



Zero Waste Commission Regular Meeting AGENDA

Monday, April 22, 2019, 7:00 p.m.
City of Berkeley Corporation Yard (Ratcliff Building, Willow Room)
1326 Allston Way, Berkeley

PRELIMINARY MATTERS (30 minutes):

1. Call to Order and Roll Call

Christienne de Tournay (Chair), appointed by Councilmember Sophie Hahn, District 5
Alfred Twu (Vice Chair), appointed by Councilmember Kriss Worthington, District 7
Annette Poliwka, appointed by Mayor Jesse Arreguin
Ilana Golin, appointed by Rashi Kesarwani, District 1
VACANT, Councilmember Cheryl Davila, District 2
Antoinette Stein, appointed by Councilmember Ben Bartlett, District 3
Margo Schueler, appointed by Councilmember Kate Harrison, District 4
Jennifer Lombardi, appointed by Susan Wengraf, District 6
Brazile Clark, appointed by Councilmember Lori Droste, District 8

2. Approve Agenda

3. Public Comment

Speakers are generally allotted up to three minutes, but may be allotted less time if there are many speakers, at the discretion of the Chair.

4. Announcements from Commissioners

Commissioners may make general announcements; no action will be taken.

5. Approval of Minutes from the March 25, 2019 Regular Meeting*

INFORMATION AND ACTION ITEMS (90 minutes):

Items for discussion and possible action

6. Staff Updates

(20 minutes)

- Transfer Station Feasibility Study
- April 3 Truck Fire
- Carpet Recycling Program
- Report Back from the March 28 National Sword Task Force Meeting
- Cal Move Out
- New Kitchen Pails

7. Zero Waste Commission 2019 Work Plan (2018 Work Plan Attached*)

(30 minutes)

8. Deconstruction Subcommittee Update

(10 minutes)

9. Discuss Single Use Foodware and Litter Reduction Implementation

(10 minutes)

10. Continued discussion regarding possible modifications to the types of plastics accepted in the City's commercial and residential recycling programs due to long-term marketplace changes that impact the marketability of non-bottle plastics #1-#7 (10 minutes)

11. Discuss Future Agenda Items, including mixed waste processing, mechanical/biological processing, the SF Neighborhood Resilience Initiative/Education, and SB54 (10 minutes)

COMMUNICATIONS:

Documents/letters are included as attachments in the agenda packet.

Article links are included below; printed hard copies of the articles are available at the meeting or upon request.

1. Documents submitted by Max Wechsler, Urban Ore
 - Draft of the Bay Area Deconstruction Working Group's "Bay Area Deconstruction Ecosystem"*
 - SB1383 Public Comment Submitted to CalRecycle*
 - Biocycle Article "Setting Rates for Organics Diversion in California":
<https://www.biocycle.net/2019/03/11/setting-rates-organics-diversion-california/>**
2. Fish kill from April 3 discharge into Codornices Creek Letter submitted by Friends of Five Creeks*
3. Article forwarded by Margo Schueler: <https://www.greenmatters.com/p/wild-grass-straws-vietnam>**
4. Informational article links forwarded by staff**
 - <http://www.msn.com/en-us/money/markets/aluminum-makers-ditch-can-business/ar-BBUSQmj?li=BBnb7Kz&ocid=iehp>
 - <https://resource-recycling.com/recycling/2019/03/19/paper-exports-grew-in-2018-but-plastics-fell-35-percent/>
 - <https://resource-recycling.com/recycling/2019/03/26/investments-contradict-end-of-recycling-headlines/>
5. Event Invitation to the 2nd Annual Forum on Access and Disability Rights sent by the Peace & Justice Commission's Secretary*
6. Article forwarded by Martin Bourque, Ecology Center:
<https://resourcerecycling.com/recycling/2019/02/26/california-bill-pushes-cities-to-return-to-dual-stream/>**
7. My Ethical Clothing Guidebook! Submitted by Nicole Garcia, Graphic Designer*
8. EPA Fire Risk in the Waste Handling and Recycling Industry Webinar forwarded by Toni Stein:
https://register.gotowebinar.com/register/7289520597170043659?utm_source=newsletter&utm_medium=email&utm_content=Webinar%20Registration%20Link&utm_campaign=Peace%20of%20Mind%20**

ADJOURNMENT

*Indicates material included in the agenda packet

** Indicates material to be available at the meeting

Please refrain from wearing scented products to this meeting. 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 510-981-6342 (V) or 510-981-6345 (TDD) at least three business days before the meeting date.

