



Napa's Local Compost:

An overview of Napa's programs
and the importance of diverting
materials from landfills

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Napa Recycling
& WASTE SERVICES



www.naparecycling.com

A Bit About Us

Napa Recycling
& WASTE SERVICES



www.naparecycling.com

- Napa Recycling & Waste Services is the hauler for City of Napa and southern Napa County
- 40,000 households and 1,500 businesses & schools
- City owned facility – NRWS operates; 170,000 tons/year (100,000 tons organics) processed at this regional facility
- \$20 million in recent upgrades – including new CASP system, organics pre-processing, stormwater management system, and MRF updates
- Also operate organics facilities in Yolo County (CASP on the way there too)



2021 California Compost Facility of the Year!

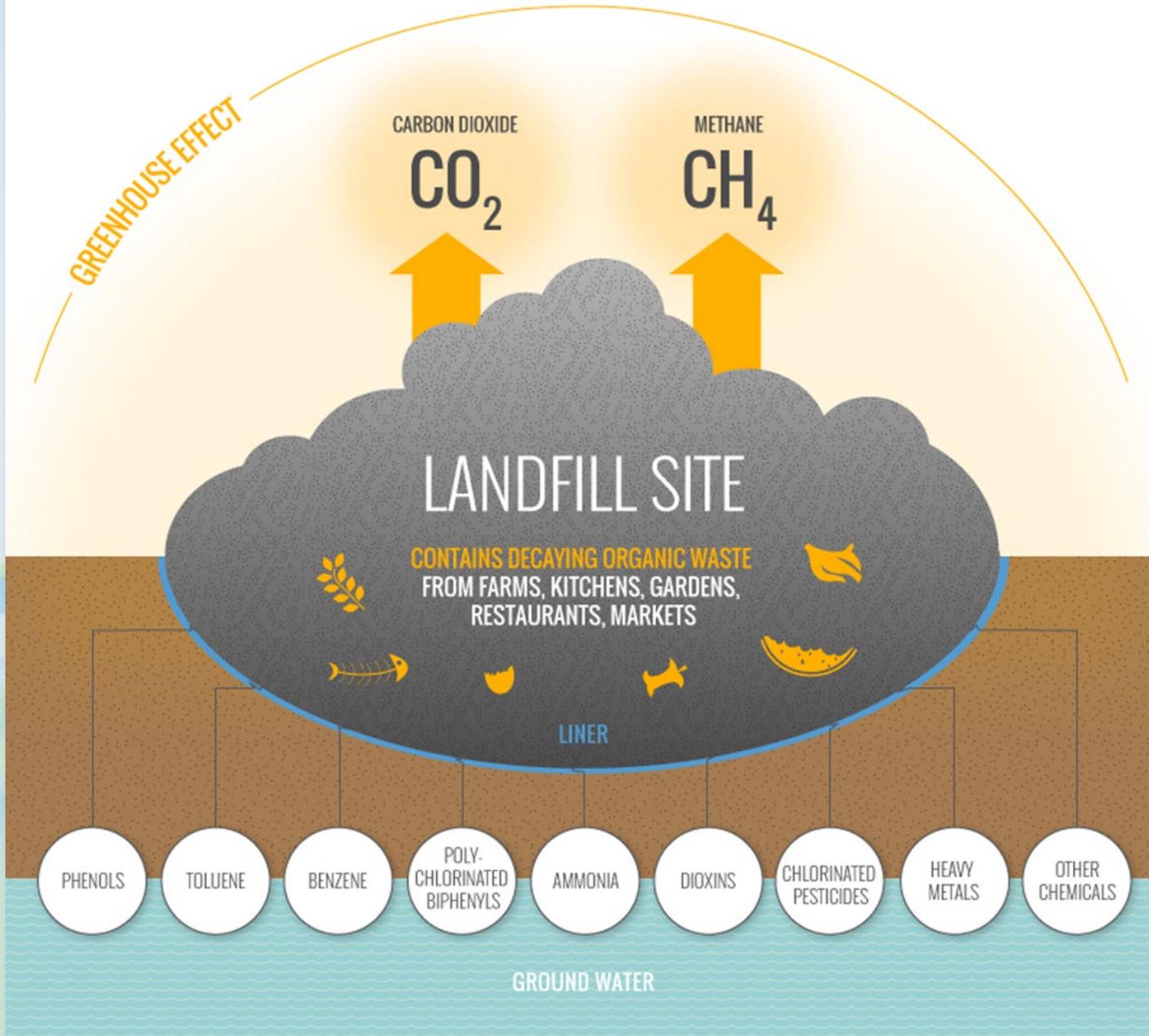


A quick and fun look at Napa's composting process



Landfill vs Compost?

