, EPA Region hosted a delegation from Saipan, Tinian, Rota, and the Northern Islands Zero Waste Training to support their disaster recovery following Typhoon Yutu – one of the most severe typhoons ever recorded. Many thanks to CNMI’s Zero Waste Team and to the expert trainers and tour guides:

- Robin Plutchok & Angelina Vergara, [StopWaste](#)
- Marria Evbuoma, [San Francisco Conservation Corps](#)
- Laura Moreno, [CalRecycle](#)
- Michael Johnson & Matthew Nieswender, [CNMI Office of Planning and Development](#)

- Candice Kollar, [Kollar EcoCreative®](#)
- Patty Garbarino, Carlos Hernandez, Justin Wilcock, Jennifer Grenier Selvig, Kathy Wall, [Marin Sanitary Service](#)
- Tim Dewey-Mattia, [Napa Recycling & Waste Services](#)
- John Hake, [East Bay Municipal Utility District](#)
- Max Wechsler, [Urban Ore \(EPA Recorded Webinar\)](#)
- Mike Ware, [Berkeley Recycling](#)
- Laureteen Brazil, [El Cerrito Recycling + Environmental Resource Center](#)



Secretary of the Interior Haaland Phases Out Single-Use Plastics on Public Lands



*“The Interior Department has an obligation to play a leading role in reducing the impact of plastic waste on our ecosystems and our climate. As the steward of the nation’s public lands, including national parks and national wildlife refuges, and as the agency responsible for the conservation and management of fish, wildlife, plants and their habitats, we are uniquely positioned to do better for our Earth,” said **Secretary Haaland**. “Today’s Order will ensure that the Department’s sustainability plans include bold action on phasing out single-use plastic products as we seek to protect our natural environment and the communities around them.”*

Press Release: <https://www.doi.gov/pressreleases/secretary-haaland-issues-order-phase-out-single-use-plastics-protect-public-lands-0>

Secretary’s Order 3407: <https://www.doi.gov/sites/doi.gov/files/elips/documents/so-3407.pdf>



Training Opportunities & Conferences

- [Resource Recycling Conference](#), August 15-17, 2022, Austin, TX
- [California Resource Recovery Association Annual Conference & Tradeshow](#), September 6-9, 2022, Oceanside, CA
- [Decon + Reuse '22](#), October 18-20, Virtual
- [GreenBuild Conference and Expo](#), Nov. 1-3, 2022, San Francisco, CA
- [TRUE Advisor Certificate Program](#), Online/On Demand Commercial/Facility Zero Waste Certification
- [CalRecycle Events and Meetings & Webcasts](#)
- [SWANA Events and Training](#)

Webinars

Northern California Recycling Association

What's New in 2022 for the California Bottle Bill, June 14, 2022, 5:30-7:30 PM PDT

<https://www.eventbrite.com/e/ncra-zero-waste-advocacy-committee-monthly-zwac-show-tickets-352569834867>

Recorded EPA Sustainable Materials Management Webinars

<https://www.epa.gov/smm/sustainable-materials-management-web-academy>

Spotlight: Achieving Zero Waste with Innovative Reuse and Recycling Contracts

<https://www.epa.gov/smm/sustainable-materials-management-smm-web-academy-webinar-achieving-zero-waste-innovative-reuse>

Recorded EPA Trash Free Waters Webinars <https://www.epa.gov/trash-free-waters/trash-free-waters-webinars>

Recorded West Coast Climate and Materials Management Forum Webinars

<https://westcoastclimateforum.com/resources/webinars>



Search all federal grants online: <https://www.grants.gov>

After you find a specific federal grant page, the full grant solicitation and key documents are usually under the “Related Documents” tab.

Register to apply for federal grants: <https://www.grants.gov/web/grants/applicants.html>

U.S. EPA Source Reduction Assistance Grants

Grant program supporting research, experiments, surveys, demonstration projects, education and training related to source reduction approaches which is also known as “pollution prevention” or “P2.” Suggested project types are provided in the Request for Applications.

Geographic Location: All projects must take place within the geographic boundaries of EPA Regions 3, 4, 7, 8, 9 and/or 10. ([Map](#))

Funding Available: EPA anticipates awarding 8-27 grant awards ranging from \$40,000-\$250,000, with up to a total of \$1,135,000. A 5% match is required.

Applications Due: July 22, 2022

Eligibility: States, local, interstate, and intrastate government agencies and instrumentalities, federally recognized tribes, inter-tribal consortia and non-profit organizations formed under Section 501 (c)(3) of the Internal Revenue Code.

Additional Information:

<https://www.epa.gov/p2/grant-programs-pollution-prevention#sra>

EPA Brownfield Job Training Grants

Brownfields Job Training programs recruit, train, and retain a local, skilled workforce by prioritizing unemployed and under-employed residents to obtain the skills and credentials needed for pathways into full-time employment in the environmental field.

Brownfields Job Training Grants require training in brownfield assessment and/or cleanup activities and Hazardous Waste Operations and Emergency Response (HAZWOPER) training must be provided. EPA encourages applicants to develop curricula based on local labor market assessments and employers’ hiring needs, while delivering comprehensive training that results in graduates securing multiple certifications.

Eligible training includes [see full Request for Applications for many more]:

- Training in the **use of compost and soil amendments** and associated sampling, testing, and design considerations, and management techniques to support the assessment, cleanup and preparation of sites for urban agriculture and horticulture.

- Training in sustainable **deconstruction** in preparation of a brownfield site cleanup or redevelopment.
- Awareness training in **Environmental Stewardship and Environmental Justice** to promote community involvement in assessment, cleanup and reuse of brownfield sites.
- Training in **climate change mitigation and adaptation or resiliency** as it relates to preparation of brownfield sites for cleanup and subsequent reuse.

Funding Available: \$12,000,000 nationally with an award ceiling of \$500,000

Applications Due: August 2, 2022

Eligibility: Local government, Land Clearance Authority, Regional Council, Redevelopment Agency, Indian Tribes, specified nonprofit organizations, public and nonprofit institutions of higher education, including community colleges. See the Request for Applications for Applications details.

Request for Applications/Additional Information:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340816>

<https://www.epa.gov/brownfields/brownfields-job-training-jt-grants>

USDA Composting and Food Waste Reduction Pilot Project

The grants will support the development and testing of strategies for planning and implementing municipal compost plans and food waste reduction plans. Projects can be located in all community types including rural, urban and suburban.

Composting and Food Waste Reduction Projects or Activities (must address at least one)

- Generate compost
- Increase access to compost for agricultural producers
- Reduce reliance on, and limit the use of, fertilizer
- Improve soil quality
- Encourage waste management and permaculture business development
- Increase rainwater absorption
- Reduce municipal food waste
- Divert residential and commercial food waste from landfills

In addition to meeting one or more of the above purposes applicants are encouraged to align their project proposals to address priorities on environmental justice, racial equity, climate, invest in disadvantaged communities and climate smart agricultural practices.

Priority will be given for each of the following elements:

- Anticipate or demonstrate economic benefits for the targeted community
- Incorporate plans to make compost easily accessible to agricultural producers, including community gardeners, school gardens, and producers
- Integrate food waste reduction strategies, including innovative food recovery efforts

such as, but not limited to, food gleaning, storage, and preservation techniques

- Include a robust plan that describes collaboration with multiple partners.

Funding Available: \$10,200,000 nationally; awards ceiling \$300,000 and floor \$45,000.

Minimum 25% of the federal share awarded cost sharing with contributions of cash, services, materials, equipment, or other in-kind contributions, which may be provided by the applicant or a third party.

Applications Due: September 1, 2022 (11:59 Eastern Time)

Eligibility: County governments, city or township governments, special district governments, Native American tribal governments (Federally recognized), Native American tribal organizations, independent school districts, Others (see entitled "Additional Information on Eligibility" for clarification)

Request for Applications/Additional Information:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340906>

Recorded webinar: <https://youtu.be/61kOKn2rzUw>

U.S. EPA Small Business Innovative Research Grants

Also known as "American's Seed Fund", EPA provides contract funding to small businesses to develop and commercialize innovative environmental technologies. This year's research topics include:

- Technologies to process, sort and identify microplastics
- Innovative technology solutions that build community resilience to disasters
- Innovative technologies that help consumers prevent food waste in the acquisition, preparation, and storage of food
- Innovative technologies or materials that will improve the U.S. recycling system
- Innovative reduction, reuse, and recycling solutions to advance plastic circularity
- Rubber anti-degradant technologies for tires and other rubber products that are lower concern for human health and the environment

Funding Available: Firm-fixed-price contracts of up to \$100,000 for 6 months for "proof of concept" of the proposed technology. Companies that have received a Phase I can submit a proposal for a Phase II award of \$400,000 to further develop and commercialize the technology.