*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. Zero Waste Commission Secretary: Heidi Obermeit, 1201 2nd St. Berkeley, CA 94710, 510-981-6357, hobermeit@cityofberkeley.info

(DRAFT) MINUTES

The meeting was convened at 7:13 p.m. with Alfred Twu, Vice Chair, presiding.

ROLL CALL

Present: Alfred Twu, Antoinette Stein, Margo Schueler
LOA: Chrise de Tournay, Annette Poliwka
Absent: Brazile Clark

STAFF PRESENT: Heidi Obermeit

MEMBERS OF THE PUBLIC PRESENT: 5

PUBLIC COMMENT: 5

ACTIONS TAKEN:

1. Approval of the March 25, 2019 Regular Meeting Agenda

M/S/C (Schueler/Stein) to approve the agenda for the March 25, 2019 regular meeting.

Ayes: Unanimous; Abstain: None; Absent: de Tournay, Poliwka, Clark

2. Approval of the February 25, 2019 Regular Meeting Minutes

M/S/C (Schueler/Stein) to approve the minutes from the February 25, 2019 regular meeting.

Ayes: Unanimous; Abstain: None; Absent: de Tournay, Poliwka, Clark

3. Motion to Extend the Meeting for 10 Minutes to 9:10 p.m.

M/S/C (Twu/Stein) to extend the meeting 10 minutes.

Ayes: Unanimous; Abstain: None; Absent: de Tournay, Poliwka, Clark

4. Adjournment at 9:14 p.m.

M/S/C (Stein/Schueler) to adjourn the meeting at 9:14 p.m.

Ayes: Unanimous; Abstain: None; Absent: de Tournay, Poliwka, Clark

The next regular meeting of the Zero Waste Commission will be held on April 22, 2019 at 7:00 p.m. at the City of Berkeley Corporation Yard (Ratcliff Building, Willow Room), 1326 Allston Way, Berkeley.

Respectfully Submitted:

Heidi Obermeit, Secretary



Zero Waste Commission

INFORMATION CALENDAR
July 10, 2018

To: Honorable Mayor and Members of the City Council
From: Zero Waste Commission
Submitted by: Christienne de Tournay, Chair, Zero Waste Commission
Subject: Zero Waste Commission 2018 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 2018 Work Plan (M/S/C McKinstry/de Tournay) April 23, 2018:
Ayes: McKinstry, Twu, Poliwa, Sharenko, Tourney, Whitney
Abstain: None
Absent: Stein, Watson, Clark

CURRENT SITUATION AND ITS EFFECTS

Over the last few years, the City of Berkeley has made a number of important changes to its Zero Waste services and long-term plans, including:

- Rebuilding the municipal Transfer Station
- Initiating the process to develop a Zero Waste Strategic Plan
- Shifting collection of refuse recycling from franchisees to in-house City staff
- City Council referral of a proposed Single-Use Disposable (SUD) Reduction Ordinance to the ZW Commission to study, solicit stakeholder and public input, and provide recommendations back to City Council (April 2018)

ZWC is currently looking at ways to follow through with developing the Strategic Plan, and Transfer Station rebuild, as well as evaluate new proposed legislation to target some of the larger remaining components of avoidable waste. The following goals have been identified for the upcoming year:

