Zero Waste Commission

City of Berkeley
ZERO WASTE COMMISSION
Regular Meeting

Thursday, June 19, 2025 at 5:30 p.m.
City of Berkeley Corporation Yard (Ratcliff Building, Willow Room)
1326 Allston Way, Berkeley, CA, 94702

MEETING AGENDA

PRELIMINARY MATTERS:

5:30 pm 1. Call to Order by Chair and Roll Call by Secretary

- **Steven Sherman**, appointed by CM Rashi Kesarwani, District 1
- **Christienne de Tournay (Chair),** appointed by CM Shoshana O'Keefe, District 5
- **VACANT,** appointed by Mayor Adena Ishii
- **Layla Dargahi (Vice Chair)**, appointed by CM Terry Taplin, District 2
- **Dennis Uyat**, appointed by CM Ben Bartlett, District 3
- **Philip Monrad,** appointed by CM Igor Tregub, District 4
- **Sandra Curtis,** appointed by CM Brent Blackaby, District 6
- **Swasti Johri**, appointed by CM Cecilia Lunaparra, District 7
- **Barun Singh**, appointed by CM Mark Humbert, District 8

5:35 pm 2. Approve Meeting Agenda and Order of Agenda Items

5:40 pm 3. Approve Draft Action Minutes:

- May 15, 2025 Regular Meeting*

5:45 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.

5:55 pm 5. Commissioner Announcements
Commissioners may make general announcements; no action will be taken.

6:00 pm 6. Staff Updates

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.

6:15 pm 1. Informational Zero Waste Insert in City of Berkeley Residential Leases

6:45 pm 2. Video: Petaluma Reusable Cup Program Review

7:00 pm 3. Review Green Building Ordinance

7:15 4. Report outs from the Special Events Subcommittee and Green Building Subcommittee

7:25 pm 5. Discuss Future Agenda Items

7:30 pm 6. Adjournment

INFORMATION ITEMS:
Information items may be moved to discussion but no action will be taken

COMMUNICATIONS:
Communications from the public are included as links or attachments in the agenda packet.
PowerPoint from Susan Collins, Container Recycling Institute presentation at the April 2025 meeting

***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:
Julia A. Heath, Recycling Program Manager,
Zero Waste Division, 1201 Second St. Berkeley, CA 94710
510-981-6357
jheath@berkeleyca.gov

Zero Waste Commission
Regular Meeting

In-person Meeting
May 15, 2025

MINUTES

The meeting was convened at 5:35p.m. with presiding Layla Dargahi as Vice Chair.

ROLL CALL

Present: Layla Dargahi, Steven Sherman, Dennis Uyat, Philip Monrad, Barun Singh, Sandra Curtis
LOA: Chrise de Tournay, Swasti Johri
Absent:

STAFF PRESENT: Julia Heath
MEMBERS OF THE PUBLIC PRESENT:
PUBLIC COMMENTS (on non-agenda items):

ACTION MINUTES:

- **Approval of the May 15, 2025 Regular Meeting Agenda**
  Action Taken: M/S/C (Sherman/Monrad) to approve the May 15, 2025 meeting agenda.
  Ayes: Unanimous; Abstain: Barun Singh, Sandra Curtis None; Absent: Chrise de Tournay, Swasti Johri

- **Approval of the April 17, 2025 Regular Meeting Minutes**
  Action Taken: M/S/C (Uyar/Monrad) to approve the March 20, 2025 meeting minutes.
  Ayes: Unanimous; Abstain: None; Absent: Chrise de Tournay, Swasti Johri

- **Public Comment**
  0 public comment. No Action Taken.

- **Commissioner Announcements**
  Discussion only. No Action Taken.

- **Staff Updates**
  Discussion only. No Action Taken.

- **Presentation on Legislative Updates by Krystal Raynes, Californians Against Waste**
  Discussion only. No Action Taken.
  Public Comment: 0

- **Presentation by Commissioner Sandra Curtis on Plastics**
  Discussion only. No Action Taken.
  Public Comment: 0
- **Complete 2026 Work Plan**
  Action Taken: M/S/C (Sherman/Curtis) to approve the 2026 Work Plan.

Ayes: Unanimous; Abstain: None; Absent: Chrise de Tournay, Swasti Johri

- **Report out from the Special Events Subcommittee and Green Building Subcommittee**
  Discussion only. No Action Taken.
  Public Comment: 0

- **Discuss Future Agenda Items**
  Public Comment: 0
  - Discuss including an informational Zero Waste insert in all City of Berkeley issued residential leases.
  - Presentation about Copenhagen by Commissioner Sandra Curtis
  - Presentation about Vision 2025 by Margo

- **Adjournment at 7:45 p.m.**
  M/S/C (de Tournay/Uyat) to adjourn the meeting.
  Ayes: Unanimous; Abstain: None; Absent: Barun Singh, Sandra Curtis

The next regular meeting of the Zero Waste Commission will be held on Thursday, June 19, 2025 at 5:30 p.m. in person at City of Berkeley Corporation Yard (Ratcliff Building, Willow Room)
1326 Allston Way, Berkeley.

Respectfully Submitted

_____
Julia A. Heath, Secretary

A Zero Waste Vision for 2025: A California Legislative Update

Krystal Raynes
Legislative Associate

CALIFORNIANS AGAINST WASTE

CALIFORNIANS AGAINST WASTE

The mission of Californians Against Waste is to protect communities by eliminating the pollution inherent in the extraction and disposal of natural resources.

CAW believes in preventing waste at its source and holding producers responsible throughout a product's lifecycle to transition California to a thriving circular economy.

Recent Campaigns

Fighting Food Waste At The Source

AB 660 (Irwin, 2024) bans the use of consumer -facing "sell -by" dates and requires food manufacturers to use uniform terminology when labeling their products with "safety" or "quality" dates.

Stopping Greenwashing and Deceptive Environmental Claims

SB 343 (Allen, 2021) and **AB 1201 (Ting, 2021)** prohibited manufacturers from calling their products "recyclable" or "compostable" unless they are likely to actually get recycled or composted.

AB 1857 (C. Garcia, 2022) and **AB 881 (Gonzalez, 2021)** reclassified burning trash and exporting mixed plastic overseas as disposal instead of recycling, eliminating incentives for these harmful practices.

Building a Bigger, Better Bottle Bill

SB 1013 (Atkins, 2022) and **SB 353 (Dodd, 2023)** expanded California's "Bottle Bill" deposit law to include wine and juice, respectively.

AB 962 (Kamlager, 2021) added support for refillable beverage containers to the CRV program.

Preventing Plastic Pollution

SB 1046 (Eggman & Gonzalez, 2022) and **SB 1053 (Blakespear, 2024)** banned the distribution of plastic produce bags and check out bags, respectively.

Establishing A Right to Repair

SB 244 (Eggman, 2023) requires manufacturers of consumer electronics and appliances to provide replacement parts, diagnostic information, and service literature to consumers and third -party repair businesses.

Recovering Batteries and Battery - Embedded Products

SB 1215 (Newman, 2022) created an end -of -life solution for products with batteries by adding them to the state's landmark e - waste recycling program.

AB 2440 (Irwin, 2022) created a manufacturer -funded takeback and recycling program for loose batteries.

January- February

- 1-

AUTHOR INTRODUCES BILL

Can be an Assembly or Senate Bill (AB/SB)

February- May

- 2 -

BILL PASSES FIRST HOUSE

1. *Policy Committee*
2. *Appropriations Committee*
3. *Floor Vote*

May- September

- 3 -

BILL PASSES SECOND HOUSE

1. *Policy Committee*
2. *Appropriations Committee*
3. *Floor Vote*

September- October

- 4 -

BILL IS SIGNED BY GOVERNOR AND CHAPTERED

The finish line!

California Legislative Process

**there are a ton of rules, exceptions, and waivers not mentioned. See me after class if you are curious.*

CURRENT PRIORITY LEGISLATION

Scaling Up California Composting

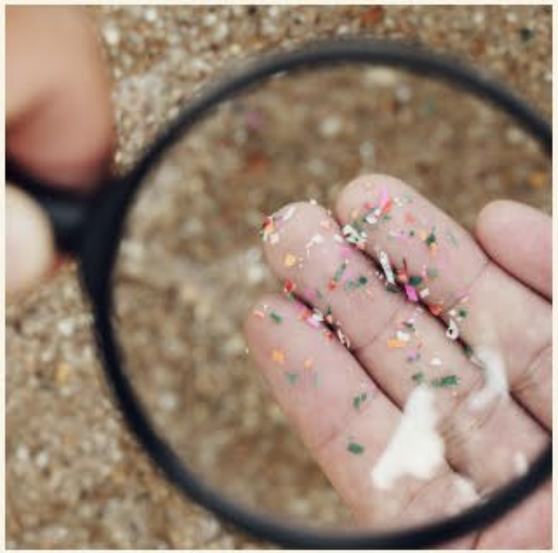
SB 279 (McNerney) expands composting capacity to cut methane emissions, reduce landfill waste, and provide farmers with sustainable alternatives to open burning. By removing regulatory barriers, it strengthens local composting, improves soil health, and boosts climate resilience.

Requiring Tethered Caps

SB 45 (Padilla & Blakespear) will require plastic beverage container manufacturers to tether caps to bottles, eliminating a leading source of litter.

Banning Disposable Vapes

AB 762 (Irwin & Wilson) will ban the sale of non-refillable or non-rechargeable vapes.



Expanding California's Ban on Plastic Microbeads

AB 823 (Boerner) expands California's existing ban on intentionally-added plastic microbeads to include cosmetics, cleaning products and coatings.