Applications Available and Due: TBD – Phase I anticipated opening mid-June, closing mid-August

Eligibility: Small businesses with 500 or fewer employees

Additional Information:

<https://www.epa.gov/sbir/sbir-funding-opportunities>

<https://www.epa.gov/sbir>

Listserv: <https://www.epa.gov/sbir/sbir-listserv>

Past Recipient Research:

https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/outlinks.sbir/

Other Small Business Innovative Research Programs

- **Overall Program and List of Open Solicitations**
<https://www.sbir.gov/> & <https://www.sbir.gov/sbirsearch/topic/current>
- **Department of Energy** - materials/embodyed carbon, environmental management, etc.
<https://www.energy.gov/science/sbir/small-business-innovation-research-and-small-business-technology-transfer>
- **U.S. Department of Agriculture** – conservation of natural resources, biofuels and biobased products
<https://www.energy.gov/science/sbir/small-business-innovation-research-and-small-business-technology-transfer>

CalRecycle

- **Open Funding Opportunities:**
<https://www.calrecycle.ca.gov/funding#OpenApps>
- **California Recycling Market Development Zone Program:**
<https://www.calrecycle.ca.gov/rmdz>

Job Opportunities

EPA is hiring!

- Learn more about EPA careers: <https://www.epa.gov/careers>
- View and apply for open EPA jobs: <https://www.usajobs.gov/Search/Results?a=EP00>

Region 9 States are hiring!

- **Arizona**
<https://azdeq.gov/careers>
- **California**
<https://calrecycle.ca.gov/jobs/>
- **Hawaii**
<https://health.hawaii.gov/employment/job-opportunities>
- **Nevada**
<https://ndep.nv.gov/about/ndep-career-opportunities>

San Francisco Department of the Environment

- [Construction and Demolition Zero Waste Coordinator](#) - Application Deadline: June 20, 2022
- [Senior Environmental Education Coordinator](#) - Application Deadline: June 20, 2022
- [Public Relations and Policy Coordinator](#) - Application Deadline: June 20, 2022

StopWaste

- [Program Services Specialist for Organics Reduction and Recycling Ordinance Project](#) – June 27, 2022
- [Schools Sustainability Associate – I](#) – Application Deadline, June 30, 2022

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From: kelly hammargren
Sent: Sunday, June 05, 2022 1:46 PM
To: Martin Bourque <martin@ecologycenter.org>; Obermeit, Heidi <hobermeit@cityofberkeley.info>
Cc: Harrison, Kate <KHarrison@cityofberkeley.info>; Wengraf, Susan <SWengraf@cityofberkeley.info>
Subject: From bricks to bags to eco art: six innovative uses for plastic waste around the world

Please share with members of the Zero Waste Commission This note is cc'd to Councilmembers Harrison for her work on reducing plastic waste and Wengraf for her participation in regional Zero Waste

This intent is to reconsider use and disposal of the plastic in our environment and not to give excuse for expansion of plastic everywhere.

Unrecyclable plastic and the contamination of paper with plastic has been discussed at recent Zero Waste Commission meetings.

I came across this article in the Guardian from June 3 bricks to bags to eco art: six innovative uses for plastic waste around the world. There were two uses that were very innovative 1) making plastic bricks from recycled plastic waste with pictures of plastic bricks used in sidewalks and 2) using Tetra Pak cartons to produce composite sheets that are used to make seats in cars, desks and benches.

I wondered if in the sale/disposal of plastic waste from Berkeley if these manufacturing reuses were available.

The enclosed link is emailed from my Guardian subscription if you choose to use it instead of initiating your own search.

https://www.theguardian.com/global-development/2022/jun/03/from-bricks-to-bags-to-eco-art-six-innovative-uses-for-plastic-waste-around-the-world?CMP=share_btn_link

There is a side note Global Development is supported by the Bill & Melinda Gates Foundation.

kelly hammargren