Goal	Resources	Program activities	Outputs	Outcomes
Transfer Station Rebuild	RFP issued for consultant for Feasibility Study	Consultant presentation at ZWC Gather public input	Commission recommendations to City Council	Commission feedback by 4 th quarter 2018
Zero Waste Strategic Plan	RFP to be issued for consultant in Q3 2018	Consultant presentation at ZWC Gather public input	Commission recommendations to City Council	Commission feedback by 1 st quarter 2019
Food Recovery and Organics Diversion	Assistance from Community Health Commission and Berkeley Food Network. Potential space allocation by City	Continue updates with Berkeley Food Network. Consider compost quality and SB 1383 compliance.	Provide recommendations as needed to Council and other stakeholders	Food Hub to open by end of 2018
Reduce Use of Single-Use Foodware	Zero Waste Berkeley (which includes the Ecology Center), Foodware Sub-committee	Review referrals from City Council, including proposed Single-Use Disposable Reduction Ordinance Gather stakeholder and public input through outreach and education events and meetings	Recommendations for Council Content for educational materials	Council action by end of year 2018
Reduce Landfilling of Construction Debris	Deconstruction Subcommittee	Work with builders, material resellers, CEAC, Community Health, Landmarks, Disaster/Fire Safety and Planning to draft a Deconstruction Ordinance	Recommendations for Council	Recommendations for Council by end of year 2018
Annual Updates	Culture of Repair - (Fix it Clinics), Urban Ore, Community Conservation Centers, Ecology Center, CAW, NCRA, CPSC Budget Review, Status of Export Of Recycling Materials	Presentations at ZWC Review and recommend relevant legislation Review ZW division budget and tonnage/metrics with City staff	Commission feedback to organizations and to Council	Commission feedback to organizations and to Council

BACKGROUND

Transfer Station Rebuild: Request For Proposal (RFP) issued for initial study on January 25, 2018. Proposals deadline April 26, 2018.

Zero Waste Strategic Plan: Council approved funds for a consultant to create a Strategic Plan. RFP to be issued in the third quarter of 2018.

Food Recovery: ZWC has sent a letter to City Council recommending that Berkeley Food Network be allocated a warehouse space for their Food Hub.

Reduction of Single-Use Foodware: In 2017, Zero Waste Berkeley, a group that includes the Ecology Center, and members of the ZWC Foodware Subcommittee met with businesses to evaluate options for a Disposable Foodware Reduction Ordinance. Zero Waste Berkeley presented a draft to Council in April 2018, around Earth Day. The proposed Ordinance has now been referred to the ZWC by City Council.

Reducing Landfilling of Construction Debris: Portland, Oregon and Palo Alto have recently passed Deconstruction Ordinances. These require that certain buildings be deconstructed or evaluated for deconstruction, a process that allows materials to be reused. Data is now available for Berkeley to use to evaluate feasibility of a similar ordinance.

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:

- Deconstruction Ordinance
- Recommendation to pass Single-use Disposable Foodware Reduction Ordinance (following referral for Commission review from Council)

FISCAL IMPACTS OF POSSIBLE FUTURE ACTION

SUD Foodware Reduction Ordinance will have impacts on operations of businesses that serve food.

Deconstruction Ordinance will have impacts on contractors and property owners planning to renovate or demolish a building.

CONTACT PERSON

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

Dear Mr. Hall and CalRecycle,

Thank you very much for implementing SB 1383 and for including an extensive public comment period. It is an awesome and important undertaking.

I am the Operations Manager at Urban Ore, the reuse retail and recycling Ecopark in Berkeley “to end the age of waste” since 1980. We estimate that we prevent between 7 and 8 thousand tons of materials from going to the landfill annually. Most of the materials are sold for reuse. Much of our merchandise is made from trees and qualifies as organic in your definitions. I just ran some back-of-the-napkin calculations using our point-of-sale data. In 2016, we sold 927 doors, 197 wooden windows, and 367 wooden building material items (dimensional lumber, plywood, trim, etc.) as well as 1,079 pieces of furniture which are mostly wood (desks, dressers, chairs, tables, etc.). These numbers can easily be converted to weight by finding an average for each category and multiplying it by the amount sold.

The 1383 Infrastructure and Market Analysis Report focuses on some very important end uses; however, it excludes an integral piece of the puzzle— reuse facilities. According to Table 1, in 2014, 6.3% of organic landfill generation was clean lumber, and another 5.48% comprised textiles and carpet, which may also qualify for a reuse end use. Not included are the categories of reuse that I mentioned previously, which would probably add at least a few percentage points to the tally (11.78%).

The report should be expanded to include information and data on existing organic materials reuse and associated capacity and infrastructure needs. If this is not possible, CalRecycle should acknowledge the importance of wood reuse as being at the top of the state’s Waste Management Hierarchy and note that it does not include materials reuse capacity or infrastructure information as mentioned in regard to food donation.