AB 762

(Irwin & Wilson)

AB 762 would **prohibit** the sale of **nonrefillable or nonrechargeable vapes.**

CALPIRG

Rethink waste
South Bayside Waste Management Authority
A Public Agency

CALIFORNIANS AGAINST WASTE

CPSC
California Product Stewardship Council SM

SB 279

(McNerney)

SB 279 would **support** small, medium, & on -farm composting by:

- Expanding **on -farm composting options**
- Reducing **community compost** permitting requirements
- Increase **food waste processing capacity**

AB 823

(Boerner)

AB 823 would **ban intentionally added microplastics** in cleaning products and personal care products.

CALIFORNIANS AGAINST WASTE

Breast Cancer Prevention Partners

5 GYRES SCIENCE TO SOLUTIONS

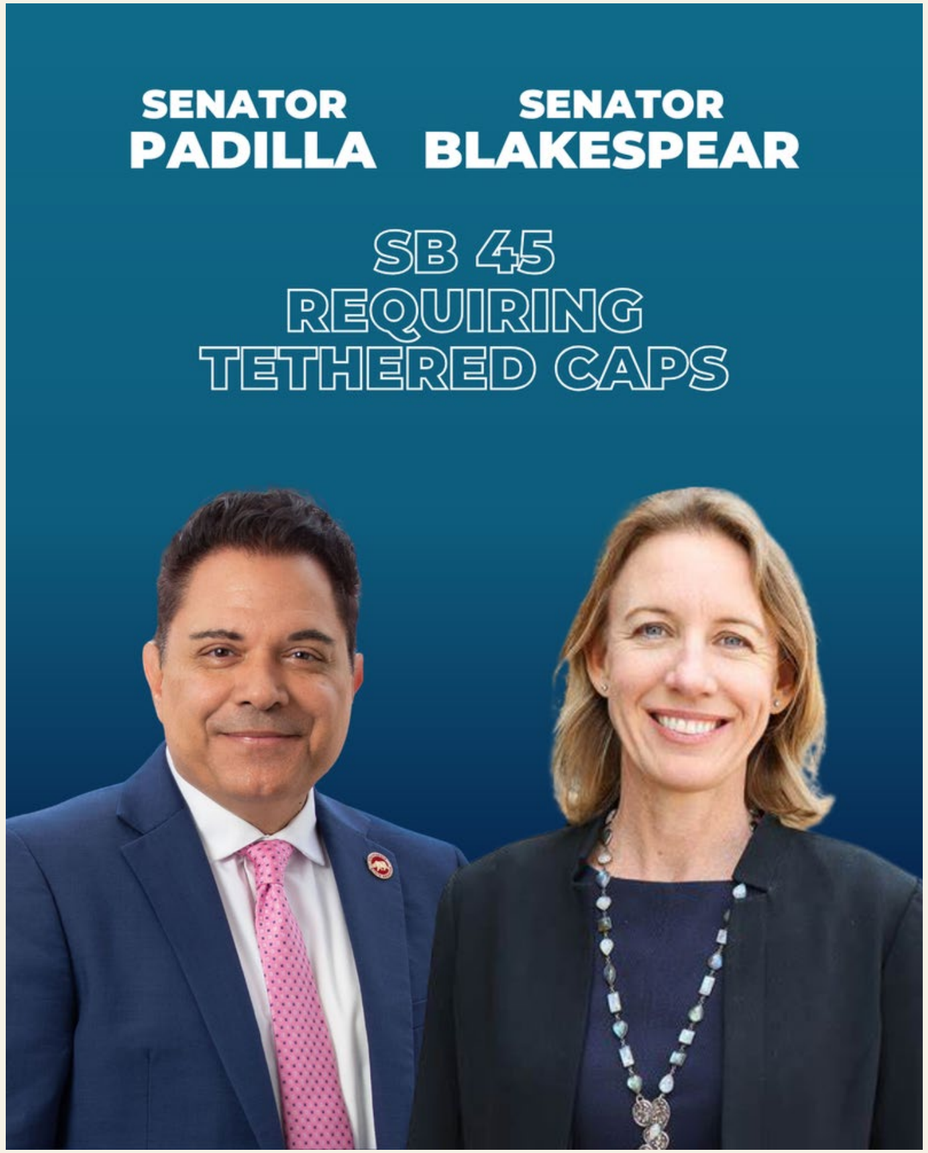
CLEAN WATER ACTION

SB 45

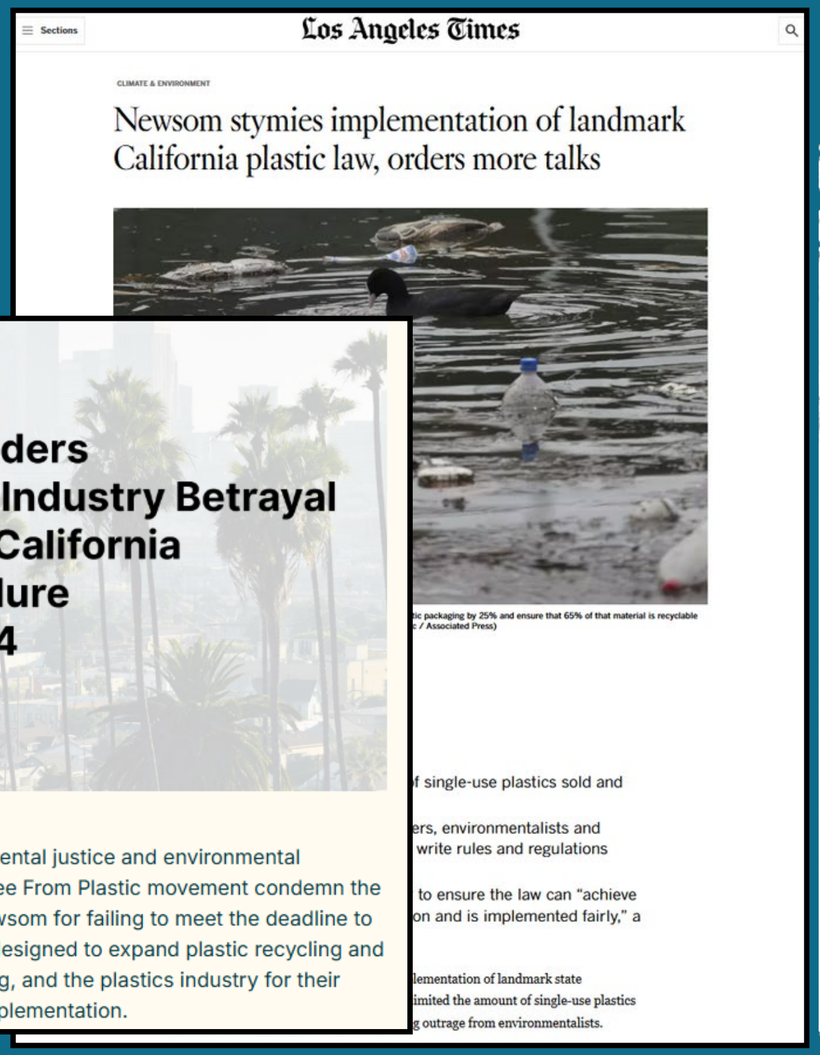
(Padilla & Blakespear)

SB 45 **will require plastic beverage bottles** under 2 liters **to use tethered caps** —caps that remain attached to their bottles throughout their lifecycle —by 2027.

CALIFORNIANS AGAINST WASTE



Implementing & Protecting SB 54, SB 343, AB 1201, & SB 1383


Sections

Los Angeles Times

CLIMATE & ENVIRONMENT

Newsom stymies implementation of landmark California plastic law, orders more talks

ic packaging by 25% and ensure that 65% of that material is recyclable
/ Associated Press)

f single-use plastics sold and

ers, environmentalists and
write rules and regulations

to ensure the law can "achieve
on and is implemented fairly," a

lementation of landmark state
imited the amount of single-use plastics
g outrage from environmentalists.


#BreakFreeFromPlastic

Environmental Leaders Condemn Plastics Industry Betrayal of Compromise in California and the State's Failure to Implement SB 54

Sacramento, California – Today, environmental justice and environmental sustainability organizations in the Break Free From Plastic movement condemn the State of California and Governor Gavin Newsom for failing to meet the deadline to implement landmark California legislation designed to expand plastic recycling and limit the use of single-use plastic packaging, and the plastics industry for their continuous efforts to derail the statute's implementation.

"I think now that the shiz is hitting the proverbial fan, everyone has very strong opinions about how to proceed and what's reasonable and what is not," said Allen, the state senator who designed and sponsored the law.

LA TIMES 2/15/25

Other bills:

AB 28 (Shiavo)	Would enact the Landfill Safety Act which would require landfill operators to continuously monitor and publicly report flare gas temperatures and impose corrective actions and penalties if temperatures exceed specified thresholds for extended periods. It also establishes a fund to mitigate harm from high landfill gas temperatures and mandates permit suspensions or revocations for persistent violations.
AB 998 (Hadwick)	Would create pathways for schools to dispose of confiscated vape pens by reclassifying them as Household Hazardous Waste rather than commercially-generated hazardous waste when in the school's property. Would also allow schools to temporarily transport vape waste to authorized collection facilities.
AB 1148 (Sharp-Collins)	Would enact the Safer Food Packing Act of 2025 which would ban bisphenols and phthalates in food packaging.
AB 1325 (M. Rodriguez)	Would end CalRecycle's Used Oil Recycling Program and instead establish a PRO + stewardship program for used oil from automobiles.
AB 473 (Wilson)	Would rescind AB 343 (truth in labeling) by allowing unrecyclable products to still be labeled as "recyclable" between 2027 and 2032.