SB 1383 – Mandatory organics diversion to reduce short-lived climate pollution



GREENHOUSE EFFECT

CARBON DIOXIDE
 CO_2

METHANE
 CH_4

LANDFILL SITE

CONTAINS DECAYING ORGANIC WASTE
FROM FARMS, KITCHENS, GARDENS,
RESTAURANTS, MARKETS

LINER

GROUND WATER

PHENOLS

TOLUENE

BENZENE

POLY-
CHLORINATED
BIPHENYLS

AMMONIA

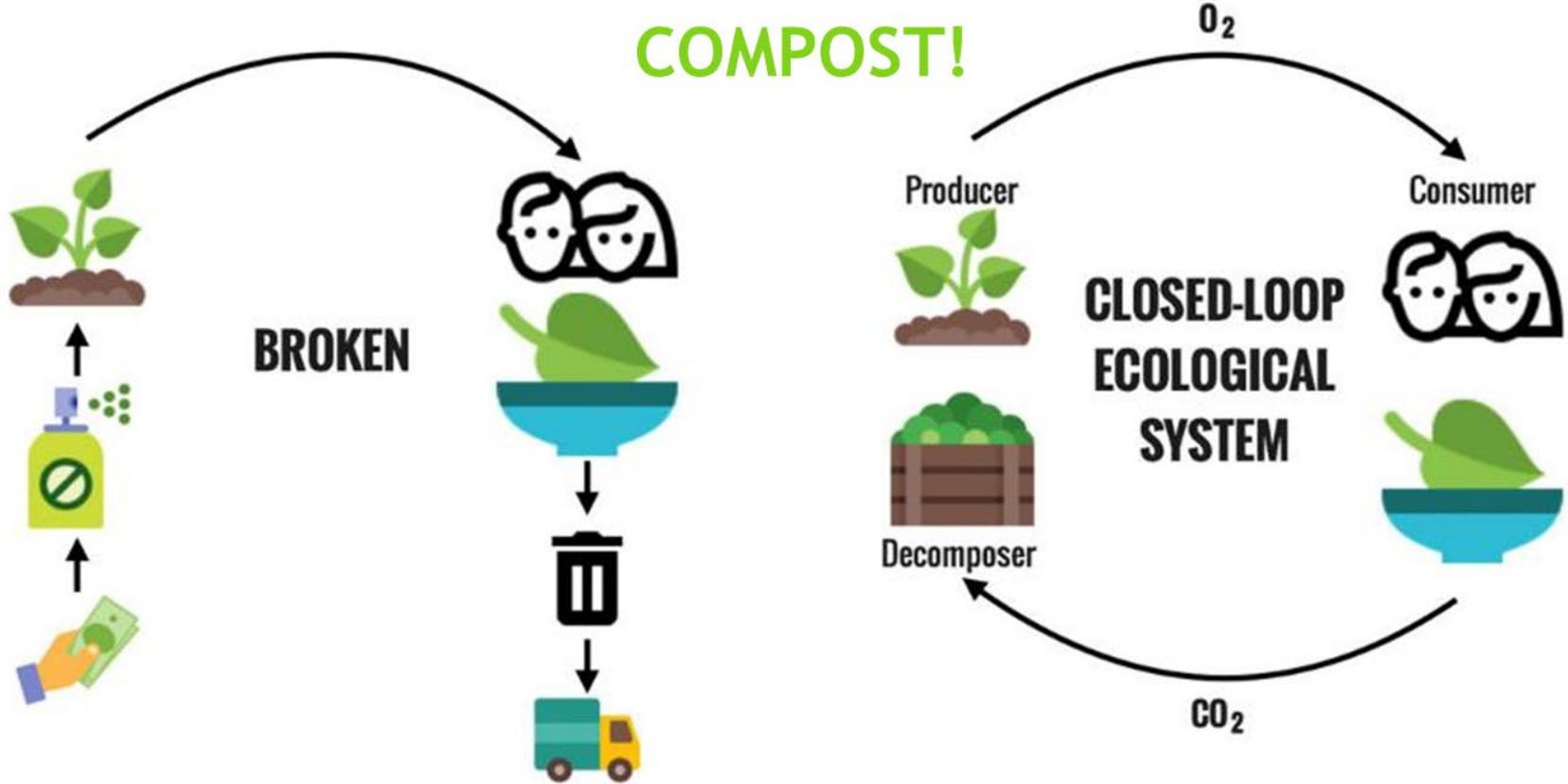
DIOXINS

CHLORINATED
PESTICIDES

HEAVY
METALS

OTHER
CHEMICALS

COMPOST!



BROKEN

**CLOSED-LOOP
ECOLOGICAL
SYSTEM**

To Landfills and Incinerators

Napa Curbside Program (fully rolled out by 2015)



Cart in mold graphics

 **COMPOST • COMPOSTA** 



NO PLASTIC BAGS • NO RECYCLABLES
NO BOLSAS DE PLÁSTICO • NO RECICLABLES

Napa Recycling & Waste Services • 707-255-5200 • www.naparecycling.com



**Commercial
Collection** (first
started 2006)

The Good:

Clean food scraps & soiled paper, certified compostable bags ok (proper usage can help divert more organics)

The Ugly:

Plastic bags and other film plastics are typically the biggest issue, but we also get concrete, metal, and even a kitchen sink



Grape Pomace & Lees – typically the largest volume “waste” material from wineries, we compost 5000-8000 tons/year



Organics Receiving Building with the De-Packager

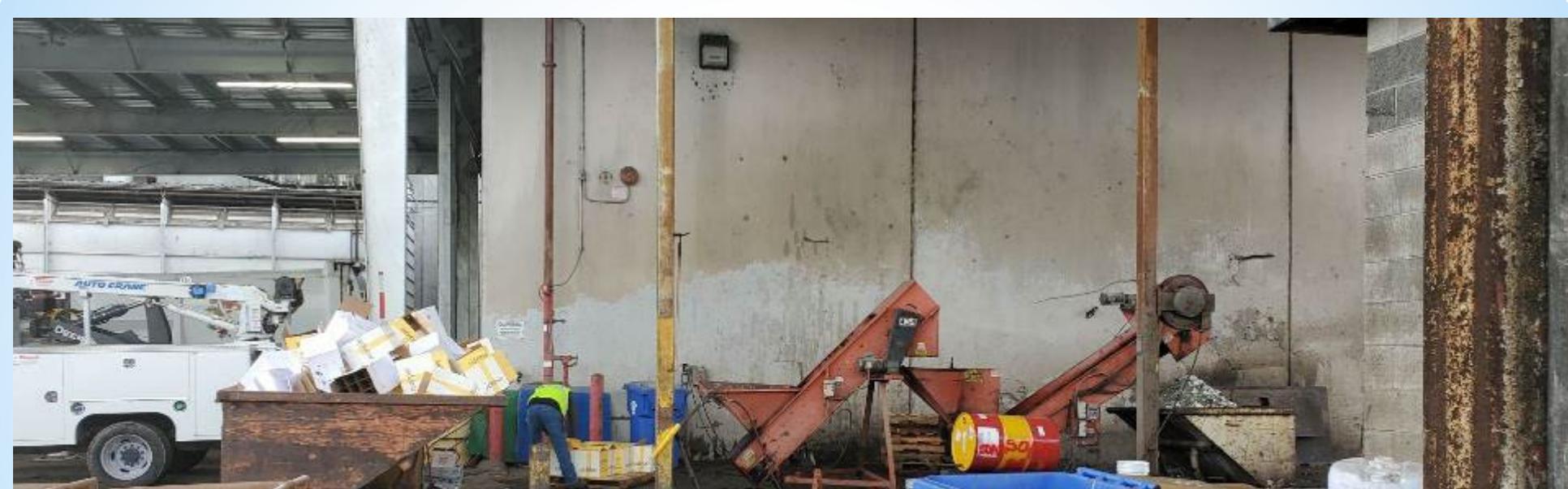


PSPS material



Commercial loads in the back, de-packaged organics in the front





Glass is bad in the de-packager – but we have a separate process for wine and other beverage destruction

New stormwater treatment system allows for 100% recycling of all stormwater and facility runoff...and the wine too (zero discharge)



New state-of-the-art CASP composting system (operational Jan 2020)



Engineered Compost Systems (ECS) designed system with positive aeration, automatic irrigation, advanced temperature control and a biofilter layer





After the composting period (+22 days in CASP, +40 days curing), material is **screened**

Un-composted material, including plastic film, makes up the “**overs**” – can be reprocessed, used as a biofilter or go to disposal

3/8” minus “**fines**” are the finished compost for sale





COMPOST:

- Enrich your soil naturally
- Fight climate change
- Prevent erosion
- Conserve water
- Close the loop
- Save money

AVAILABLE FOR PURCHASE

at the Napa Recycling & Composting Facility
820 Levitin Way, American Canyon

Organic Compost
Only \$12/cubic yard! (+ tax)

We deliver within our service area.

Additional fees apply—

contact sales@naparecycling.com for a quote.



Napa's local compost is perfect for vineyards, farms, gardens, yards and landscaping projects.



NAPA RECYCLING & WASTE SERVICES
707-255-5200

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- Organic compost is available for purchase...and we deliver within our service area
- SB 1383 Procurement Requirements – Napa County is covering cost of compost (delivery charges still apply)



Super awesome compost on a local school's organic farm!



Carbon farming – compost doing double duty in the climate change fight



The New York Times Magazine

Share 304

Can Dirt Save the Earth?

Agriculture could pull carbon out of the air and into the soil — but it would mean a whole new way of thinking about how to tend the land.

By MOISES VELASQUEZ-MANOFF APRIL 18, 2018

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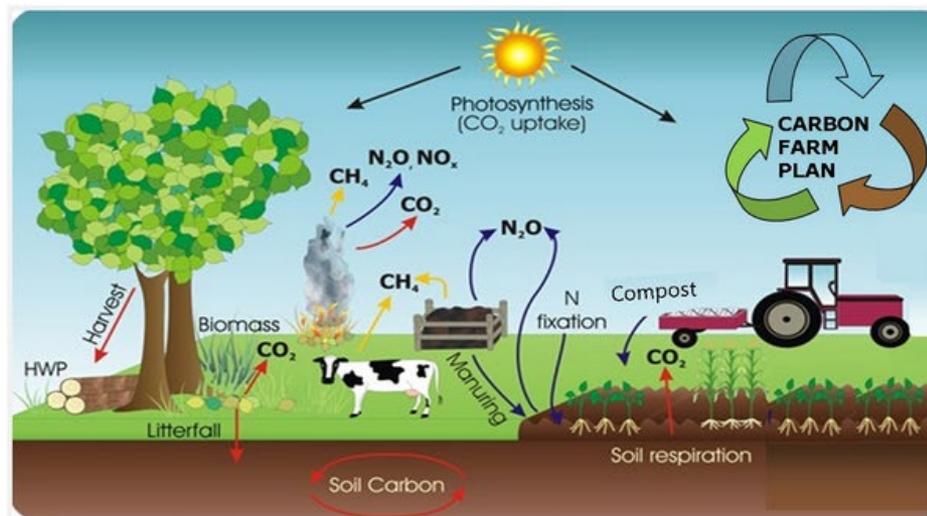
CARBON FARMING

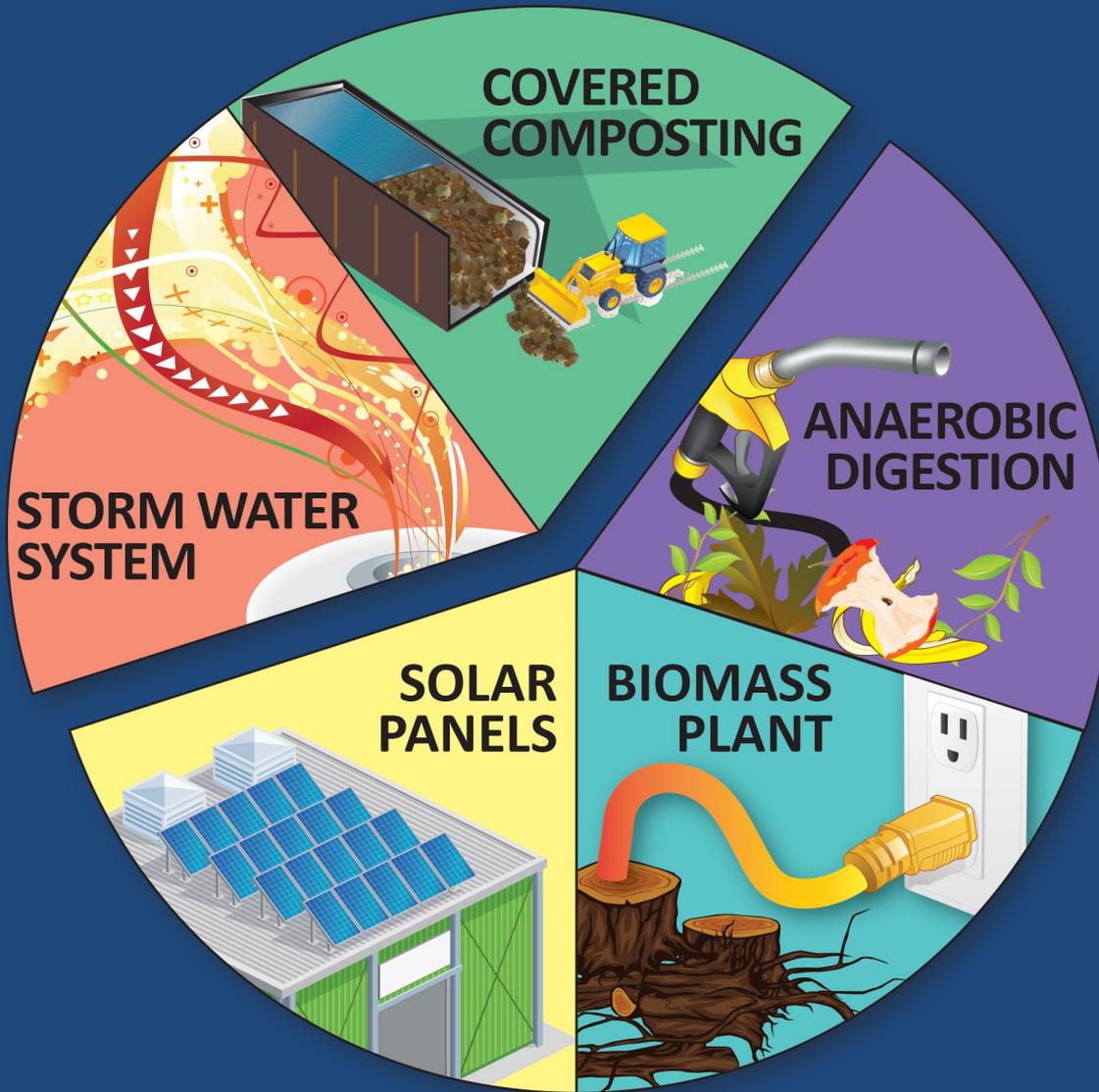
What is Carbon Farming?

Implementation Task Force

Demonstration Farms

Carbon Farm Plans





Stormwater System Improvements & Covered Composting System upgrades already completed

Anaerobic Digestion, Biomass Plant and Solar Panels represent local and sustainable renewable energy opportunities for the near future

Napa Facility Upgrades



Questions?

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FAQ

What do you need to recycle today?

Enter an item...

Paint can, water bottle, books, battery, camera, light bulb, Christmas tree, Starbucks cup, motor oil, cordless phone