I would challenge the statement that “California has a robust infrastructure to process wood wastes” in the sense that PG&E has been ending its 30-year contracts with biomass facilities in order to fulfill its renewable requirements in its energy portfolio; PG&E has been renewing its contracts with solar energy providers. There have also been notable issues with biomass facilities processing finished and painted woods, causing two in the Central Valley to be fined in a major way. Additionally, the mulch market is already oversaturated, and I would echo the statement from the report that “it is unclear how the existing chipping and grinding facilities will adapt to changing market conditions”. This confluence of factors has led to the current state of “Woodageddon”.

The truth is that reuse facilities have been around for a long time. The market is mature but far from saturated. I believe that there is enough supply and demand of reusable goods to support at least one reuse facility like Urban Ore for every concentrated population of 100,000. Reuse facilities are (relatively) easy to permit and cite, they create jobs (we employ 40 and have a handful of regular contractors), pay sales taxes and other local and state taxes (we generate \$2.6 million in gross revenue), and provide affordable goods to the local community, many of whom depend on us, especially with the cost of living in the Bay Area. This is all notwithstanding the environmental benefits. At the November 14, 2018 CalRecycle Pilot Reuse

Grant Stakeholder Session, Clark Williams acknowledged the need to work with CARB on a wood reuse emissions factor, because CARB's current emissions factor for wood materials has biomass as the end use—which again, is not the future of wood waste in California. I have put some effort into understanding the models, and I have input for when reuse enters the picture.

There is a growing deconstruction movement stemming out of Portland, Oregon. This is very important for keeping large volumes of building materials and housing fixtures out of landfills. For more than a year, the Bay Area Deconstruction Working Group – a group of commercial and nonprofit reuse and deconstruction experts, builders, and government officials -- has been meeting quarterly at the EPA Region 9 office in order to figure out how to implement deconstruction policies. It is imperative that California assess and develop infrastructure statewide so that there is capacity to handle the influx and recirculation of these materials.

The Workgroup has learned from CalRecycle and San Francisco that the existing state building code, CalGreen's 65% C&D requirement is not driving wood reuse both because it does not apply to demolition and because builders can easily surpass the 65% diversion rate by recycling concrete, asphalt, and metals on most projects.

My first position at Urban Ore was as a salvager at the Berkeley Regional Refuse Transfer Station, where every day we recover an average of three tons of materials to sell or recycle. The transfer station is permitted for 560 tons-per-day, and every day I would see the mountain of materials pile up on its last stop before going to the landfill. I would frequently see customers throw perfectly nice pieces of furniture off their trucks. In the Construction and Demolition area, front-end loaders push piles of perfectly good dimensional lumber in order to keep it contained. In each case, the items splinter off into a dozen pieces, losing all of their value in the blink of an eye. It's heart-wrenching stuff. The C&D pile is hauled off to one of the best, most prestigious recycling facilities in the world, but even so, there is a higher and better use for the wooden materials, and that is reuse.

I strongly and respectfully urge CalRecycle to investigate reuse as an end use and provide mechanisms such as technical assistance and financial support for reuse facilities as a means to achieve the targets set forth by SB 1383. Thank you very much.

Resourcefully,

Max Wechsler
Operations Manager
Urban Ore, Inc.
"To End the Age of Waste"
O: 510-841-7283 X 303
M: 267-247-6052
www.facebook.com/urbanore
www.urbanore.com

Bay Area Deconstruction Workgroup - Deconstruction Ecosystem, Players
Due April 5th, EOD

Objective: Identify all players that contribute to the success of the deconstruction ecosystem (whether they exist/are active today or not)

Please include a brief explanation of their role, if you feel it clarifies their involvement.