Other bills:

SB 501 (Allen)	Would create a producer responsibility program for products classified as household hazardous waste, as well as establish a producer responsibility organization (PRO) to oversee collection of producer fees and to produce a stewardship plan that ensures the safe and convenient collection and management of covered products at no cost to consumers or local governments.
SB 561 (Blakespear)	Would establish a producer responsibility organization (PRO) to oversee the financing, collection, and disposal of unwanted or expired distress flares, shifting the financial burden of their waste management from local ratepayers to the industry manufacturing hazardous products.
SB 594 (Padilla)	Would require a local enforcement agency to hold a publicly noticed hearing and certify that any proposed landfill will not disproportionately impact an environmental justice community in order to obtain a waste discharge permit.
SB 353 (Alvarado-Gil)	Would remove the sunset of the Farm to Table Tax Credit which allows a 15% tax credit for farms that donate food products to food banks.
SB 615 (Allen)	Would require EV battery suppliers to ensure the responsible end-of-life management, repurposing, and recycling of lithium-ion vehicle traction batteries. Would also establish reporting requirements, a state fund for oversight, and penalties for non-compliance to prevent environmental and safety hazards from abandoned batteries. Would require the battery supplier to pay reasonable regulatory costs of implementation. It would also require DTSC to reevaluate the prevalence of vehicle battery abandonment on an ongoing triennial basis.

CALIFORNIANS AGAINST WASTE

Sign Onto Our 2025 Legislation Here!

Krystal Raynes

Legislative Associate

Californians Against Waste

krystal@cawrecycles.org

Photo by Antoine GIRET

Plastic in Environmental Pollution and Climate Change

Understanding the environmental and health impacts of plastic within the context of climate change and the lifecycle of the plastic

Sandra Curtis, PhD
Principal Investigator, Public Health Institute

The Graduate - 1967

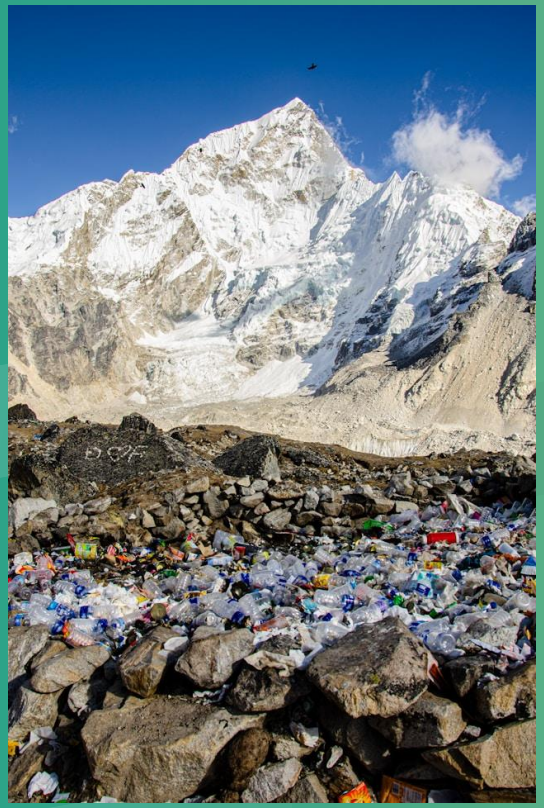
Mr. McGuire wants to enlighten the adrift graduate, played by Dustin Hoffman, about trends of the future:

"Benjamin, I want to say one word to you. Just one word … Plastics."

Expanding further to the vaguely confused young man …
"*There's a great future in plastics.*"

In a short time . . .

An Urgent Global Crisis



Gorakshep, Khumjung, Nepal

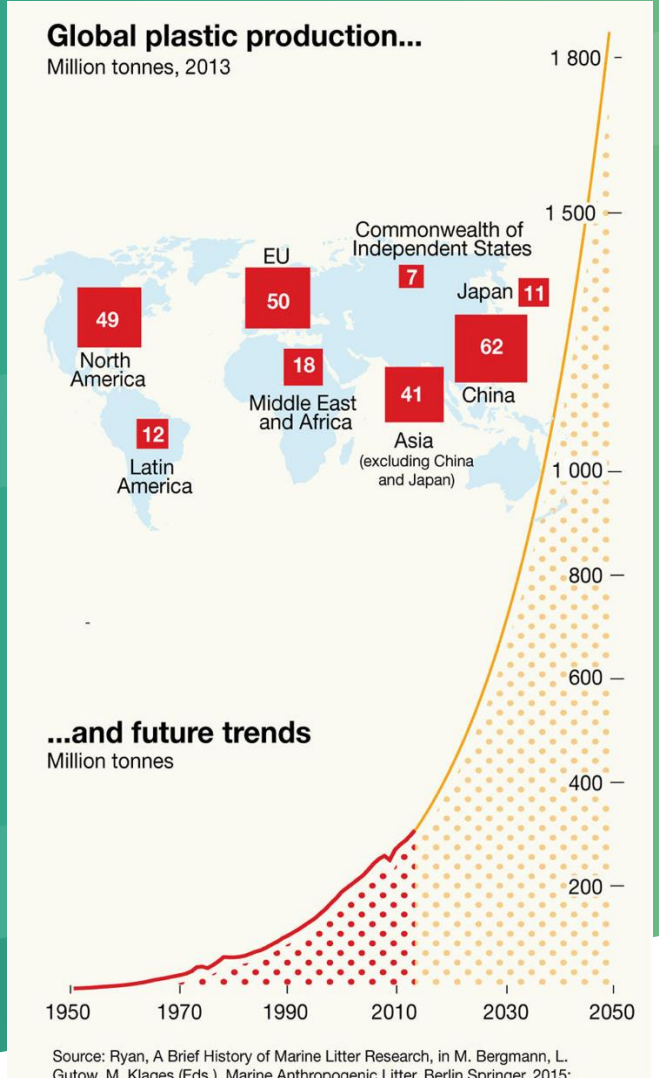
Cape Town

Nigeria

Sahara Desert

Maldives

Indonesia



What's the magnitude of the problem?

- 8 million metric tons of plastic enter the ocean annually.
- 8.3 billion metric tons of plastics have been produced in the last 70 years and is increasing exponentially.
- Plastics' largest market is single-use packaging.
- Plastic throughout its lifecycle is a serious source of greenhouse gas emissions, contributing to climate change.

Plastic waste continues to rise in 2024

11 APRIL 2024 15:18

waste plastic bottles and other types of plastic waste at the Thilafushi waste disposal site.

220 MILLION TONS of plastic generated in 2024

7.11% rise/year since 2021

Over 1/3 mismanaged at EOL equaling 68.6 million tons in nature

Global average of 28kg per person.

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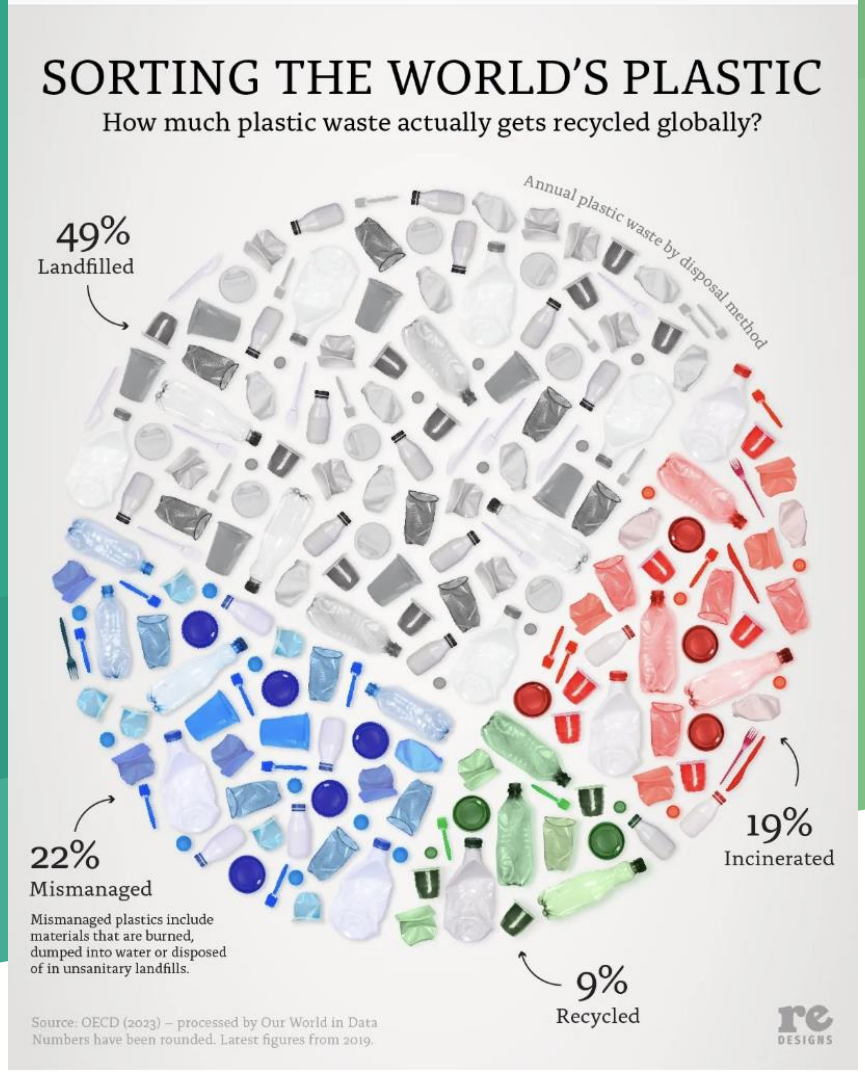

Actual Global Recycling Rate – 9%

19% Incinerated

22% Mismanaged

49% Landfilled

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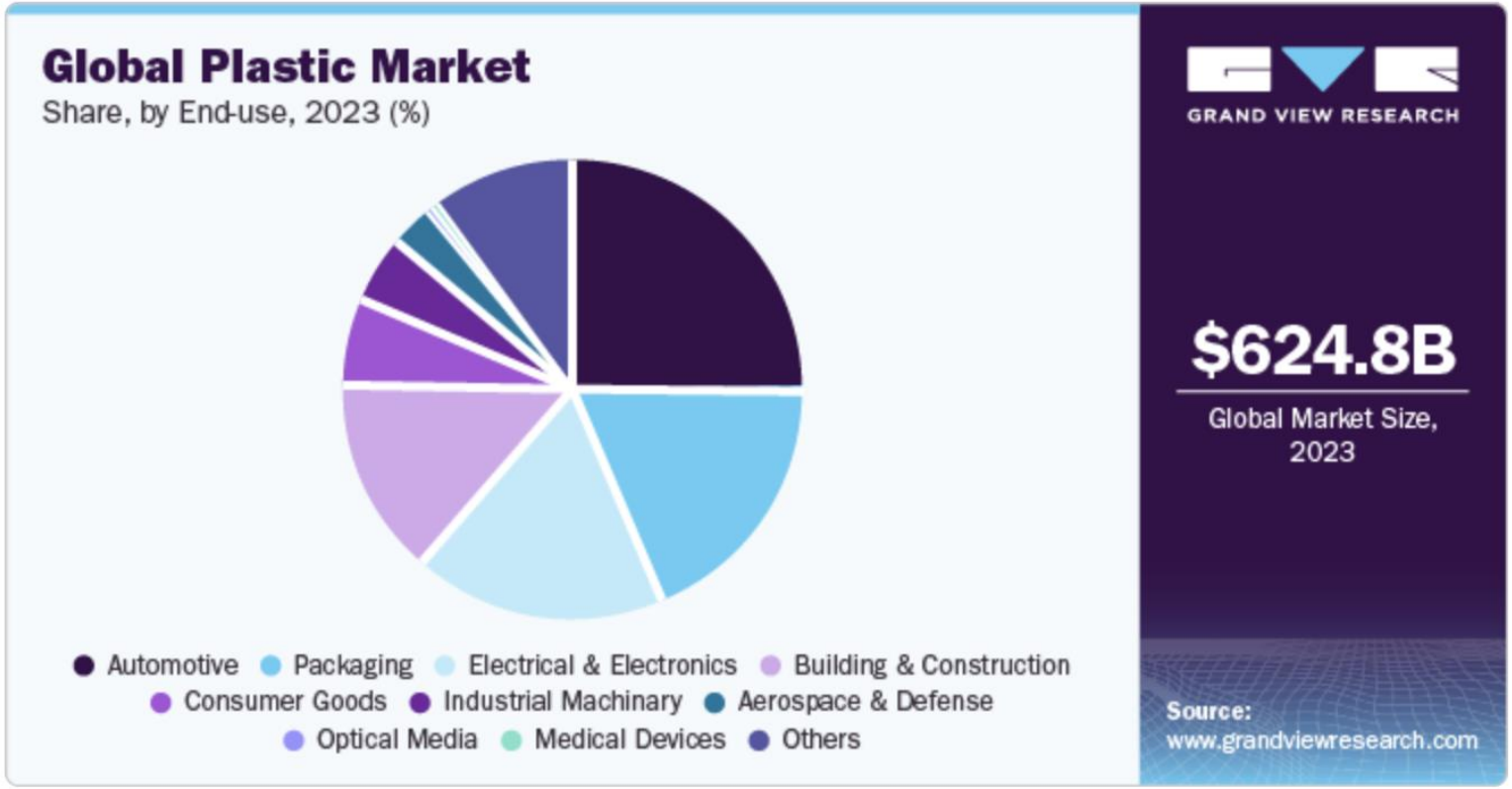
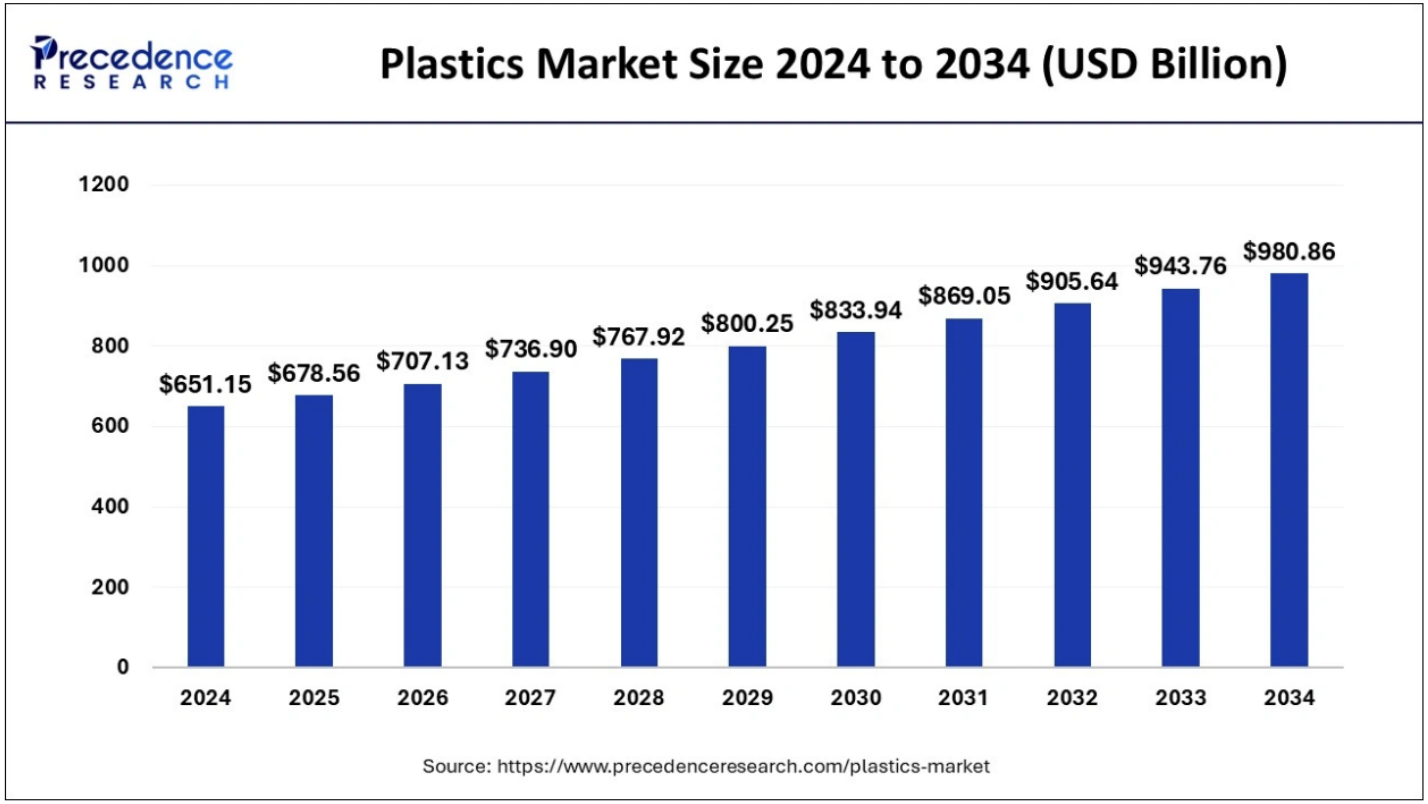
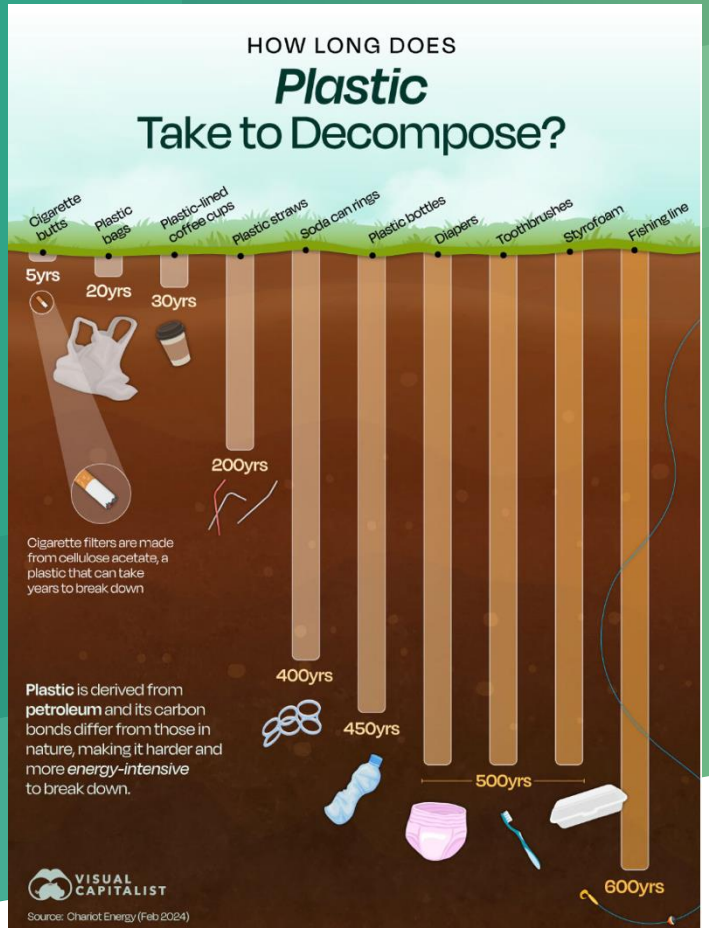
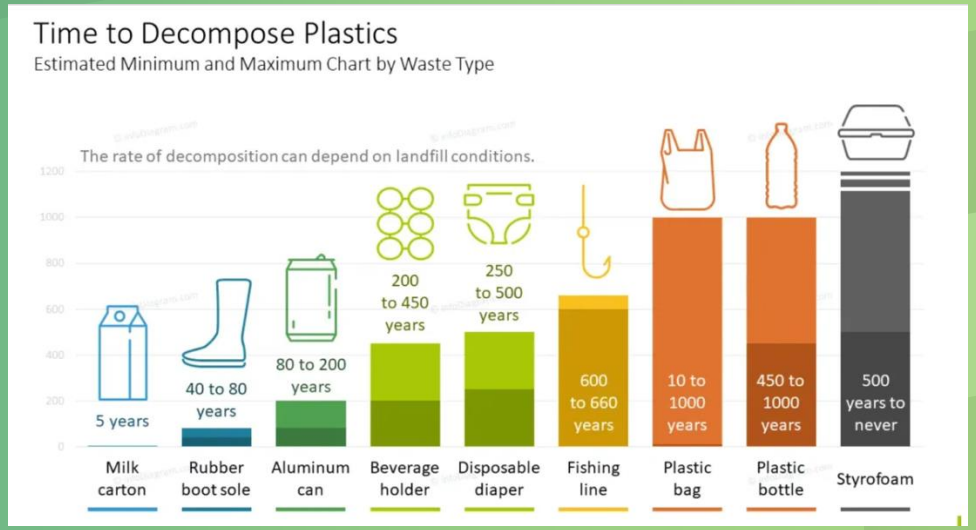