- Elected Officials - *e.g., passing legislation and/or ordinances promoting or requiring organics/wood diversion, deconstruction (Portland, Minneapolis, safe building materials reuse, lead-based paint dust demolition restrictions (OR & Portland), tax incentives for donations and reuse, eliminating state wood sales tax on reclaimed wood. Green New Deal, etc.*
- Property owners
- Appraisers
- IRS Reviewers
- City & County Government Organizations (*which functions are represented?*)
 - Local Government Reuse and Recycling Experts
 - Local C&D Experts
 - Local GHG Experts
 - Local Zero Waste and Solid Waste Experts
 - Regional Sustainability Regulators
 - Local Sustainability Regulators
 - Building Permit Reviewers
 - Local Hazardous Materials Experts
 - Local Air Quality Experts *e.g. demolition lead dust management*
 - Local Building Code Officials and Inspectors
 - Grant and Contract Officials - *e.g., San Mateo County, StopWaste*
- Regional Government
 - Bay Area Air Quality Management District - *GHG/Organics Infrastructure and Permitting, Asbestos J Number*
 - Association of Bay Area Governments
 - Bay Area Regional Water Quality Board
- State Government Organizations
 - Material Management Regulators (CalRecycle)
 - Greenhouse Gas Emissions Protocol Developers (CARB)
 - GHG Planners
 - GHG Regulators
 - Toxics (Lead-Based Paint, Asbestos, etc.) Regulators
 - Public Health Officials
 - Building Code Officials
 - Green Building Officials
 - Materials/Solid Waste Characterization Experts
 - Policy Development and Implementation Officials - *AB 1383, etc.*
 - Grant and Contract Officials - *e.g., Pilot Reuse Grant Program, AB 1383 Infrastructure*
 - CALGreen
- Federal Government Organizations
 - EPA - Convening, national data
 - Deconstruction Experts - *e.g., Presidio Trust, Fort Ord Reuse Authority, etc.*
- Marketers / Outreach Experts
- Market Developers - [CA Recycling Market Development Zone](#) Administrators, Small Business Development Experts, etc.
- Economists: creating a new industry, input will be valuable
- Developers
- Building Owners
- Real Estate Professionals
- Designers/Interior Designers
- Architects

- Construction Specifiers and Purchasers
- Green Building Experts
- Emergency Planners / Disaster Debris
- Reuse and Diversion Records Managers - for taxes, state diversion compliance, LEED, etc.
- Building Contractors - general contractor?
- Furniture Makers
- Certified Salvage Assessment Verifiers
- Deconstruction & Demolition Contractors
- Workforce
- Workforce Development Specialists
- Deconstruction Trainers
- Reuse Retail & Recycling Facilities (“Ecoparks”)
- Researchers/Universities - *e.g., wood markets for Compressed Laminated Timber and plywood products; used building materials safety (toxics and strength)*
- Salvagers
- Site Clean-up Services
- Haulers
- Transfer Stations
- Landfills and Regional Waste Management Districts
- Recycling Operators
- Publicly Managed Layout Space
- Privately Managed Layout Space
- For Profit Lumber Centers
- Salvaged lumber processing and warehouse facility
- Hybrid deconstruction center/panel disassembly facility
- Dimensional lumber re-grading specialists
- Non Profit Reuse Centers
- For Profit Reuse Centers
- End Users - Residential
- End Users - Commercial
- Local/Regional Mills
- Liability Insurance Companies - *e.g., high insurance rates make deconstruction business difficult*
- Renovation/Remodeling Industry
- Manufacturers including equipment and tool manufacturers *e.g. Nail Kicker*
- Product Manufacturers (via take back, leasing programs etc that create markets for this type of activity to happen)
- Makers
 - Artists
 - Fabricators
 - Sales (store owners or brokers)
- Educators
- Students
- Community Members
- Historic Preservation Leaders
- Historians, anthropologists, and archeologists
- Building Standard Setting Organizations *e.g., LEED, Living Building Challenge*
- Nonprofit Advocates *e.g., Building Material Reuse Association, The Reuse Alliance, USGBC NorCal, AIA Chapters, StopWaste*
- Software companies and developers *e.g. Green Halo*
- Life-cycle analysis and carbon modeling consultants *e.g. EcoShift, SupplyShift*
- Carbon credit traders



Friends of Five Creeks

*Volunteers preserving and restoring watersheds of
North Berkeley, Albany, Kensington, south El Cerrito and Richmond since 1996
1236 Oxford St., Berkeley, CA 94709
510 848 9358*

f5creeks@gmail.com

www.fivecreeks.org

April 9, 2019

City of Berkeley Mayor, Council, Manager, Fire Chief, Clerk, and Community Environmental Advisory, Disaster and Fire Safety, Parks and Waterfront, Public Works, and Zero Waste Commissions

City of Albany Mayor, Council, Manager, Clerk, and Public Works and Parks, Waterfront, and Open Space Departments; Parks, Waterfront, and Open Space Commission

Re: Fish kill from April 3 discharge into Codornices Creek

City staff, council members, and commissioners:

As you may know, a discharge of detergent-like surfactant foam (and perhaps other chemicals) resulting from an April 3 garbage-truck fire in Berkeley led to the death of at least 100 fish in Codornices Creek along over a mile of channel¹, including the great majority of the channel accessible to trout.

This small creek on the Berkeley/Albany border is, or was, these cities' only home to rainbow trout (*Oncorhynchus mykiss*). These fish may have descended from ocean-going steelhead (listed as threatened) occasionally seen in the creek since the 1990s, or from illegal plantings (per anecdotal reports). (Several lines of evidence make clear that trout were not in the creek until the late 20th Century.)

Community volunteers from Friends of Five Creeks (F5C) have worked for thousands of hours on the creek² since we discovered these trout in 1999, proved their existence to agencies, and persuaded the Fish and Game Commission to close the creek to fishing. Approximately \$5 million, mostly from state grants, has been spent seeking to improve trout habitat in conjunction with reducing flood risk³.

F5C believes that the most important goal following this discharge is to re-stock the creek from appropriate sources (Department of Fish and Wildlife or East Bay Parks), unless a survey shows that enough trout survived to re-populate the creek. This would also require determining whether aquatic macroinvertebrates, if harmed, have rebounded sufficiently to feed fish. F5C has accurate 2018 baseline counts of macroinvertebrates in lower Codornices Creek and is prepared to help.

It also is vital to determine whether and how more fish might have survived. Wetting agents are vital in fighting fires. Use is likely to increase with global warming. Lessons from this incident could help reduce harm to wildlife statewide. Information from the Berkeley Fire Department, Berkeley Public Works, Berkeley Environmental Health, UC Berkeley Environmental Health and Safety, the City of Albany (which may have deployed a wattle), the Department of Fish and Wildlife, and volunteer observers should be assembled to get a picture.

The fire occurred about 11 AM, about 1000 feet from the creek. When and by whom were other local and state agencies informed? It appears that the foam and dying fish downstream were not reported and state agencies were not informed until after 4 PM, when a F5C volunteer happened to visit the creek.

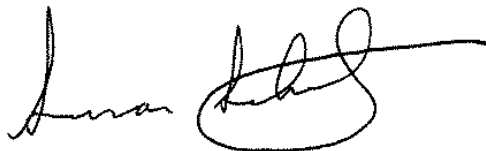
What equipment was used to contain or pick up liquid and foam -- or move it toward storm drains? What route did it take to the creek? Does analysis show that other chemicals were a problem? Could new guidelines or easily available equipment reduce harms in future? Responsibility for the creek is divided; F5C has long sought a single point of contact and signs telling citizens where to report problems. Would these have helped?

Finally, agencies responsible for the publicly owned reach between San Pablo and the Union Pacific tracks must maintain the area in a way that will attract public involvement and stewardship.

Following costly restorations, the creek was largely abandoned, marred by graffiti and dumping, with insufficient trash cans overflowing and trees curtailed by invasive vines in summer and soil eroding and bare in winter. Albany, Berkeley, and UC Berkeley all forgot about \$450,000 in escrow for maintenance. Due to F5C efforts, this money was recently rediscovered and again set aside for the creek⁴. Trash and camping have been reduced, but realistic maintenance is still up to volunteers. F5C held three work parties in March and has three scheduled for April – far from enough to catch up to the backlog of needed work. Without the trout, can this level of dedication continue?

Please consider all this as you inquire and consider what should follow this loss to nature and to the citizens of both cities. Council members and commissioners should request the information needed to make informed judgments.

Sincerely,



Susan Schwartz, President
Friends of Five Creeks

¹Friends of Five Creeks volunteers photographed more than 100 dead fish on April 4, the day after the discharge. Links to these geolocated photos and others showing the extent of foam more than a mile downstream are at https://drive.google.com/drive/folders/1FHD0tz3oUBOLRWKycjhabkz7Pqz6Q_pz (links at www.fivecreeks.org). Adam Neilsen of the Department of Fish and Wildlife walked more of the creek that day, entering private yards above San Pablo. His count is likely to be higher.

². http://www.fivecreeks.org/projects/codornices_creek. Link at www.fivecreeks.org.