Global Plastics Market 2023



2024 -2034 market size





How long will plastic be here?

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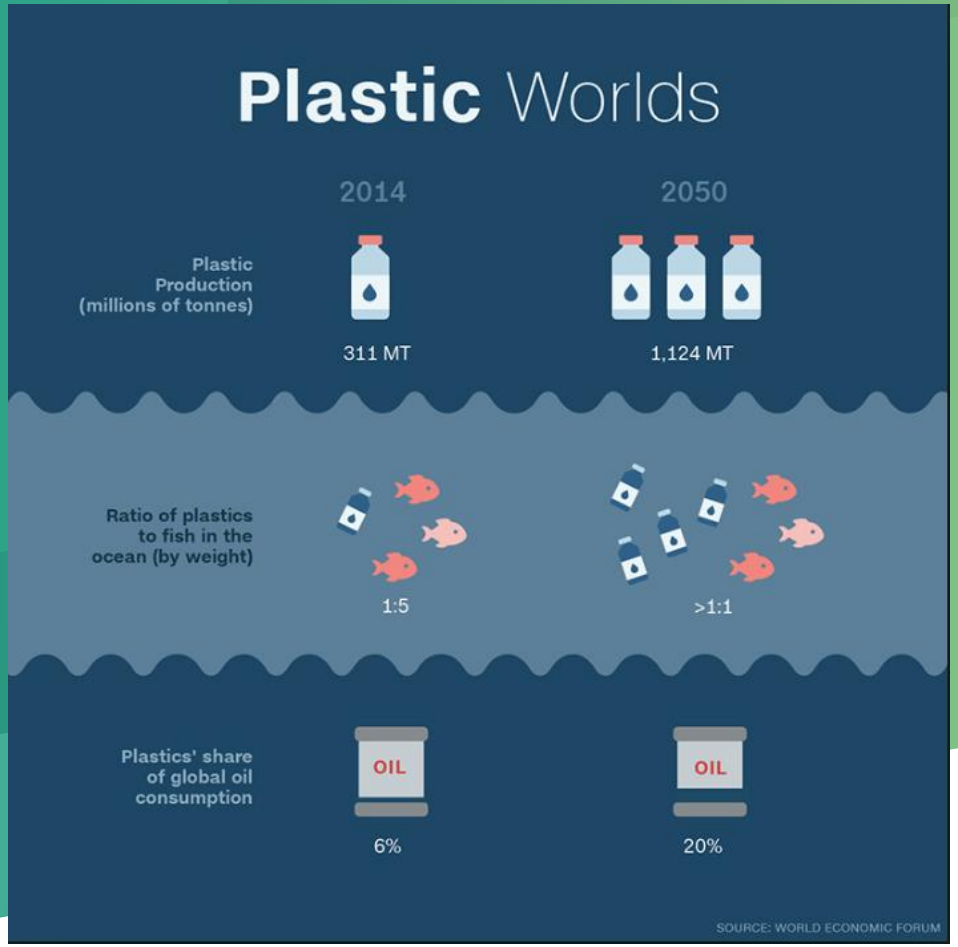

The Problem – There is NO "Away."

"BY 2050, THERE COULD BE MORE PLASTIC IN THE OCEAN BY WEIGHT THAN FISH. "

Ellen MacArthur Foundation,
New Plastics Economy

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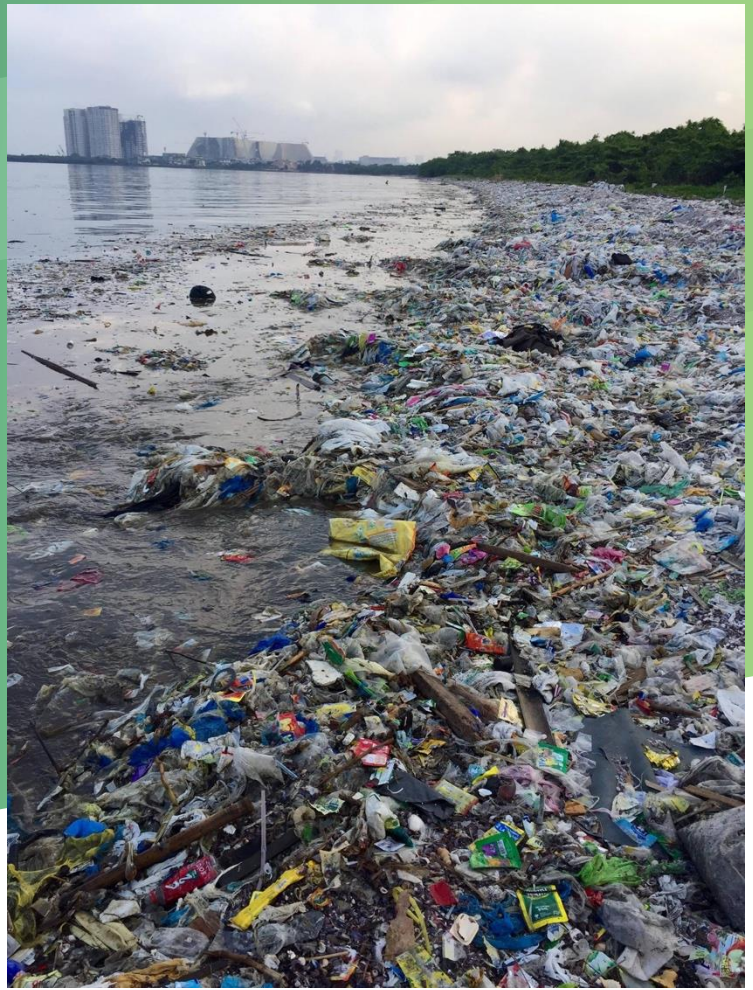
ENVIRONMENTAL HARM AND POLLUTION

- Huge volume of plastic
- Vey slow decomposition rate
- Poor recycling rates
- Cheaper to produce fresh plastic
- Accumulation of unrecycled plastic in aquatic environments
- Huge leakage into oceans, rivers and lakes



Manila Bay, Phillippines

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Existential Threat to Life on Earth

Global plastic use and waste on track to triple by 2060

- "Plastic pollution is one of the great environmental challenges of the 21st century, damaging ecosystems and human health.
- Since the 1950s, Of the over 8 billion tons of plastic produced since the 1950s, over 60 percent was tossed into landfills, burned or dumped directly into rivers and oceans.
- Project the use of plastics nearly triple in 4 decades

Severe world blight

This chart illustrates the growth of plastic use throughout the years

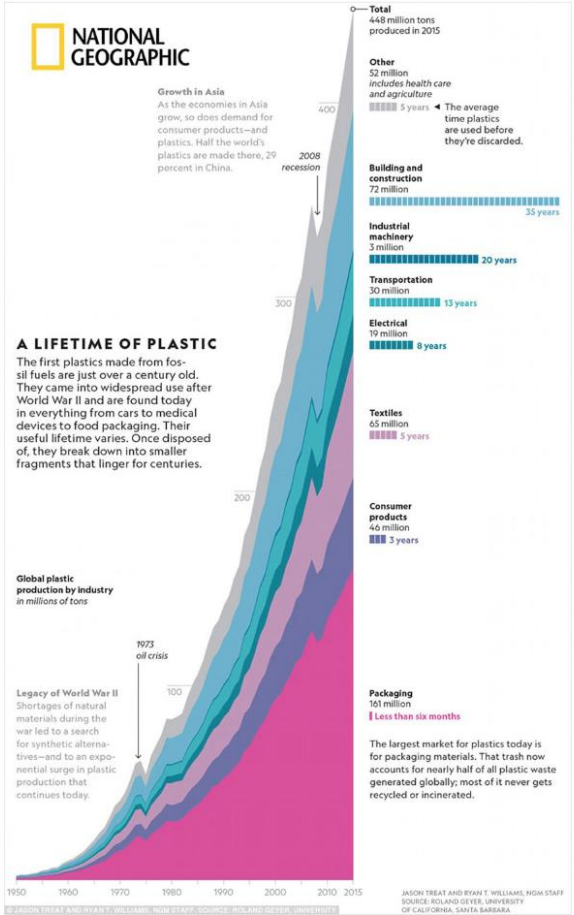

Image credits: JASON TREAT AND RYAN WILLIAMS

2015 tons by sector, time of use before discard

Production by sector in 2015:

- **Total tons** - 450 million
  Discard > than 5 years
- **Consumer products** – 46 million tons
  Discard >3 years
- **Packaging** – Half of all plastic made 161 million tons
  Discard > 6 mos.

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80% of Plastic Waste goes from Land to Sea

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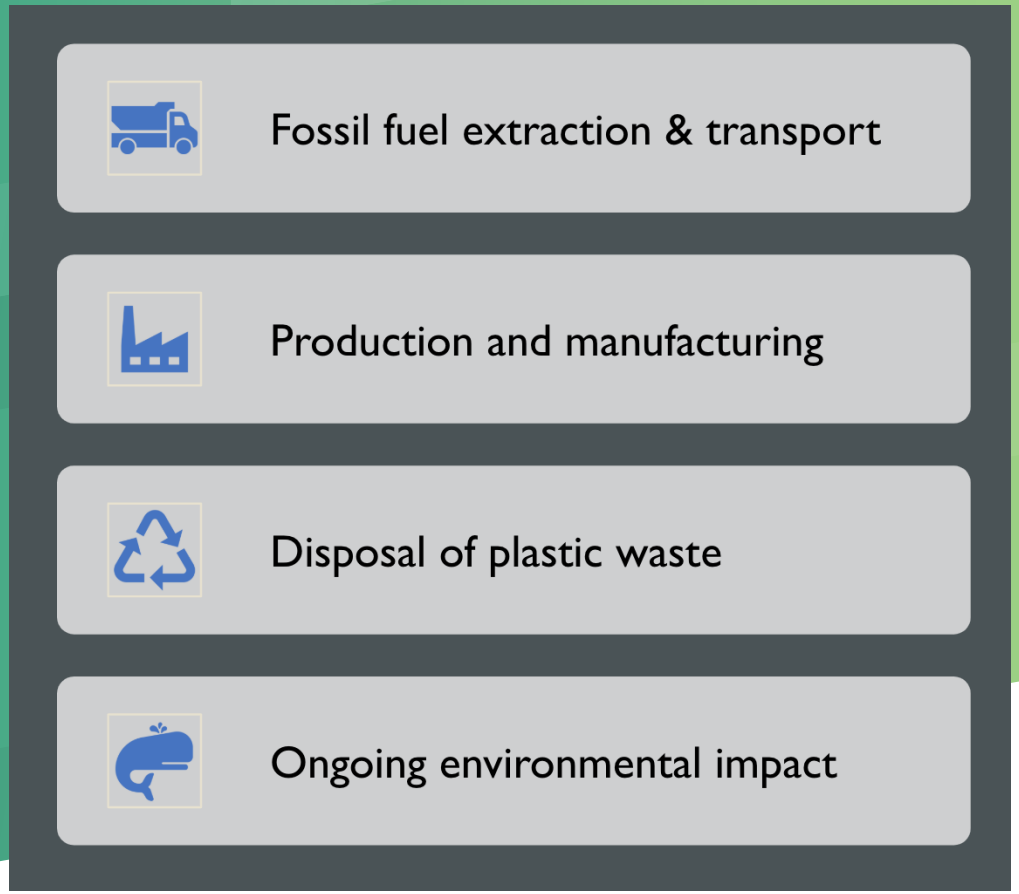
The Complete Lifecycle of Plastic



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Major CO2 Equivalents attributed to Plastic Production

In 2015 in the U. S., emissions from Fossil Fuel Extraction and Production attributed to Plastic Production were at least 9.5-10.5 Million Metric Tons of CO2e (Carbon Dioxide equivalents).

GHGs from Plastics

Even tiny pieces of plastic emit GHGs

PETROCHEMICAL AND PLASTIC INDUSTRIES ARE PLANNING A MASSIVE EXPANSION IN PRODUCTION; THE PROBLEM IS ON TRACK TO GET MUCH WORSE.

Terri Baumgartener

Running out of time

Two critical reports released in Feb. 2019 from the Center for International Environmental Law - CIEL

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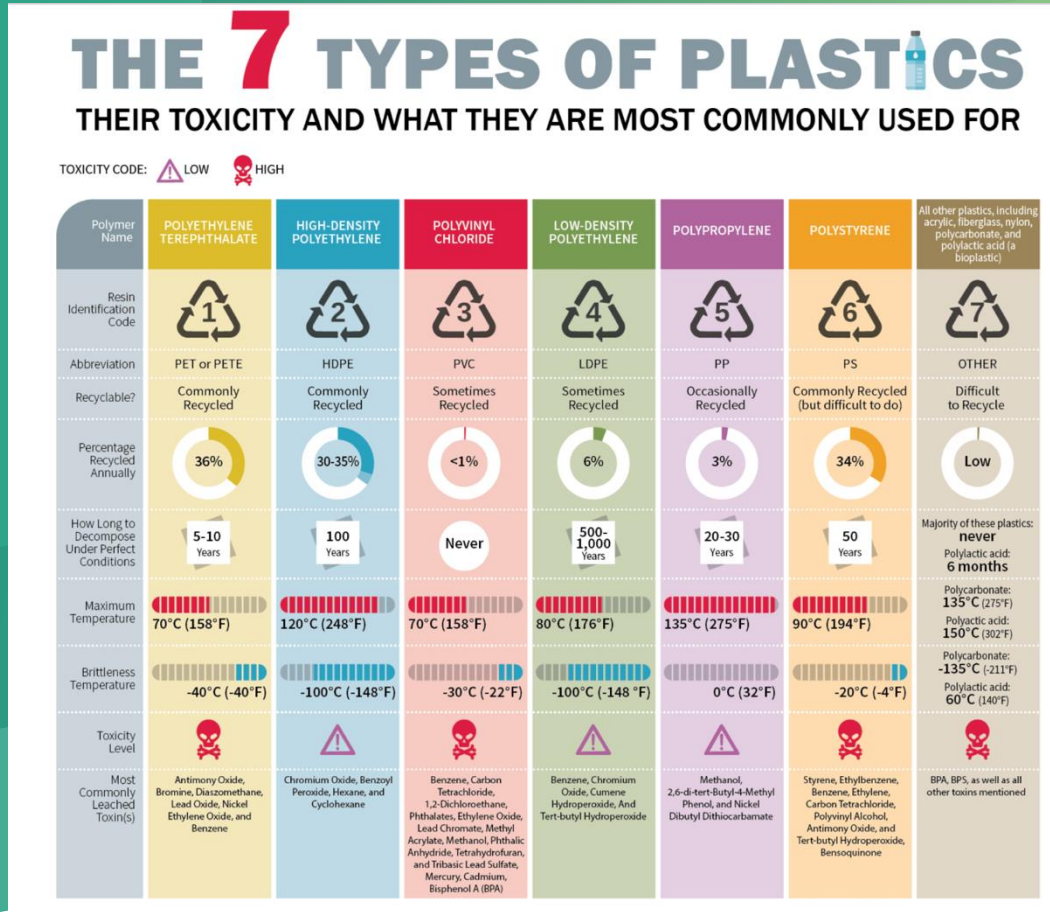

Types of Plastic – Number, Uses, Toxicity

Beware - #1,3 6,7

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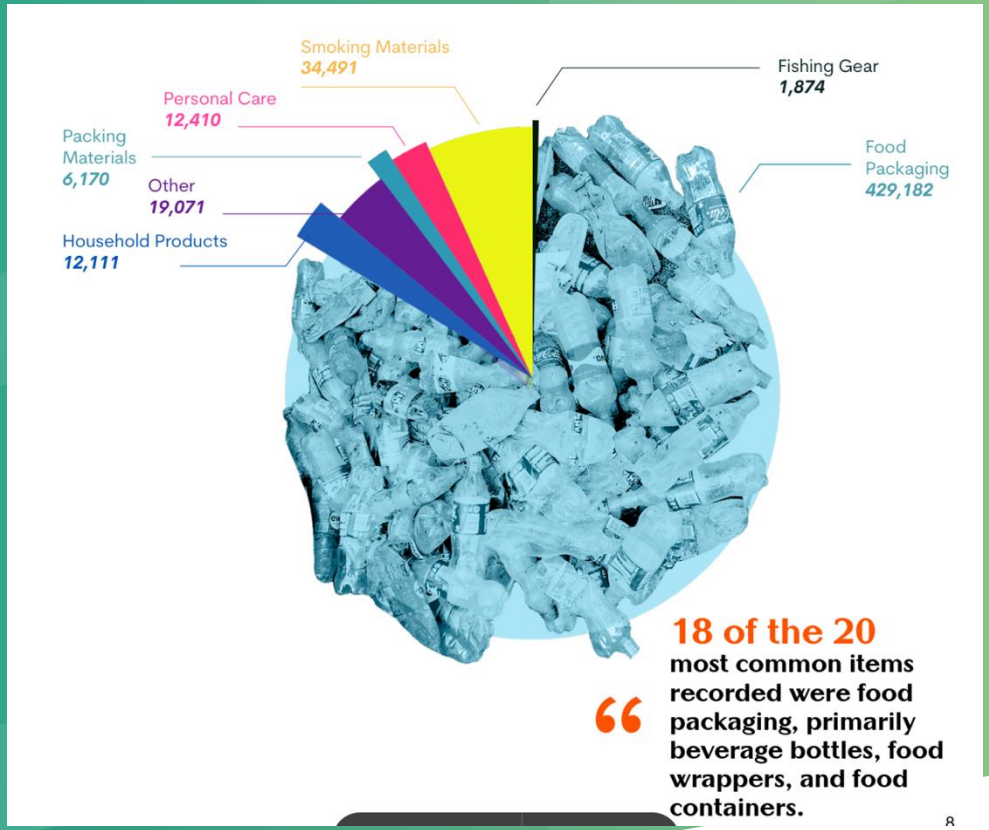
Annual Break Free From Plastic Brand Audit 2024

Biggest Culprits



Food packaging made up 90% of trash collected in 2024 BFFP Annual Brand Audit

Break Free From Plastic - BFFP Brand Audit 2024

If the entire plastic lifecycle were a country, it would be the fifth largest emitter of greenhouse gases in the world.

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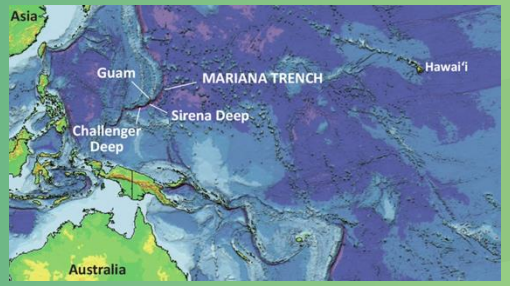
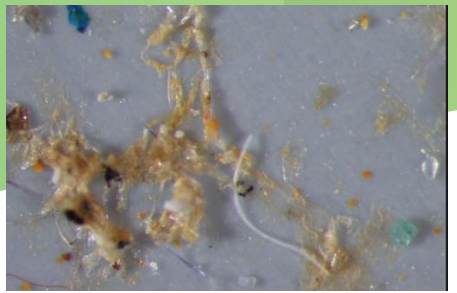
Global Impacts in Water



Marianna Trench

Arctic Ice



From the Arctic to the deepest part of the ocean and the water we drink

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Global Impacts on Wildlife

Entanglement, Ingestion, Entrapment,
Habitat Damage, Chemical Exposure

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Global Impacts in the Air

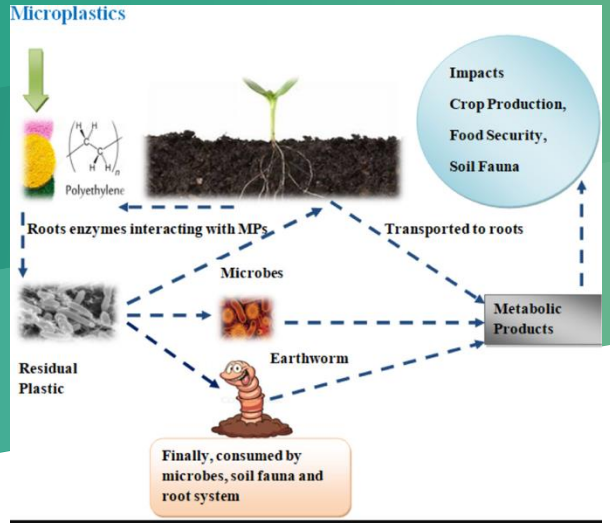
Incineration causes air pollution with Dioxin emissions,


Burning plastic waste at a dumpsite in Mojokerto, Indonesia. Photo: Fully Handoko/EPA

Burning Plastic - Toxins from Incineration cause pollution and health risks in soil and air

PUBLIC HEALTH INSTITUTE®

Microplastics can also enter agricultural soils through the degradation of plastic materials used by farmers, such as black plastic mulch. (Credit: Charles Dawley/flickr)



Global Impacts on Soil

- From processed sewage sludge used for fertilizer (solids filtered out of waste water - from laundry, personal care products , urban runoff)
- In waste water used for irrigation Discarded protective seed coatings
- Plastic mulch - Sheets of plastic suppress weeds, warm the soil, and retain moisture.

Other concerns:

- Reduced earthworms - they eat microplastics which abrade their
- digestive tracts making it more difficult to absorb nutrients.
- Reduced effectiveness aerating soil.
- Accumulate in plants through root systems, stems and leaves
- Proliferate through trophic levels, i.e. bird eats an earthworm.or when a person eats an apple.
  Become a vector for environmental pollutants
- Ash from incineration

Microplastics

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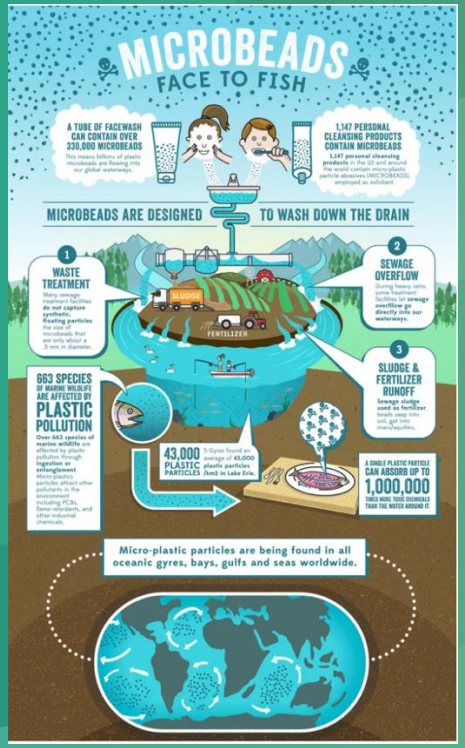
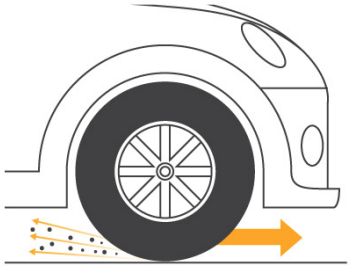
Global Impacts from Breaking Down



Microbeads in personal care products - Banned



Did You Know?

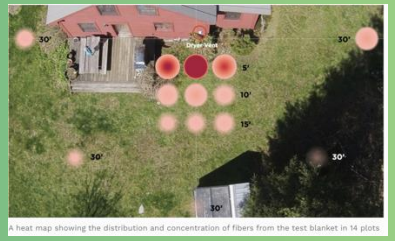
As much as 28 percent of microplastics in the ocean comes from tires shedding synthetic rubber as they wear down.

Tire breakdown

Use of plastic in roads

Plastic pellets stick to the wall of a storm drain outside Chevron Phillips' plant outfall in Sweeny.
Graham Smith

Nurdle spills



A heat map showing the distribution and concentration of fibers from the test blanket in 14 plots

Microfibers from clothes in dryers

Plastic materials end up in our waterways

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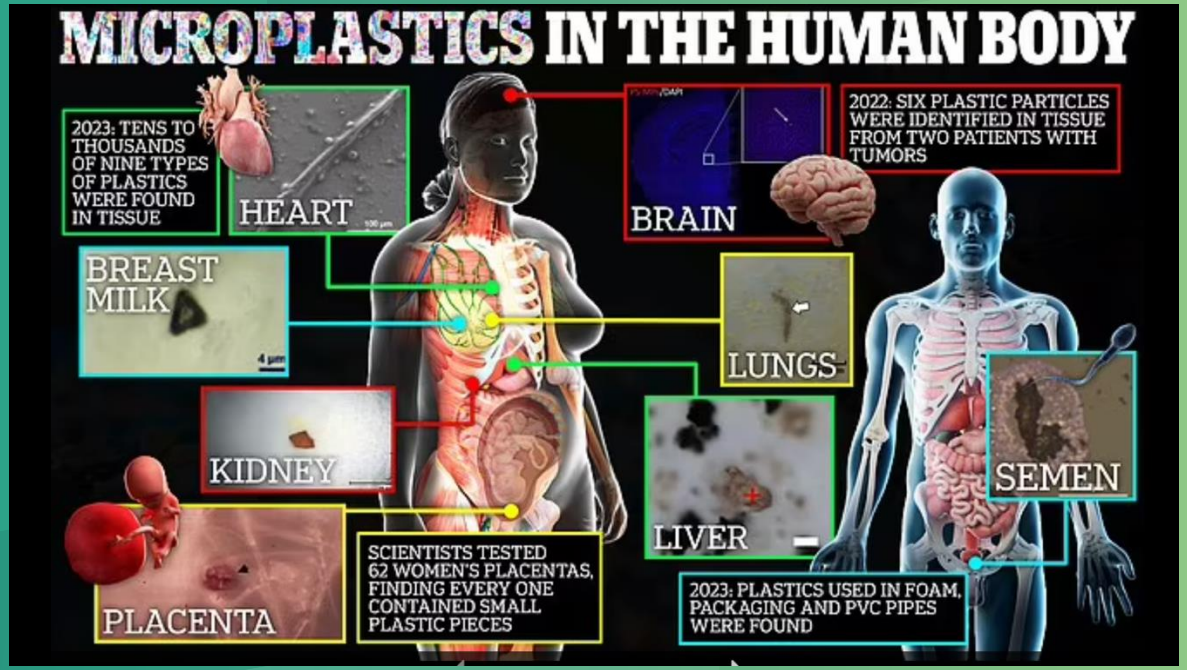

From . . .

How much?

A credit card a week = about 5 grams

Microplastics in our Diet

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- Chemicals in plastics are known to mimic estrogen activity and linked to cancer, infertility, obesity, diabetes, and many other diseases
- Bisphenols, phthalates, and PVC act as endocrine disruptors
- Microplastics, microfibers and microbeads are tiny but huge problems
- American Academy of Pediatrics Policy and American College of Obstetricians and Gynecologists statement

Human Health Impacts

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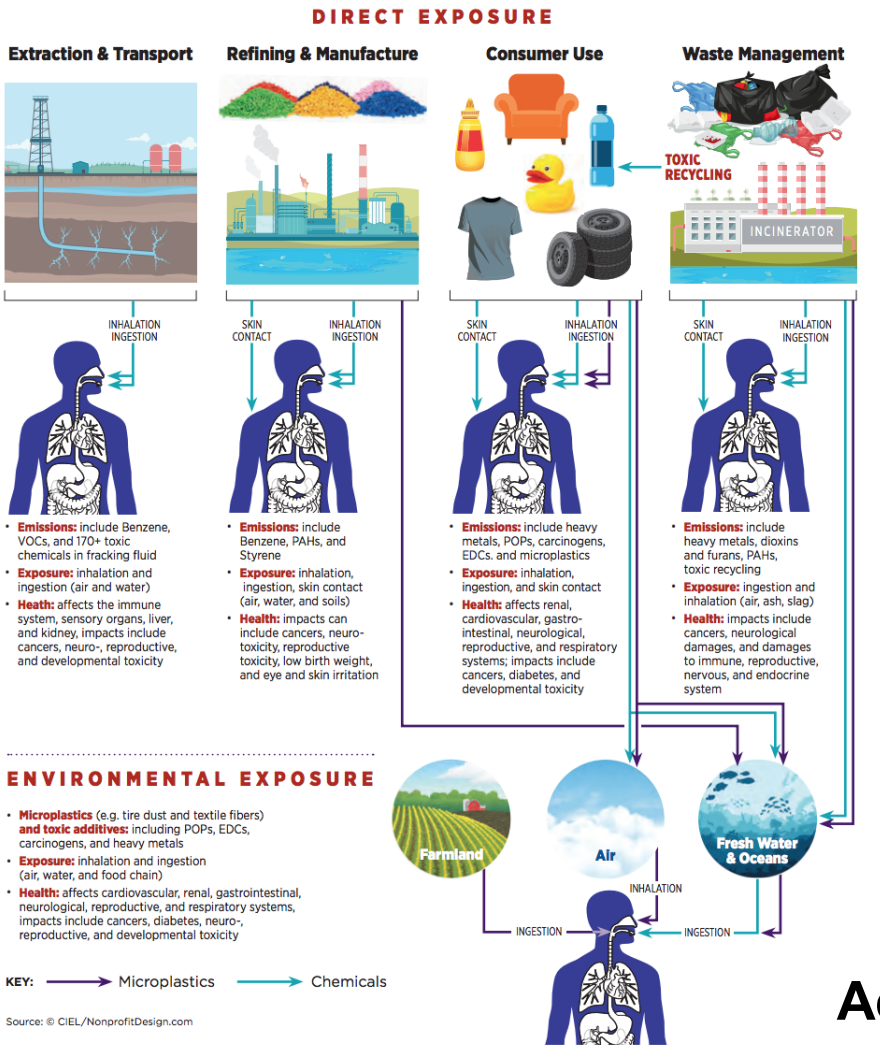

Summary of Health Concerns:

- **Extraction & Transport** – inhalation and ingestion from exposure to benzene, VOCs and 170+ toxic chemicals in fracking fluid – Affects – immune system, cancers, neural, reproductive and developmental toxicity.
- **Refining & Manufacture** – Benzene, PHAs and Styrene – cancers, neuro and reproductive toxicity, low birth weight, eye and skin irritation
- **Consumer Use** – heavy metals, POPs, carcinogens, EDCs and microplastics – affects renal, Cardiovascular, gastrointestinal, neurological, reproductive and respiratory systems resulting in cancers, diabetes, and developmental toxicity
- **Waste Management** – heavy metals, dioxins and furans, PAHs, toxic recycling – Results include cancers, damage to neurological immune, reproductive, nervous and endocrine systems
- **Environmental Exposure** from air, water and food chain – microplastics POPs, EDCs, heavy metals, carcinogens – Affect Cardiovascular, renal, GI, neurological, reproductive and respiratory systems – leading to cancer, diabetes, neurological, reproductive and developmental toxicity

Across the Plastic Lifecycle

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Exposure to harmful chemicals used in plastic

Aug. 2018 **ACOG** - . . .” most pregnant women “are told little or nothing about reducing their exposure to chemicals despite evidence suggesting that ingredients in plastics, vehicle exhaust and cosmetics additives can have profound impacts on” the health of infants.

July 2018 **AAP** - Current requirements for a “generally recognized as safe” (GRAS) designation are insufficient to ensure the safety of food additives and do not contain sufficient protections against conflict of interest.. . .”

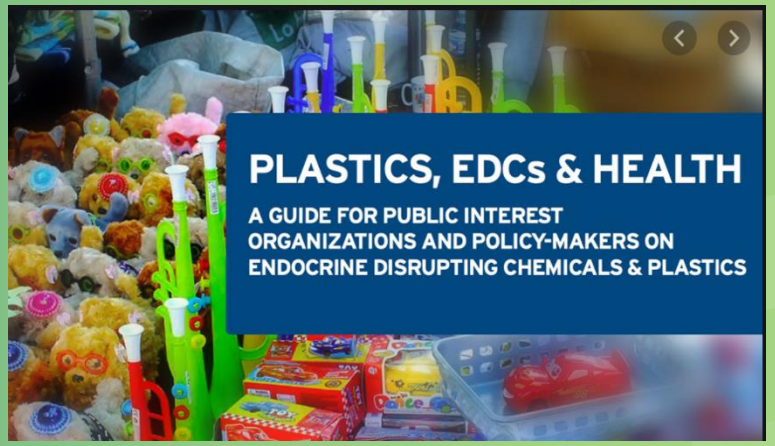
Dec. 2020 - **IPEN and Endocrine Society** - Plastics contain and leach hazardous chemicals, including endocrine-disrupting chemicals (EDCs) that threaten human health.

Health Expert Warnings

Known Health Challenges from EDCs

Co-morbidity with Covid-19 and Correlation with NCDs:

- Cardiovascular disease
- Diabetes – Type II
- Obesity
- Chronic respiratory disease
- Hypertension



IPEN and Endocrine Society Report – Dec. 2020
"Many of the plastics we use every day at home and work are exposing us to a harmful cocktail of endocrine-disrupting chemicals."

Proliferation of Plastic during Covid - NIH Study – Corona Virus Lives on Plastic for up to 3 days – industry exploitation – Plastic promoted as clean

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The Climate Crisis

CIEL – “Nothing short of stopping the expansion of petrochemical and plastic production and keeping fossil fuels in the ground will create the surest and most effective reductions in the climate impacts from the plastic life cycle.”

Predictions from producing and incinerating plastic:

2019 - 850 million metric tons of plastic-related greenhouse gas (GHCs)
= 189 coal plant emissions.

2030 - 1.34 gigatons per year plastic-related GHG emissions
= 295 coal plants emissions.

2050 - 2.8 gigatons GHG emissions per year
= 615 coal plant emissions.

ReUse – Expansive efforts

National ReUse Network – sponsored by ***UPSTREAM***

Ditching Disposables: Healthier Foodware in K-12 Schools and **Dish Washing and Dish Machines in K-12 Schools** – developed by the ***CENTER FOR ENVIRONMENTAL HEALTH***

Choose to ReUse - A Manual for Meals On Wheels Programs - developed by *BEYOND PLASTICS* through their **Activist Network** – local groups acting globally

Reusable Food Service Guide – **RETHINK DISPOSABLE**

Other Major Actions to Reduce Plastic

Legislative – U. S.

- Federal:

Break Free From Plastic Act – introduced to House and Senate – March 2021; 2023. Lowenthal and Merkley, Merkley and Huff

U. S. - Microbead-Free Waters Act 2015 –

- **State** – Styroforan, Bag bans but also **Bans on Bans (ALEC**)
- **Local** – Cities and school districts – regulations/ordinances for Plastic Bags, Nurdles, Microbeads, Microfibers, Styrofoam, plastic utensils, coffee cups and lids, stirrers, straws, food packaging

International:

Microbeads
Plastic bags
Micro-Fibers
Straws
EPR
Textiles

UN Global Plastics Treaty – next meeting Aug. 2025

Partial List

Businesses getting on board with no plastic

Eco Hotels through Orbitz –
no single-use plastic –
Evian
Norweigian Cruise lines
MicDonalds
American Airlines
Guinness
Sodexo
Red Lobster
United Airlines
Carlsberg
Walt Disney Company

Nestle
Starbuck
Hyatt
Sea World
Method Cleaning Products
Clifbar
Kroger Super Markets
Marriott International
Delta Airlines
Whole Foods
IKEA
Ethique Beauty

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Organizations working on Plastic Pollution

Partial list

Questions?

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