³. <http://www.fivecreeks.org/background/CodGrantsForWeb.pdf>. Link at www.fivecreeks.org.

⁴<http://www.fivecreeks.org/background/Codornices%20Creek%20Close%20Escrow%20Agreement.pdf>. Many other plans, studies, and monitoring reports also at www.fivecreeks.org/background/

Cc: San Francisco Bay Regional Quality Control Board, California Dept. of Fish and Wildlife, Tim Pine, Baykeeper



Left: Foam from fire about 11 AM Apr. 3, moving north along California toward Ada and Monterey Market.
Center: Foam below 5th St., over 1 mi. downstream, after 4 PM.
Above: Cloudy water near Fifth Street, after 4 PM.

Below left: Dead trout and lingering foam below Fifth Street next day, April 4.

Below right: Four dead trout in pool above Sixth Street. More than 100 individual dead fish were photographed. To our knowledge, no live fish of any kind have been reported. Crayfish appear unaffected. Water striders returned after two days.



2nd Annual BERKELEY FORUM ON ACCESS AND DISABILITY RIGHTS:

Berkeley's ADA Transition Plan Update and perspectives on inclusivity for persons with disabilities living, working, studying, and visiting in Berkeley, CA with interactive panel presentations and discussion.



THIS meeting is being held in a wheelchair accessible location. ASL Interpreting Services provided. 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) or DBednarska@cityofberkeley.info (email) at least five business days before the meeting date. Please refrain from wearing scented products to this meeting."

8 May 2019
3pm-5pm

**Ed Roberts
Campus**
3075 Adeline St
Berkeley | 94703

Admission Free
Donations Welcome

Panelists

Katherine Zigmont
Operations Director,
World Institute on
Disability

Andrew Brozyna
Deputy Director,
City of Berkeley
Public Works
Department

Rita Maran,
Moderator - CRPD
Subcommittee Chair

Sponsored by the City of Berkeley Peace & Justice Commission's Subcommittee on the UN Convention on the Rights of Persons with Disabilities, the Berkeley Commission on Disability and in coordination with the Disability Rights Education and Defense Fund (DREDF), and the Ed Roberts Campus

Dear Zero waste Commission members,
My name is Nicole Garcia and I'm a graphic designer and artist based in Hayward, CA. A huge emphasis of my work is social justice and sustainability.

I wanted to mail you my recent project in hopes that you can share with your team and the community. My project is a zine on how to shop ethically and sustainably for clothing, something we can all learn to do for global welfare and climate change. My hope is to reach as many people as possible, of all ages, with this ~~in~~ education that they might not receive elsewhere.

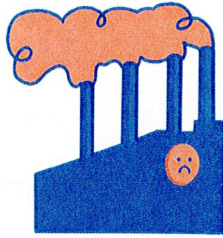
Thank you for the hard work that you do for our community and environment.

Sincerely,
Nicole Garcia

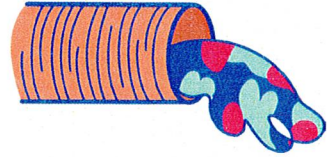
Fact sheet



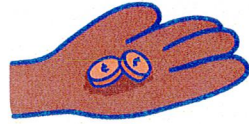
Three out of four garments will end up in landfills or be incinerated. (Greenpeace)



Fashion is the third most polluting industry after oil and agriculture. (EPA)



Clothing production accounts for 20% of global industrial water pollution. (World Resources Institute)



Globally, 50-90% of workers who make our clothes are paid less than the minimum wage. (Global Fashion Agenda)

Resources

Overdressed by Elizabeth L. Cline
The Story of Stuff by Annie Leonard
 The True Cost documentary



My Ethical Clothing Guidebook!



By Nicole Garcia
 nicoleiliana.com
 @wontonface

There's a lot of stigma around used clothing like-new clothing, while others pride themselves on where you shop. Some places specialize in being dirty, damaged, or ugly. But it all depends on what you buy. It's fascinating to know you are decades old. It's fascinating to know you can wear a piece of history — a snapshot of a different era.

Vintage stores in particular stock clothes that are decades old. It's fascinating to know you can wear a piece of history — a snapshot of a different era.

on the most worn-out, stained, raggedy items. like-new clothing, while others pride themselves on where you shop. Some places specialize in being dirty, damaged, or ugly. But it all depends on what you buy. It's fascinating to know you can wear a piece of history — a snapshot of a different era.

Afterlife San Francisco, CA @afterlifeboutique
 Relove San Francisco, CA @shoprelove
 Racks Boutique Sacramento, CA @racksboutique
 @cracksvintage
 boutique from the 1960s! Bowling shirt from the 1960s! @raggedythreads Brooklyn, NY Los Angeles, CA @raggedythreads Boro Resale Detroit, MI @bororesale

These are some of my favorites; you can also order from their website or Instagram and they'll ship, too!

Streetwear Business professional Formal attire

Skirt suit jacket from the 1940s!

BMW enthusiast's jacket!

#1: Opt for used/secondhand clothing first.

I love buying vintage/used clothing because it means an item will be unique, higher quality than present-day items, and good for my community!

Buying used means more than going to your average Goodwill. In fact, they have used clothing stores for everything you could want or need:

Waste
 Resources
 Production
 Consumption

Streetwear Business professional Formal attire

Skirt suit jacket from the 1940s!

BMW enthusiast's jacket!

Bowling shirt from the 1960s!

Skirt suit jacket from the 1940s!

Business professional Formal attire

Streetwear

#3: Remember that ethical shopping is a journey.

It takes time – not only to get to a place where you feel good about your wardrobe, but also to unlearn bad shopping habits and learn positive ones.

My own roadmap to ethical shopping has had its twists and turns. But this is the process I've found works best:



Research

Learn about the issue of fast fashion: read books, watch documentaries, and keep updated. It's our job as consumers to be informed.



Practice

Apply the tips from this zine and other tips you pick up along the way. Over time, ethical shopping will become easier and more natural.

Understanding

Pass on your knowledge and experiences to others! We're all in this together, so we owe it to those around us to show why it's important to be an active citizen and educated consumer.



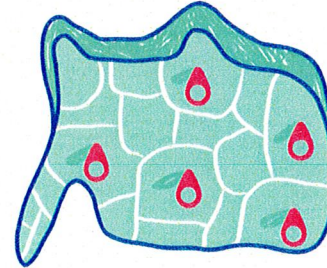
Thanks for reading!

If you enjoyed this zine, please share with a friend! I have an online version available for download on my blog: nicoleiliana.com/blog/zine1

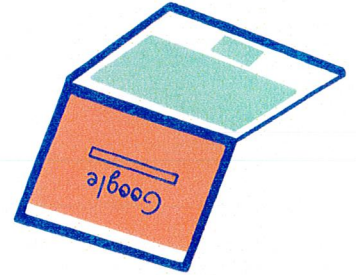
If you'd like to stay updated with my work, you can follow me on social media @wontonface or sign up for my newsletter on my website.



Can this item be repaired if it breaks or tears? Some garments like leggings or thin summer tops cannot be sewn when they tear, and they have to be thrown away. Try to avoid these and look for materials that will last you a long time.

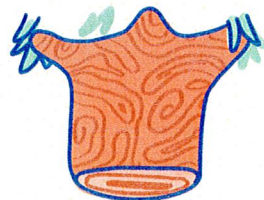
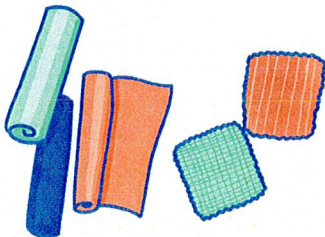


Is this item made in our country? As a rule of thumb, clothes that are manufactured in the US are held to higher labor standards, including minimum wage and proper working conditions. In other countries, the same isn't guaranteed.



Is this item made by an ethical company? You can find out by doing your research! But there's only so much we can tell from what a company presents about themselves, so the following points are more telling.

What material is this item made from? Today, more companies are turning to sustainable options like tencel, hemp, linen, or recycled fabrics like deadstock fabric. Materials to avoid whenever possible include non biodegradable materials like polyester and nylon (which are made from plastic) or even resource-intensive natural materials like cotton.



#2: Buy new items mindfully. It's hard to buy everything used, especially if you're particular about your wardrobe. For the items I absolutely need to (or really want to) buy new, I consider these points: