

Napa County



Agenda - Final SPECIAL MEETING

Monday, October 17, 2022

1:30 PM

Yountville Town Council Chambers

Upper Valley Waste Management Agency (UVWMA)

NAPA COUNTY - Alfredo Pedroza, Vice Chair

NAPA COUNTY - Diane Dillon

CITY OF ST. HELENA - Anna Chouteau

TOWN OF YOUNTVILLE - Margie Mohler, Chair

CITY OF CALISTOGA - Chris Canning

ALTERNATE MEMBER - Brad Wagenknecht

ALTERNATE MEMBER - Lester Hardy

ALTERNATE MEMBER - Joe Tagliaboschi

ALTERNATE MEMBER - Gary Kraus

Steve Lederer, Manager

Tracy Schulze, Auditor

Alice Ramirez, Secretary/Clerk

Gary Bell, Legal Counsel

Bob Minahen, Treasurer

BOARD OF DIRECTORS SPECIAL MEETING

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**
4. **PUBLIC COMMENT**

In this time period, anyone who wishes to speak to the Authority Board of Directors regarding any subject over which the Board has jurisdiction, that is not on the agenda, or to request consideration to place an item on a future Board agenda, may do so at this time. Individuals will be limited to a three minute presentation. The Board of Directors will take no action as a result of any item presented at this time.

5. CONSENT ITEMS

- A. APPROVAL OF MINUTES [22-1842](#)
REQUESTED ACTION: Approval of the June 27, 2022 regular meeting minutes.

Attachments: [05A Mins-June 27-Final](#)

6. ADMINISTRATIVE ITEMS

- A. CALIFORNIA INTEGRATED WASTE MANAGEMENT ACT [22-1902](#)
DISCUSSION AND POSSIBLE ACTION: Staff to provide an update on the status of activities relevant to the Act.

Attachments: [Attachment A – Countywide DEA Collection Event 2022.pdf](#)
[Attachment B – UVWMA Member Update.pdf](#)
[Attachment C – PFAS Presentations.pdf](#)
[Attachment D – MORE Implementation Gaps Napa County.pdf](#)
[Attachment E - MORE Action Plan Upper Valley Waste Management Agency.pdf](#)
[Attachment F – Route Reviews.pdf](#)
[Attachment G - UVWMA Request for Zero Waste Event Support.pdf](#)

- B. REQUESTED ACTION: Adoption of and authorization for the Chair to sign Resolution 22-06 consenting to the Assignment of the Franchise Agreement with Upper Valley Disposal Service to a company owned by Waste Connections US, Inc. [22-1952](#)

Attachments: [Assignment Reso 22-06 UVDS Franchise Agreement](#)
[Request for Assignment Letter.](#)
[Company Information](#)
[Sustainability_Report](#)

- C. REQUESTED ACTION: Adoption of and authorization for the Chair to sign Resolution 22-07 consenting to the Assignment of the Franchise Agreement with Clover Flat Land Fill Inc. to a company owned by Waste Connections, Inc. [22-1955](#)

Attachments: [Assignment Reso CFLF Franchise Agreement](#)
[Request for Assignment Letter](#)
[Company Information](#)
[2021 Sustainability Report](#)

7. FRANCHISES' BUSINESS ITEMS

- A. FRANCHISES' STATUS [22-1935](#)
DISCUSSION AND POSSIBLE ACTION: Manager and Company to provide an update concerning the implementation of franchises' activities.

Attachments: [UVWMA_Q2_2022_Report](#)

- B. WASTE MANAGEMENT COMPANIES' ISSUES [22-1936](#)
DISCUSSION ITEM: This is an opportunity for the franchisee(s) to discuss/raise any items of concern they may wish the UVA to consider.

8. OTHER BUSINESS ITEMS

- A. MANAGER'S REPORT [22-1901](#)
DISCUSSION AND POSSIBLE ACTION: Manager to provide an update on the status of current activities and obtain Board direction on a process for use of available surplus funds.

Attachments: [Financials 10.06.22](#)
[UVA Insurance GSRMA](#)
[Certificate of Liability-Clover Flat Land Fill 08.22.22](#)

- B. REPORTS FROM JURISDICTIONS [22-1937](#)
DISCUSSION ITEM: Reports by the member jurisdictions of current information relevant to the Agency:
Napa County
Calistoga
St. Helena
Yountville

- C. FUTURE AGENDA ITEMS [22-1938](#)
DISCUSSION ITEM: Discussion of any items Board members wish to have addressed at a future meeting date.

9. ADJOURNMENT

The next regularly scheduled meeting of the Agency Board of Directors will be held on Monday, December 19, 2022 at 1:30 p.m. in the Yountville Town Council Meeting Chambers or as noted.



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1842

Agenda Date: 10/17/2022

TO: Board of Directors
FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency
REPORT BY: Alice Ramirez, Secretary/Clerk
SUBJECT: Approval of Minutes

RECOMMENDATION

APPROVAL OF MINUTES

REQUESTED ACTION: Approval of the June 27, 2022 regular meeting minutes.

EXECUTIVE SUMMARY

Staff recommends approval of the June 27, 2022 regular meeting minutes.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

Please see the attached minutes.



MINUTES OF THE JUNE 27, 2022
REGULAR MEETING OF THE BOARD OF DIRECTORS

THIS MEETING OF THE BOARD OF DIRECTORS OF THE UPPER VALLEY WASTE MANAGEMENT AGENCY IS BEING HELD PURSUANT TO GOVERNMENT CODE SECTION 54953(E) ("AB 361") RELATED TO TELECONFERENCING OF MEETINGS. THE GOVERNOR'S PROCLAMATION OF A STATE EMERGENCY IS STILL IN EFFECT AND THE BOARD OF DIRECTORS HAS MADE OR WILL MAKE THE NECESSARY FINDINGS UNDER THE LAW TO HOLD TELECONFERENCE MEETINGS IN THIS MANNER. PROPER NOTICE WAS GIVEN FOR THIS MEETING, ALL PERSONS ARE PERMITTED TO JOIN REMOTELY AND ADDRESS THE BOARD OF DIRECTORS DIRECTLY, AND THE MEETING WILL BE DELAYED IN THE EVENT OF AN AGENCY-CAUSED DISRUPTION. THIS MEETING WILL BE HELD IN ALL RESPECTS ACCORDING TO THE REQUIREMENTS OF GOVERNMENT CODE SECTION 54953(E).

You are invited to a Zoom webinar.

Topic: Upper Valley Waste Management Agency December Board

Please click the link below to join the webinar:

<https://countyofnapa.zoom.us/j/88291417879>

Or

Dial by your location

+1 699 900 6833 US (San Jose)

Meeting ID: 882 9141 7879

1. CALL TO ORDER

The Upper Valley Waste Management Agency met in regular session on Monday, June 27, 2022 at 1:30 p.m. via Zoom Teleconferencing Only. Chair Mohler read the previous statement for the record before calling the meeting to order at 1:30 p.m.

2. ROLL CALL

The following members were present: Vice Chair Pedroza, Member Dillon, Member Chouteau, Chair Mohler, and Member Canning.

3. PLEDGE OF ALLEGIANCE

Chair Mohler led the Pledge of Allegiance.

4. PUBLIC COMMENT

In this time period, anyone who wishes to speak to the Authority Board of Directors regarding any subject over which the Board has jurisdiction, that is not on the agenda, or to request consideration to place an item on a future Board agenda, may do so at this time. Individuals will be limited to a three-minute presentation. The Board of Directors will take no action as a result of any item presented at this time.

Mayor Geoff Ellsworth from St. Helena speaking for himself and not on behalf of the City Council or the City of St. Helena. Would like to put some continued concerns on the record.

- a. Meeting agenda link is not available through the UVWMA website, only on the Napa County's website. Would encourage Agency to have available in both locations.
- b. He says he received a phone call from Republic Services regarding Upper Valley Disposal Services (UVDS). Would like clarification on that. RESPONSE: Agency Manager confirmed that the call was from UVDS and does not know why caller ID on Mayor's Ellsworth phone showed otherwise.
- c. Voiced his concerns about his belief of ongoing fire risks at Clover Flat Land Fill and Upper Valley Disposal/White Hall Lane. Clarification requested from Vice-Chair Pedroza. No known fire risks have been reported. Is this consistent with what we have been made aware of? RESPONSE: Agency Manager noted that we received erroneous emails reporting a possible compost fire at UVDS with open flames. Investigation found that not to be true. Company did notify Agency beforehand about planned ceremonial flag burning event with the Boy Scouts on June 14. It was in a controlled burn box. There was some smoke. Fire Department was called and investigated and found no risk. No units were sent. UVDS water trucks were present as a best practice precaution. Fire Chief reported no record of calls for fire this calendar year at UVDS. Only report to Clover Flat was an electrical call out.
- d. Mulch and Compost being processed at these facilities. Is the material coming from in county or out of county? Does testing of these samples include PFAS (polyfluoroalkyl substances (PFAS) concentrations within biosolids composts) testing? (See further in Item 7A below).

5. CONSENT ITEMS

Item F pulled for Discussion

A. APPROVAL OF MINUTES

REQUESTED ACTION: Approval of the April 18, 2022, regular meeting minutes.

B. REMOTE TELECONFERENCE MEETINGS

REQUESTED ACTION: Executive Director requests approval of Resolution No. 22-04 making findings and declaring the Board's intent to continue remote teleconference meetings pursuant to Government Code section 54953(e), based on the Governor's declaration of a state of emergency and local recommendation for continued remote attendance at Brown Act meetings due to the threat of COVID-19.

C. APPROVAL OF AMENDMENT 6 TO AGREEMENT WITH NAPA COUNTY

DISCUSSION AND REQUESTED ACTION: Agency Manager requests authorization to make any non-substantive changes requested by the County, and approval of and authorization for the Chair to sign Amendment No. 6 to Agreement No. 93-02 (Napa County Agreement #3353) with Napa County to update billing rates and the staff positions the County is providing to UVA and to provide flexibility to UVA should the Board wish to modify staffing in the future.

D. AGREEMENT FOR HOUSEHOLD HAZARDOUS WASTE COLLECTION

DISCUSSION AND REQUESTED ACTION: Staff recommends Chair sign one-year agreement, with two possible one-year extensions, with Clean Earth Environmental Solutions, Inc. for the collection of household hazardous waste at temporary events and locations requested by the Agency. The compensation to the contractor shall not exceed \$70,000.

E. AWARD CONTRACT TO CCNB FOR LITTER REMOVAL SERVICES

DISCUSSION AND REQUESTED ACTION: Agency Manager requests approval of and authorization for the Agency Manager to sign a contract with California Conservation Corps of the North Bay (CCNB) for a term of one year commencing July 1, 2022, with potential for mutually agreeable one-year extensions, for a maximum amount per year of \$95,000, for litter cleanup services.

F. INSURANCE

DISCUSSION AND REQUESTED ACTION: Approval and acceptance of the Agency's proposed insurance coverage, if said coverage can be obtained.

Approved Consent item 5A-E (excluding F): (roll call vote): Move to approve by Member Dillon, Second by Vice Chair Pedroza: DD-Yes, AP-Yes, MM-Yes, AC-Yes, CC-Yes. Motion passes 5-0.

Item F Discussion

Agency's insurance has come up and insurance company will continue to handle existing claim and extend coverage until August 11. So far, they have declined to renew coverage going forward. Agency Manager asks the Board to give him authorization to accept that extension and in between now and then will either solve something with the current insurance company and talk to both the county and perhaps to Yountville about joining the government agency insurance pools that they join and see if there may be a way for UVA to join one of those pools. Agency Manager asks for authorization for the agency manager to spend \$211 to extend our insurance to August 11 and investigate other options for insurance coverage in the meantime. Subsequent to the meeting the Agency Manager successfully obtained insurance coverage with a County directed "pool of governments". More details will be provided at the next scheduled meeting.

Member Canning commented on this item, that filing of frivolous lawsuits has real world consequences that impacts our constituents.

Member Dillon agreed with Member Canning's comment.

Member Chouteau also agrees with Member Canning's comment.

Approved Consent item 5F: (roll call vote): Move to approve by Member Dillon, Second by Member Chouteau: DD-Yes, AC-Yes, MM-Yes, AP-Yes, CC-Yes. Motion passes 5-0.

6. ADMINISTRATIVE ITEMS

A. CALIFORNIA INTERGRATED WASTE MANAGEMENT ACT

DISCUSSION AND POSSIBLE ACTION: Staff to provide an update on the status of activities relevant to the Act.

Agency's staff, Amanda Griffis, summarized staff report and highlighted some sections on the agenda report.

No action taken.

B. PUBLIC HEARING: APPROVAL OF THE 2022/2023 FISCAL YEAR BUDGET

REQUESTED ACTION: Staff requests approval and adoption of Agency Resolution No. 22-05 adopting the proposed final budget for fiscal year 2022/2023.

Chair Mohler commented that Town of Yountville is preparing to submit their Member Project grant request to create a central location for compost where residents can drop off or pick up some compost for their own use. Member Canning also looking to submit a proposal for security cameras and scanner cards at collection bins site by Firehouse.

Company' Christy Pestoni thankful composting at Town of Yountville started a set up that she hopes catches on with this Board's help.

Member Chouteau is happy to hear other's proposals and is looking forward to having her staff submit the City of St. Helena's proposal along with the newly hired City Manager and newly created position for Assistant City Manager.

Approved Public Hearing item 6B: (roll call vote): Move to approve by Member Chouteau, Second by Member Canning: AC-Yes, CC-Yes, MM-Yes, DD-Yes, AP-Yes. Motion passes 5-0.

7. FRANCHISES' BUSINESS ITEMS

A. Franchises' Status

DISCUSSION AND POSSIBLE ACTION: Manager and Company to provide an update concerning the implementation of franchises' activities.

Christy Pestoni with the Company briefed the Board on various company activities. Added that the Company's Compost is certified organic since the 1990's. No action taken.

B. Waste Management Companies' Issues

DISCUSSION ITEM: This is an opportunity for the franchisee(s) to discuss/raise any items of concern they may wish the UVA to consider.

8. OTHER BUSINESS ITEMS

A. Manager's Report

DISCUSSION AND POSSIBLE ACTION: Manager to provide an update on the status of current activities and obtain Board direction on a process for use of available surplus funds.

Manager Steve Lederer summarized staff report and discussed the Extraordinary Rate Increase process. The Company has submitted for an Extraordinary Rate Increase (5% on top of the 11% they are entitled to. This will return to the Board for their consideration in August or September. (Subsequent to the meeting the Company withdrew this request and as such no further Board action is required).

The Board would like future discussions on whether we should go to mandatory service, how we charge for service (do we continue to charge primarily based only on the size of garbage service), and whether commercial accounts should have a minimum charge. These discussions would occur as part of setting the new baseline at the conclusion of the current 3-year rate cycle (we are just starting year two). Chair Mohler commented on the success of Town of Yountville Mandatory garbage service requirement.

B. Reports from Jurisdictions

DISCUSSION ITEM: Reports by the member jurisdictions of current information relevant to the Agency:

- i. Napa County: Rich Luthy, who has been the Director of the Napa Vallejo Waste Management Agency for last 5-7 years is retiring. The recruitment for a new Executive Director will follow. Thus, there will be a new leader for the Devlin Road Transfer Station coming soon.
- ii. Calistoga: Nothing to report.
- iii. St. Helena: Nothing to report.
- iv. Yountville: There is a new California plastics packaging law coming in the future.

C. Future Agenda Items

DISCUSSION ITEM: Discussion of any items Board members wish to have addressed at a future meeting date.

Items previously mentioned at this meeting.

9. ADJOURNMENT

Meeting was adjourned at 2:20p.m. The next regularly scheduled meeting of the Agency Board of Directors will be held on Monday, August 15, 2022, at 1:30p.m. in the Yountville Town Chambers or as noted.

AYES: _____
NOES: _____
ABSTAIN (A): _____
ABSENT(B): _____
EXCUSED(X): _____

By: _____
ATTEST: Steven Lederer, Manager of the Upper Valley Waste Management Agency

KEY

Vote: AC = Anna Chouteau; AP = Alfredo Pedroza; CC = Chris Canning; DD = Diane Dillon; MM = Margie Mohler
BW = Brad Wagenknecht; GE = Geoff Ellsworth; GK = Gary Kraus; KD = Kerri Dorman
The maker of the motion and second are reflected respectively in the order of the recorded vote.
Notations next to vote: Y = Ayes; N = No; A = Abstain; B = Absent; X = Excused



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1902

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency

REPORT BY: Amanda Griffis - Environmental Resource Specialist

SUBJECT: California Integrated Waste Management Act

RECOMMENDATION

CALIFORNIA INTEGRATED WASTE MANAGEMENT ACT

DISCUSSION AND POSSIBLE ACTION: Staff to provide an update on the status of activities relevant to the Act.

EXECUTIVE SUMMARY

WASTE REDUCTION, RECYCLING, HAZARDOUS WASTE PROGRAMS UPDATE

Hazardous Waste Collections - The fall hazardous waste (HW) collection event is scheduled for November 4 1:00pm - 4:00pm (business) and November 5 8:00am - 1:00pm (residential). The event will be held at the Napa County Fairgrounds in Calistoga. Upper Valley Waste Management Agency's (UVWMA) HW collections contractor, Clean Earth, will collect and dispose of HW materials collected. Business will schedule appointments and pay disposal costs for their materials, residents are not charged a fee and are not required to schedule appointments.

As was done at the 2021 Calistoga event, electronic waste will be collected by Upper Valley Disposal & Recycling (UVD&R) and document shredding will be provided by a third-party vendor during the hazardous waste event. The electronic waste collection and document shredding are one of the three times per year events provided by UVD&R per the franchise agreement. The electronic waste collection and document shredding will be for residents only, not businesses. The max per drop off for hazardous waste remains unchanged as it is due to state law, 15 gallons or 125 pounds per vehicle. The maximum drop off for document shredding will be five banker boxes. There will be three stops at the event - hazardous waste, electronic waste and document shredding.

Sharps and Medications Disposal - The DEA National Prescription Drug Take Back day is October 29, 2022 10:00am - 2:00pm. UVWMA staff are coordinating with law enforcement and other jurisdictions in Napa County for Countywide participation in the event. Yountville Sheriff Department, St Helena Police Department and Calistoga Police Department will host collection sites. Sharps will be collected in addition to unused or unwanted medications. Sharps must be dropped off in puncture resistant containers, individual 1gal puncture resistant containers will be provided to collection sites in case the public brings in loose sharps or sharps in a non-puncture resistant container. Napa County Sheriff Department in conjunction with up valley law enforcement will coordinate the medication collections portion of the event. UVWMA will assist with dropping off large 38gal sharps collection bins to up valley sites and pay disposal costs for sharps disposed of at the hazardous waste facility. A countywide flyer is included as Attachment A - Countywide DEA Collection Event 2022.

Presentations - In August UVWMA invited member jurisdictions to a presentation by UVWMA staff to update jurisdiction staff on AB 1826 and SB 1383 activities. A copy of the presentation is included as Attachment B - UVWMA Member Update.

Two presentations on PFAS in recycled organic products like compost and biosolids from the Washington Oregon Recyclist Council are included as Attachment C - PFAS Presentations.

CalRecycle - UVWMA staff completed UVWMA's CalRecycle electronic annual report in October. Typically the report would cover only the previous calendar year. However due to the SB 1383 regulations, the report format and timeline was adjusted to include SB 1383 reporting. The report submitted in October covered January 1, 2021 - June 30, 2022.

UVWMA staff are working to complete the annual hazardous waste report, due to CalRecycle on November 1, on hazardous waste collected and events conducted in calendar year 2021.

In July, all UVWMA member jurisdictions received a notice of MORE Program Implementation Gaps from CalRecycle. MORE is an acronym for AB 1826 Mandatory Organics Recycling, which requires all commercial entities who produce two cubic yards or more of solid waste per week to recycle organic material. It also requires multifamily dwellings with five or more units ensure landscape trimmings and green waste is composted. The notice from CalRecycle stated the program deficiency is a high level of noncompliance with compost separation. UVWMA is aware that many, if not all, jurisdictions in California received the same notice of implementation gaps. UVMWA submitted the required plan to CalRecycle address the program gaps. A copy of one of the implementation gaps notices is included as Attachment D - MORE Implementation Gaps Napa County and the action plan provided to CalRecycle is included as Attachment E - MORE Action Plan Upper Valley Waste Management Agency. UVWMA and UVD&R will be

working together to accomplish tasks outlined in the action plan throughout the remainder of calendar year 2022. Currently there are 564 commercial businesses and multi family properties who are required to recycle organics and 276 appear they are not currently recycling organics.

SB 1383 Implementation - UVWMA has met organic product procurement targets for calendar year 2022. A total of 1,823.8 cubic yards of compost was distributed to interested jurisdictions, residents, wineries and non-profits by UVD&R. UVWMA will pay for the cost of compost distributed. Staff will provide an update on the total cost at a future meeting. 2022 compost procurement will be funded by SB 1383 grant funding received from CalRecycle earlier this year.

There are 7,104 residential accounts up valley, of those 838 do not have compost carts and appear to be out of compliance with SB 1383. In November, UVD&R will send letters to these residential accounts notifying them of the need to comply with SB 1383 and asking they call UVD&R to request their compost cart.

UVWMA and UVD&R continue to work together to bring commercial accounts up valley into compliance with SB 1383. In October a notice of noncompliance will be sent in the mail to non-compliant accounts who generate two cubic yards or more of solid waste per week (in conjunction with MORE AB 1826 notice). UVWMA and UVD&R continue to reach out individually via phone, email and site visit to non-compliant accounts to provide education and assistance with meeting organics recycling requirements.

Throughout the summer, UVMWA and UVD&R worked with the Cities of St Helena and Calistoga and the Town of Yountville to ensure all jurisdiction owned buildings are compliant with compost recycling requirements. Assistance provided included site visits, internal bins and signs, trainings and updating free services from UVD&R at member jurisdiction owned buildings.

UVWMA continues to collaborate with Napa County, City of Napa and City of American Canyon on countywide food recovery efforts, with Napa County taking the lead. UVWMA recently met with Napa County and the City of Napa to discuss current challenges with SB 1383 required food recovery planning efforts and how to address the challenges. Napa County will be reaching to CalRecycle for a potential delay in due date to February 28, 2023 on the required implementation schedule to address deficiencies in food recovery capacity, which is currently due November 28. The next priority step is to vet and confirm the list of Tier One and Tier Two mandated food donors throughout Napa County, provided by contractor Abound Food Care in June. This step will allow staff to better assess the needed infrastructure for food recovery when all mandated donors are participating.

SB 1383 requires jurisdictions meet container contamination minimization requirements. One way to meet these requirements is by conducting route reviews of all hauler routes for prohibited container contaminants once per year. Within routes, containers may be randomly selected along the route for further inspection and

enough containers must be inspected in to order to adequately determine overall compliance. This further inspection is typically called “lid flips”. Lid flips were conducted along residential routes in September, plans for commercial route reviews are currently under discussion. Routes for review were broken up by jurisdiction, there were four sets of routes to review up valley. The number of lid flips for each jurisdiction was determined by a calculation method in advance. The number of residential customers inspected up valley included: 30 in unincorporated County, 25 in Yountville, 30 in St Helena and 25 in Calistoga. Addresses were selected in advance and there were back up plans in case carts were not out at pre-selected addresses. Lid flips were done in the evening the day before service day. All three carts (trash, recycle, compost) were checked for various types of contaminants. If contaminants were found, an “oops” tag was left on the cart noting what was found and where those items should go. If more than 10% of contamination was found, a violation tag was left in addition to the oops tag, the cart was turned around to notify drivers to not empty the cart and the resident was asked to clean up the contaminants. Overall UVD&R staff were able to inspect 248 residential carts, only 32 were not emptied due to more than 10% contamination and 108 were properly sorted (no oops tag left). UVD&R experienced a challenge of households not having all three carts out, which lessened the number of compost and recycling carts inspected in comparison to trash. UVWMA and UV&R are currently discussing if further residential reviews are needed to meet the standards of the regulations. Included is Attachment F - Route Reviews, with photos of route reviews and a draft table breaking down the findings during the reviews.

Zero Waste Event Support - UVWMA staff have created and made available a Request for Zero Waste Event Support application. The purpose of the form is to request from UVWMA a one-time reimbursement of up to \$250 for efforts relating to making events that are free and open to the public zero or low waste. Reimbursements for the following items will be considered: temporary recycling and/or compost service, temporary bins for waste sorting stations, clear bags for recycling or compostable bags for compost, compostable service ware and signs for bins. More detail is available on the application and it is included as Attachment G - UVWMA Request for Zero Waste Event Support.

UVWMA received the first application for zero waste event support in August, for Up Valley Family Center’s Back to School Night in Calistoga. Up Valley Family Center received a reimbursement for recycling and compost service and bins for waste sorting stations at their event. There were approximately 1,300 community members who attended the event. 205 pounds of organics, 30 pounds of recyclables and 41 pounds of trash were produced at the event, for a diversion rate of 85%.

Recycling Events - Free tire recycling events were held in the spring at Pacific Union College (PUC) and Clover Flat Landfill (CFL), 665 tires were collected for recycling at PUC and 910 tires were collected for recycling at CFL. Funding for the events is through a grant from CalRecycle, managed by Napa County Planning, Building and Environmental Services Department. Due to the success of the event at CFL, another tire recycling event is being coordinated for a date to be determined in November at CFL. Details on the event will be provided at a future meeting and will be posted on UVD&R’s website.

The Napa County Agricultural Commissioner’s ag chemical container recycling day will take place on

October 20, 2022 8:00am - 2:00pm at the Calistoga Corp Yard located at 4410 Silverado Trail North, Calistoga. More details on the event can be found at www.countyofnapa.org/AgCom/.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

None

UNUSED MEDICATIONS & SHARPS COLLECTION EVENT

SATURDAY, OCTOBER 29, 2022

10:00AM - 2:00PM



KAISER PERMANENTE MEDICAL OFFICES

3285 CLAREMONT WAY • EAST PARKING LOT • NAPA

AMERICAN CANYON POLICE DEPARTMENT

911 DONALDSON WAY EAST • AMERICAN CANYON

NAPA SHERIFF'S OFFICE

1535 AIRPORT BLVD • BY NAPA COUNTY AIRPORT

CALISTOGA POLICE DEPARTMENT

1235 WASHINGTON STREET • CALISTOGA

ST HELENA POLICE DEPARTMENT

1480 MAIN STREET • ST. HELENA

YOUNTVILLE POLICE DEPARTMENT

1950 MULBERRY STREET • YOUNTVILLE

ALL HOUSEHOLD-GENERATED MEDICATIONS
(TABLETS, CAPSULES, INHALERS, AND LIQUIDS)
INCLUDING CONTROLLED SUBSTANCES ARE ACCEPTED



SHARPS MUST BE IN PUNCTURE
RESISTANT CONTAINERS.

*Sponsored by: Kaiser Permanente; Calistoga & St. Helena Police Dept.; City of Napa Recycling Division; DEA;
Napa County Public Works; Napa County Sheriff; Napa Sanitation District; and UVWMA.*

FOR LOCAL YEAR-ROUND INFORMATION: www.NapaRecycling.com

EVENTO DE RECOLECCIÓN DE MEDICAMENTOS Y JERINGAS SÁBADO 29 DE OCTUBRE, 2022 10:00AM - 2:00PM



KAISER PERMANENTE MEDICAL OFFICES

3285 CLAREMONT WAY • ESTACIONAMIENTO ESTE • NAPA

AMERICAN CANYON POLICE DEPARTMENT

911 DONALDSON WAY EAST • AMERICAN CANYON

NAPA SHERIFF'S OFFICE

1535 AIRPORT BLVD • BY NAPA COUNTY AIRPORT

CALISTOGA POLICE DEPARTMENT

1235 WASHINGTON STREET • CALISTOGA

ST HELENA POLICE DEPARTMENT

1480 MAIN STREET • ST. HELENA

YOUNTVILLE POLICE DEPARTMENT

1950 MULBERRY STREET • YOUNTVILLE

TODO MEDICAMENTOS DEL HOGAR

(TABLETAS, CAPSULAS, INHALADORES Y LÍQUIDOS)

INCLUYENDO SUSTANCIAS CONTROLADAS SON ACEPTADO



OBJETOS CORTO-
PUNZANTES DEBEN ESTAR EN
RECIPIENTES RESISTENTES A
PERFORACIÓN.

*Patrocinado por: Kaiser Permanente; Calistoga & St. Helena Police Dept.; City of Napa Recycling Division; DEA;
Napa County Public Works; Napa County Sheriff; Napa Sanitation District; and UVWMA.*

PARA OPCIONES LOCALES TODO EL AÑO: www.NapaRecycling.com

Upper Valley Waste Management Agency

Update for member jurisdictions

SB 1383 capacity for organics processing

- ▶ All UVWMA member jurisdictions have demonstrated sufficient capacity at organic waste processing facilities, like composting sites, to keep organics out of landfills over the planning period ending December 31, 2022, with the exception wastewater treatment plant sludge, or biosolids.
- ▶ The City of Calistoga contracts with a company that diverts its biosolids from landfill by land applying them on farms in Solano and Sacramento County. The Town of Yountville received a notice of need to submit an implementation schedule to CalRecycle describing how it will keep biosolids out of landfills. The City of St. Helena did not receive a notice, but will need show that it diverts from landfill any biosolids that it generates between January 1 and December 31, 2022.
- ▶ SB 1383 requires that biosolids are diverted from landfill
 - ▶ To be considered a reduction in landfill disposal for the purposes of this regulation, land application of biosolids must comply with existing regulatory requirements and have undergone composting or anaerobic digestion. While this regulation defines land application as recovery, this regulation does not allow land application of biosolids to be done in a manner that conflicts with existing public health and safety regulations and requirements.
 - ▶ Land application of composted or digested biosolids prevents the landfill disposal of this material and reduces greenhouse gas emissions. This supports the state's efforts to keep organic waste out of landfills and reduce greenhouse gas emissions and is therefore considered a recovery activity for the purposes of this regulation.
- ▶ Those cities that need to submit an implementation plan to CalRecycle for biosolids diversion from landfill must do so by November 28, 2022

Notice of MORE (AB 1826) Program Implementation Gaps

- ▶ AB 1826 requires commercial businesses who have two cubic yards or more of solid waste per week to recycle their organic waste. Also requires multi family dwellings with 5 units or more to divert yard waste (not food)
 - ▶ Solid waste is trash, recycling, compost and any other source separated services combined
 - ▶ For reference, one 96-gal cart is about ½ cubic yard
- ▶ Requirements were phased in starting in April 2016
- ▶ Two cubic yard threshold started in September 2020
- ▶ Organics include: Food waste, Landscape trimmings, Non-hazardous wood waste, Food soiled paper
- ▶ Jurisdictions are required to offer service to organic waste generators. No enforcement is required by regs.
- ▶ Jurisdiction are required to identify businesses that meet threshold and conduct annual education.
- ▶ Jurisdictions are required to report to CalRecycle on activities annually

Notice of MORE (AB 1826) Program Implementation Gaps

- ▶ CalRecycle sent the same notice to all cities and counties in the state
- ▶ All efforts in action plan to be carried out by agency and hauler staff
- ▶ Activities through end of 2022 include
 - ▶ ID covered generators and those not complying
 - ▶ ID self haulers and those not complying
 - ▶ Mail educational piece to all commercial accounts and self haulers
 - ▶ Update self haul and print brochure for distribution at CFL
 - ▶ Ongoing checks for up to date info on websites
 - ▶ Follow ups with non compliant entities
 - ▶ Provide ongoing updates to CalRecycle

Notice of MORE (AB 1826) Program Implementation Gaps

- ▶ Current estimate on compliance agency wide
 - ▶ 44 MFD's, approximately half need verification if landscaper is self hauling trimmings as they appear to be non compliant and/or need organics service
 - ▶ 354 commercial accounts need to comply, 228 need further investing and/or follow up to get into compliance
- ▶ Efforts dovetail with current SB 1383 compliance outreach. Agency and hauler staff reaching out to commercial accounts from largest solid waste total down, focus on those with no organics service at all.
- ▶ Wineries are largest generators but our efforts will slow during harvest, agency and hauler staff to focus on restaurants, hotels and offices during that time

Business Assistance Program aka Site Visits aka Waste Assessments

- ▶ Assistance is available to any business or multi family program
- ▶ Assistance is offered to those who are reached out to for AB 1826 and SB 1383 compliance, anyone who reaches out asking for help and wineries going thru Napa Green program
- ▶ Assistance includes
 - ▶ Walk through to assess needs with agency and/or hauler staff
 - ▶ Free recycling and composting interior bins with informational labels attached
 - ▶ Free wall signs, print hand outs, exterior hauler bin/cart signs
 - ▶ English and Spanish trainings
 - ▶ Ongoing assistance via email and phone

SB 1383 Food Recovery and Notice of Need for Implementation Schedule

- ▶ Per SB 1383 MOU, agency is responsible for
 - ▶ Education and outreach to commercial edible food generators
 - ▶ Capacity planning
 - ▶ Inspections of edible good generators
- ▶ Per SB 1383 MOU, member jurisdictions are responsible for enforcement if needed
 - ▶ Examples may include edible food generator not donating, edible food generator intentionally spoiling food
- ▶ Counties are required lead effort to plan for adequate capacity for edible food recovery, completed with consultant
- ▶ Counties in coordination with jurisdictions and regional agencies located within the county must actively expand and create new infrastructure to grow food recovery networks if additional capacity is needed

SB 1383 Food Recovery and Notice of Need for Implementation Schedule

- ▶ Napa County led Countywide edible food recovery capacity study with consultant Abound Food Care
- ▶ Edible food is food intended for human consumption. Is wine food? TBD...
- ▶ Deliverables included
 - ▶ List of Tier 1 and Tier 2 mandated edible food donors
 - ▶ Tier 1: Supermarkets, Grocery stores with 10k+ sq feet, Food service providers, Food distributors, Wholesale food vendors
 - ▶ Tier 2: Restaurants with 250+ seats or 5k+ sq feet, Hotels with 200+ rooms and onsite food facility, Health facility with 100+ beds and onsite food facility, Large venues and Large events (2k+ attendees per day), State agencies with cafeteria that has 250+ seats, Local education agencies with onsite food facility
 - ▶ List of food recovery services and organizations
 - ▶ Pounds of edible food generated by mandated donors. List of donors who are already donating
 - ▶ Current capacity at food recovery services and organizations

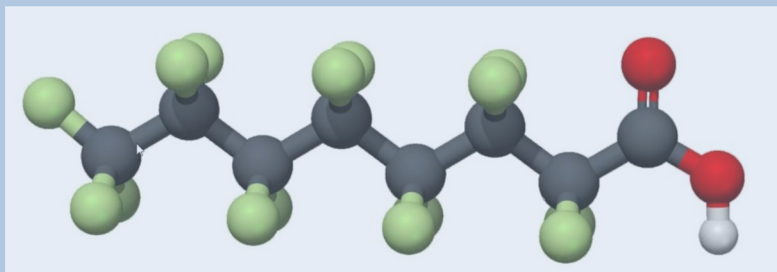
SB 1383 Food Recovery and Notice of Need for Implementation Schedule

- ▶ Countywide totals
 - ▶ Estimated edible food for landfill disposal (tons): 1,192.02 tons
 - ▶ Edible food recovery capacity verifiably available (tons): 154.35 tons
 - ▶ Needed edible food recovery capacity (tons): 1,037.67 tons
- ▶ Food recovery organizations who could expand capacity
 - ▶ Our Lady of Perpetual Help Church, The Salvation Army, Napa Valley College Basic Needs Center, Kiwanis American Canyon Pantry and Feeding it Forward
- ▶ Implementation schedule will be done on Countywide basis but each city needs to submit, agency to submit on behalf of members. Should include
 - ▶ Plan for how to get funding for needs
 - ▶ What facilities, operations and activities could increase capacity
 - ▶ Timelines and milestones for above

SB 1383 responsibilities wrap up

- ▶ Per MOU
- ▶ Agency
 - ▶ Coordinate collection service(s)
 - ▶ Education and outreach
 - ▶ Notify cities of procurement target
 - ▶ Reporting to CalRecycle
 - ▶ Capacity planning
 - ▶ Create and maintain online complaint form
 - ▶ Seek voluntary compliance with generators
 - ▶ Edible food inspections
- ▶ Member jurisdictions
 - ▶ CalGreen
 - ▶ MWELO
 - ▶ Ordinance adoptions
 - ▶ Organic product procurement and recycled content paper products purchases
 - ▶ Share with agency for reporting to state
 - ▶ Debris removal projects
 - ▶ CalGreen and MWELO projects
 - ▶ Organic product procurement records
 - ▶ Recycled content paper purchasing records
 - ▶ Enforcement records
 - ▶ Enforcement

Biosolids, Composts, PFAS



Ned Beecher
Independent Consultant (formerly with NEBRA)
ned.beecher@gmail.com
603-387-7869

Presentation to Washington Organic Recycling Council (WORC)
August 2, 2022

Slides adapted from NEBRA presentations. Thanks to



Why biosolids are used

NEBRA's PFAS page:

<https://www.nebiosolids.org/pfas-biosolids>

Includes "PFAS & Biosolids & Septage on NE Farms" and lit. reviews (click at bottom of page)



North East Biosolids & Residuals Association

Recycled organics: Tools for sustainability.

HOME NEBRA BIOSOLIDS RESIDUALS **RESOURCES** NEWS EVENTS BLOG CONTACT MEMBERS ONLY

PFAS in Biosolids ("sludge") and Residuals

Recycling organic "wastes" benefits society and the environment.

Throughout the U. S. and Canada, biosolids (treated and tested sewage sludge), septage, paper mill residuals, composts, and other organic residuals are commonly recycled to soils. This recycling does amazing things:

- enhances soil health
- recycles nutrients
- sequesters carbon (mitigating climate change)
- reduces fertilizer & pesticide use
- strengthens farm economies (thousands of farmers choose to use biosolids, because they work)
- restores vitality to degraded lands
- puts to productive use residuals that every community has to manage.
(Wastewater treatment is a vital public health service, and it creates residual solids that have to be managed!)

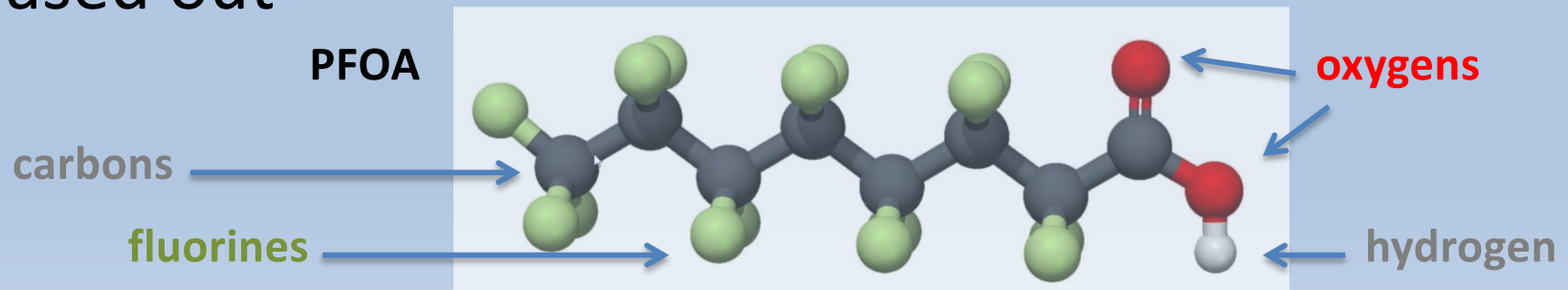
"Let's move fast to stop non-essential uses of PFAS. Then let's work carefully and more slowly on research and balanced regulation."

— Dr. Linda Lee, Professor of Agronomy, Purdue University, MI WEA Biosolids Conference, Aug. 2020



What are PFAS?

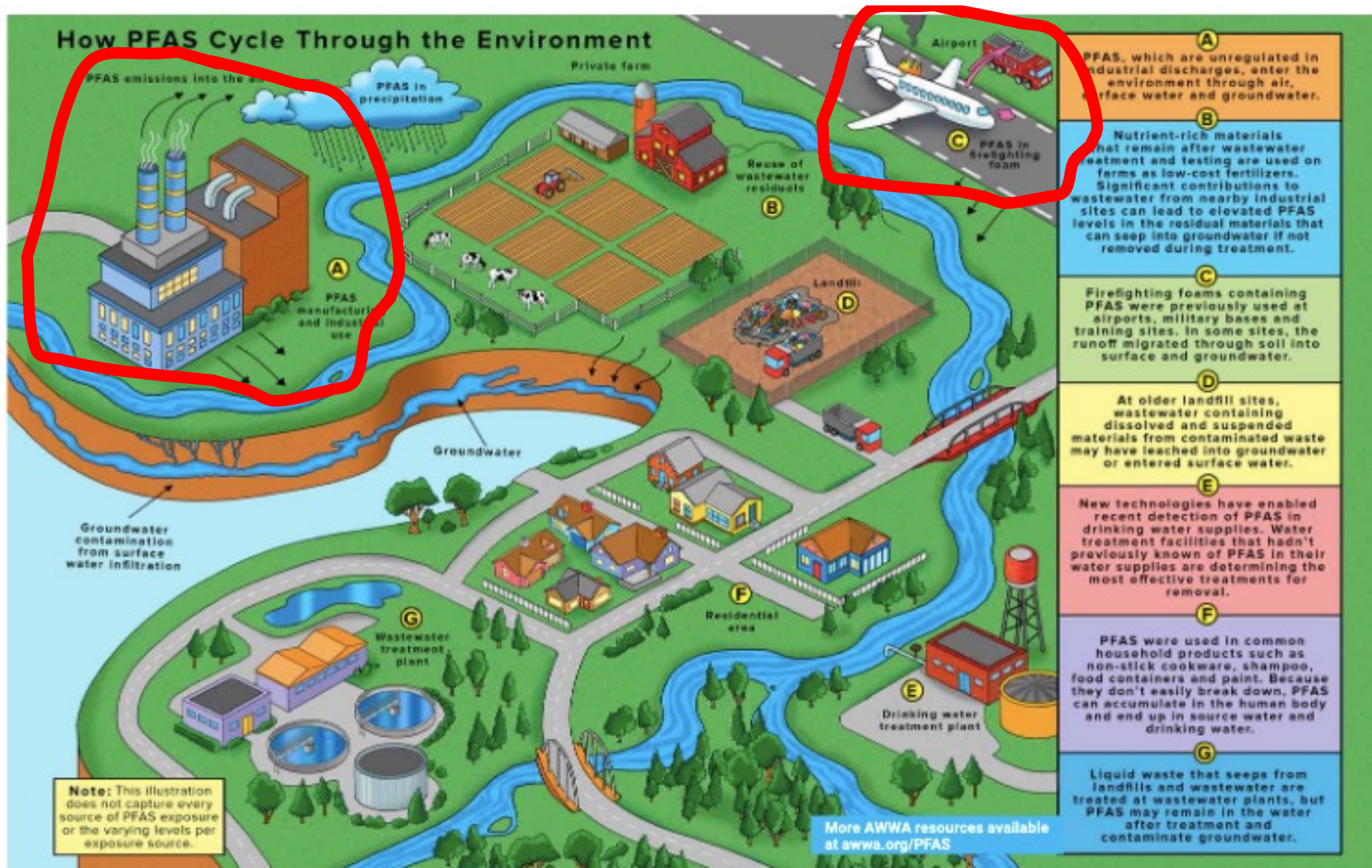
- Per- and polyfluorinated alkyl substances
- Maybe 9,000 in the PFAS family; widely used
- Water soluble, water resistant, grease resistant, bind to proteins
- Persistent – the defining fluorocarbon tail does not degrade. C-F bond is strong!
- Stable - don't break down in soils, waters
- PFOA and PFOS most studied & understood – and are phased out



How PFAS are used

PFAS are widespread from decades of use – including in water, soil, and human blood





[https://www.awwa.org/Portals/0/AWWA/ETS/Resources/15683 PFAS_web.pdf?ver=2019-11-12-133836-883](https://www.awwa.org/Portals/0/AWWA/ETS/Resources/15683%20PFAS_web.pdf?ver=2019-11-12-133836-883)

How people are most exposed to PFAS:

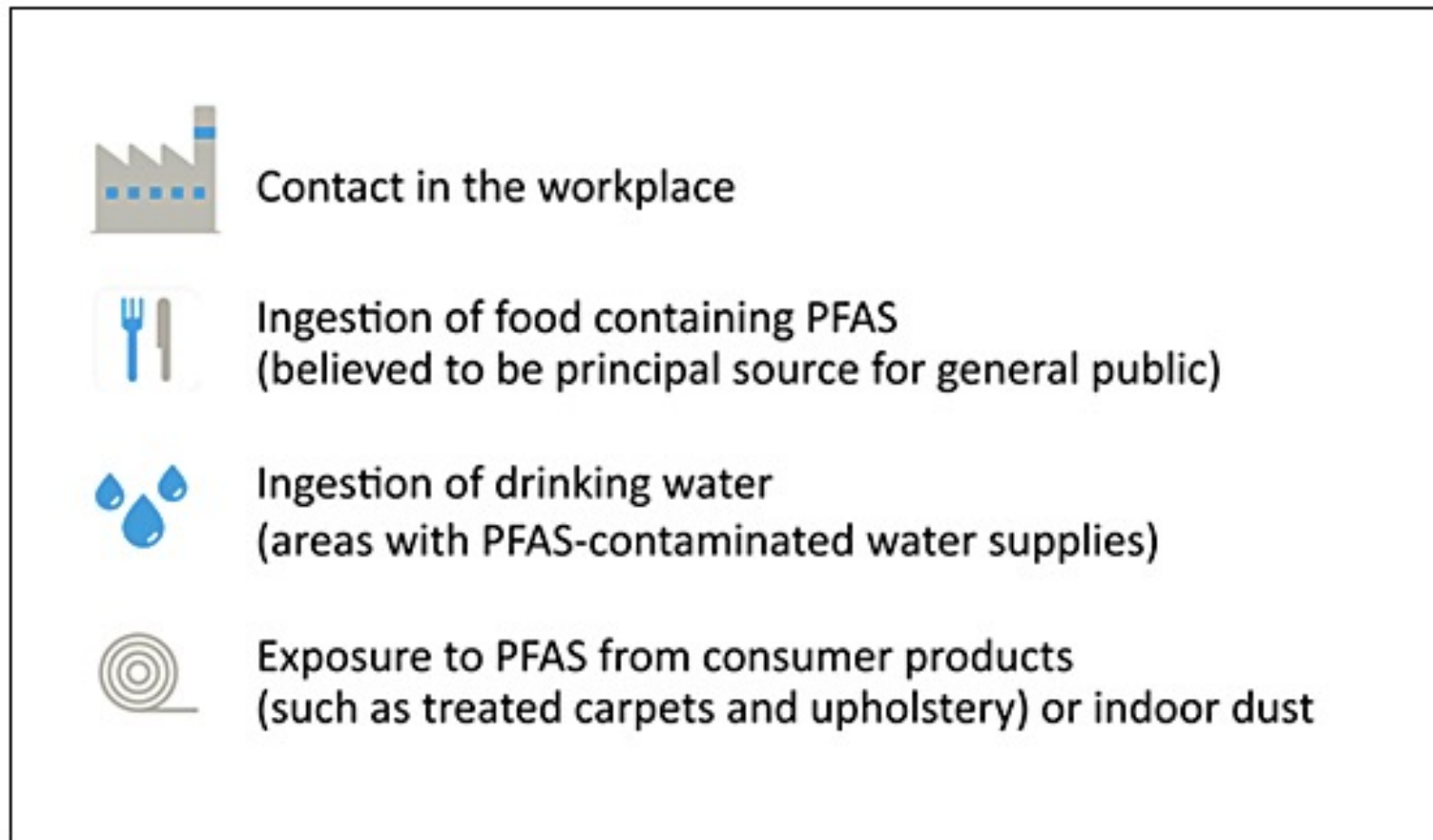


Figure 9-5. Predominant human exposure pathways.

<https://pfas-1.itrcweb.org/9-site-risk-assessment/>

Relative concentrations matter

- **Biosolids:** 35 – 200 ppb
- **Fast food trays, wrappers** - Range from 7,000 – 876,000 ppb total organic F *Consumer Reports* (May 2022) – Of 118 paper wrapper products tested, 37 were above 20,000 ppb and 22 were above 100,000 ppb. Only 37 products were below detection limits. Quote: “We know that these substances migrate into food you eat,....”
- **Cosmetics** in the U. S. – *Environmental Science & Technology* – June 15, 2021
 - Foundation – 147,000 - 10,500 ppb (Sum of 53 PFAS)
 - Lipstick – 216,000 – 1,560 ppb (Sum of 53 PFAS)
 - Mascara – 215 – 894 ppb (Sum of 53 PFAS)
- **Carpets and dust** in California Child Care Facilities (2018 data) – May 14, 2020 in *Chemosphere*. Median results: Carpet – 471 ppb; Dust – 523 ppb
- **Food products** - Schechter et al. 2010. *Environ Health Perspect* 118(6):796-802: Butter – 1.07 ppb; Olive Oil – 1.8 ppb

Previous and **Current Uses:** Industrial and Consumer Products

Perfluorooctanoic Acid (PFOA)

- Cooking surfaces
- **Fire fighting foams**
- Toothpaste, shampoos, cosmetics
- Semiconductor industry
- Polishes and waxes
- Electronics
- **Lubricants/surfactants/emulsifiers**
- Pesticide
- Plumbing tape
- Food containers and contact paper
- Textiles and leather
- Paints, varnishes, sealants
- Cleaning products
- And more...

NOTE: GenX chemicals replaced PFOA

Perfluorooctane Sulfonic Acid (PFOS)

- **Metal plating and finishing**
- **Fire fighting foams**
- **Photograph development**
- Semiconductor industry
- **Aviation fluids**
- Flame repellants
- Packaging papers
- Oil and mining
- Stain repellants on carpets and upholstery
- Cleaning products
- Paints, varnishes, sealants
- Leathers, textiles
- And more...

NOTE: PFBS replaced PFOS

Slide from Betsy Behl, EPA Office of Water, presentation to Ntl. Drinking Water Advisory Council, April 2022

Is your favorite
fast-food joint using
PFAS in its packaging?



**TOXIC-FREE
FUTURE**

Testing by an independent lab showed that these
items contained levels of fluorine that suggested
treatment with PFAS chemicals



AMAZING NEW
CONCEPT IN
Cooking



FREE
SPATULA
WITH EACH
"HAPPY PAN"

THING STICKS TO
HAPPY PAN

at iron skillet sealed with DuPont TEFLON®

From Mitchell Center, Univ. of ME, PFAS project
presentations, April 4 2022,
<https://www.youtube.com/watch?v=zB9879XlswA>

In the news...

NEWS CENTER
MAINE

News Weather 207 Connect Watch

VACCINE INFO PROJECT HEAT CLOSINGS AND DELAYS WASH CLOSING REGISTRATIC

HEALTH

High PFOS levels detected on Maine farm, Maine milk supply deemed safe

DACF says Maine's retail milk supply continues to be safe for consumption, as 19 of the 20 samples tested were below the laboratory's reporting limit of 25 ppt.



://www.newscentermaine.com

<https://www.newscentermaine.com/article/news/health/high-pfos-levels-detected-on-maine-farm-maine-milk-supply-deemed-safe/>

PFAS

February 19, 2019

Groundwater contamination devastates a New Mexico dairy – and threatens public health

By Amy Linn, Searchlight New Mexico



<https://nmpoliticalreport.com/2019/02/19/groundwater-contamination-devastates-a-new-mexico-dairy-and-threatens-public-health/>

In the ne



- MI – beef advisory:
<https://www.michigan.gov/mienviroment/0,9349,7-385-93395-576530--,00.html>
- Potatoes seem not to be affected:
<https://bangordailynews.com/2022/04/04/news/aroostook/potatoes-may-be-safer-from-pfas-than-other-crops-joam40zk0w/>

<https://www.newscentermaine.com/high-pfos-levels-detected-on-milk-supply-deemed-safe/>

Investigations

ALL SEWAGE SLUDGE recently tested by the Maine Department of Environmental Protection was contaminated with PFAS chemicals, according to documents obtained by The Intercept. The state tested the sludge, solid waste that remains after the treatment of domestic and industrial water, for the presence of three "forever chemicals": PFOA, PFOS, and PFBS. Of 44 samples taken from Maine farms and other facilities that distribute compost made from the sludge, all contained at least one of the PFAS chemicals. In all but two of the samples, the chemicals exceeded safety thresholds for sludge that Maine set early last year.



[groundwater-
y-and-threatens-public-](#)

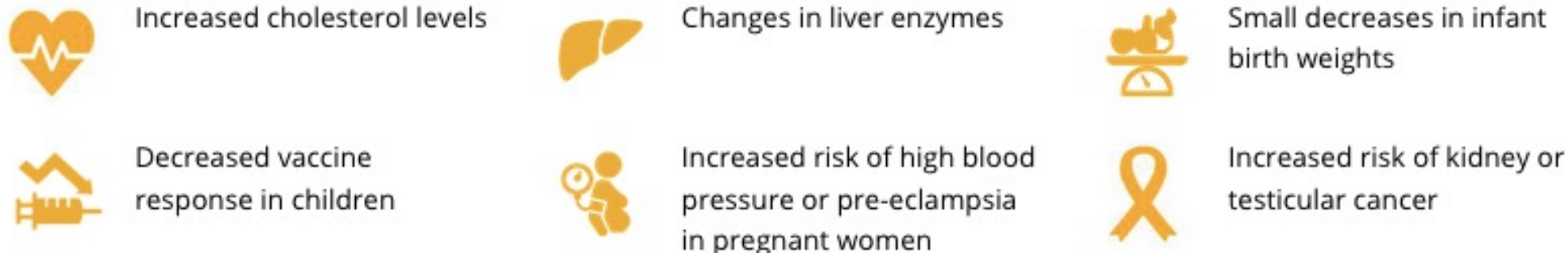
Many unknowns; research ongoing.

- Exposure for most of us is through use of consumer products (e.g. food packaging, textiles, lubricants, etc.).
- FDA testing shows little current concern for overall food quality.
- Concern if drinking water and food are contaminated at high levels because of nearby industry or fire-fighting activity, etc.
- Fate in soil: long-chain PFAS migrate less than short-chain
- Plant uptake: not likely in corn; some in grass
Seems minimal in vegetables, except leafy greens
- Precursors play important role & evolve over time

Health impacts – some risk, but uncertainty

<https://www.atsdr.cdc.gov/pfas/health-effects/index.html>

A large number of studies have examined possible relationships between levels of per- and polyfluoroalkyl substances (PFAS) in blood and harmful health effects in people. However, not all of these studies involved the same groups of people, the same type of exposure, or the same PFAS. These different studies therefore reported a variety of health outcomes. Research involving humans suggests that high levels of certain PFAS **may** lead to the following:



At this time, scientists are still learning about the health effects of exposures to mixtures of different PFAS.

One way to learn about whether PFAS will harm people is to do studies on lab animals.

- Most of these studies have tested doses of PFAS that are higher than levels found in the environment.
- These animal studies have found that PFAS can cause damage to the liver and the immune system.
- PFAS have also caused birth defects, delayed development, and newborn deaths in lab animals.

Humans and animals react differently to PFAS, and not all effects observed in animals may occur in humans. Scientists have ways to estimate how the exposure and effects in animals compare to what they would be in humans.

Additional research may change our understanding of the relationship between exposure to PFAS and human health effects.

Wide variations in regulatory reactions

AWWA analysis: “Despite little change in toxicological studies, endpoint health reference levels and established regulatory thresholds are vastly different depending on location.” –*Alfredo et al., 2021*

Received: 31 March 2021 | Revised: 16 July 2021 | Accepted: 23 August 2021
DOI: 10.1002/aws2.1240



EMERGING CONTAMINANT ARTICLE

TOPICAL COLLECTION ON PFAS ANALYTICS AND TREATMENT

Does regulating per- and polyfluoroalkyl substances represent a meaningful opportunity for health risk reduction?

Katherine Alfredo¹ | Chad Seidel² | Amlan Ghosh³

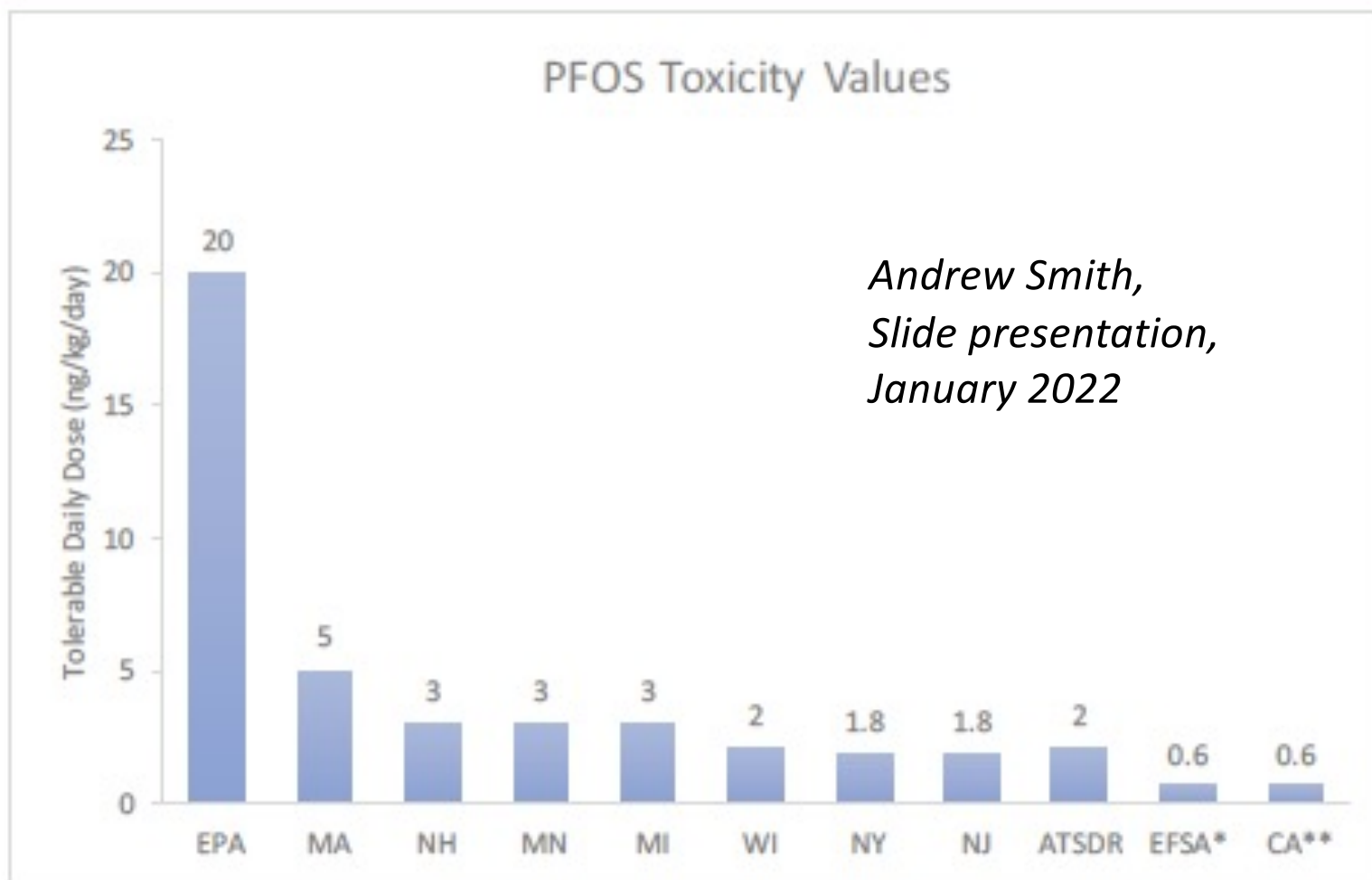
¹Department of Civil and Environmental Engineering, University of South Florida, Tampa, Florida, USA

²Corona Environmental Consulting, Louisville, Colorado, USA

Abstract

US Environmental Protection Agency's drinking water contaminant regulations must meet a qualitative “meaningful opportunity” threshold in health risk reduction. Using our Relative Health Indicator (RHI) metric, we quantify

Changing thinking on the toxicity of PFAS



*Andrew Smith,
Slide presentation,
January 2022*

EFSA* - Human data, immune system toxicity, sum of PFOA, PFOS, PFNA, PFHxS

CA** - Human data, changes in cholesterol, proposed

THERE ARE 2 MAJOR SOURCES OF PFAS IN THE ENVIRONMENT:

- industrial discharges
- fire-fighting (including training, e.g. at military sites)

These cause 1,000s to 1,000,000s+ of ppt in waters.

EPA reaches new C8 deal with DuPont

on January 16, 2017 at 4:54 pm



The Washington Works DuPont plant in Parkersburg, West Virginia, on Wednesday, August 5, 2015. Photo: Maddie McGarvey for The Intercept/Investigative Fund



PMLVideos

**1 ppt = 1 ng/L = 1 ng/kg =
1 second in 31,700 years.**

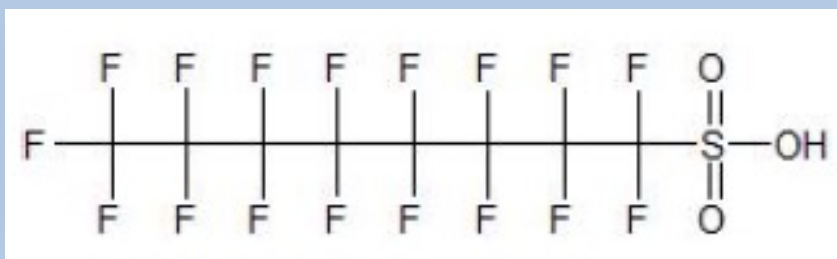
PFAS contamination at industrial site...

Example:

Wolverine Worldwide Kent County tannery dump sites,
Rockford, MI

-Highest concentration is **76,000 PPT** (PFOA+PFOS)

Suspected source: This area consists of a former licensed disposal facility owned and operated by Wolverine... and several unregulated dump sites across three townships in northern Kent County.



<https://www.ewg.org/research/update-mapping-expanding-pfas-crisis>

...AND THEN THERE IS AMBIENT BACKGROUND PFAS,...



...including most wastewater and biosolids and other residuals (e.g. food waste compost, paper mill residuals), septic (onsite) systems, solid waste management activities – these are all receivers of PFAS, not original sources.

When any of these are recycled, the background PFAS go with them.

These may cause 10s to 100s of ppt in waters.

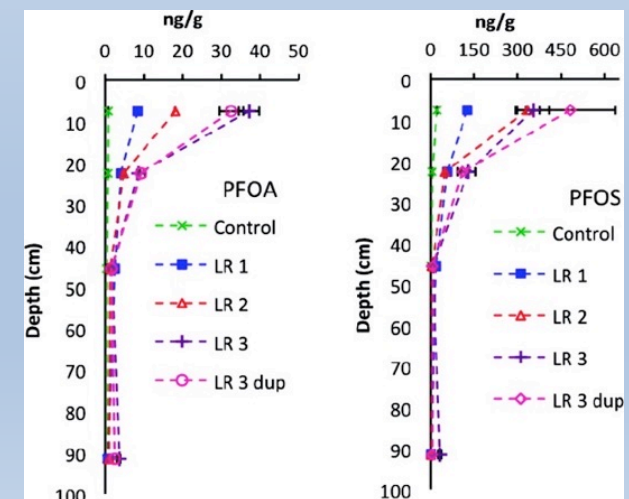
Background PFAS are in wastewater/biosolids/composts because they reflect modern life.

- Even small-town wastewater & composts have PFAS, because PFAS comes from common products.
- We are more aware now because of advances in analytical chemistry.



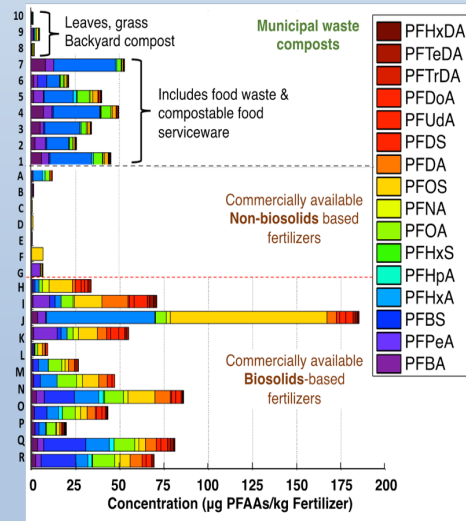
What are the concerns when biosolids & composts are applied?

1. Leaching to groundwater, causing impacts to human & animal drinking water
2. Some risk of plant uptake in some crops (e.g. hay, leafy greens, but not corn)
3. There may be other sources of PFAS on farms: firefighting foam, past chemicals (surfactants), cleaners, waxes..., but manufacturer secrecy makes it hard to know. Biosolids are probably largest source in most cases.



Sepulvado et al; Environ. Sci. Technol. 2011, 45, 8106-8112

Data & details matter.



Measuring & talking about PFAS

In waters: in parts per trillion

1 ppt = 1 second in ~32,000 years

In soils/solids: in parts per billion

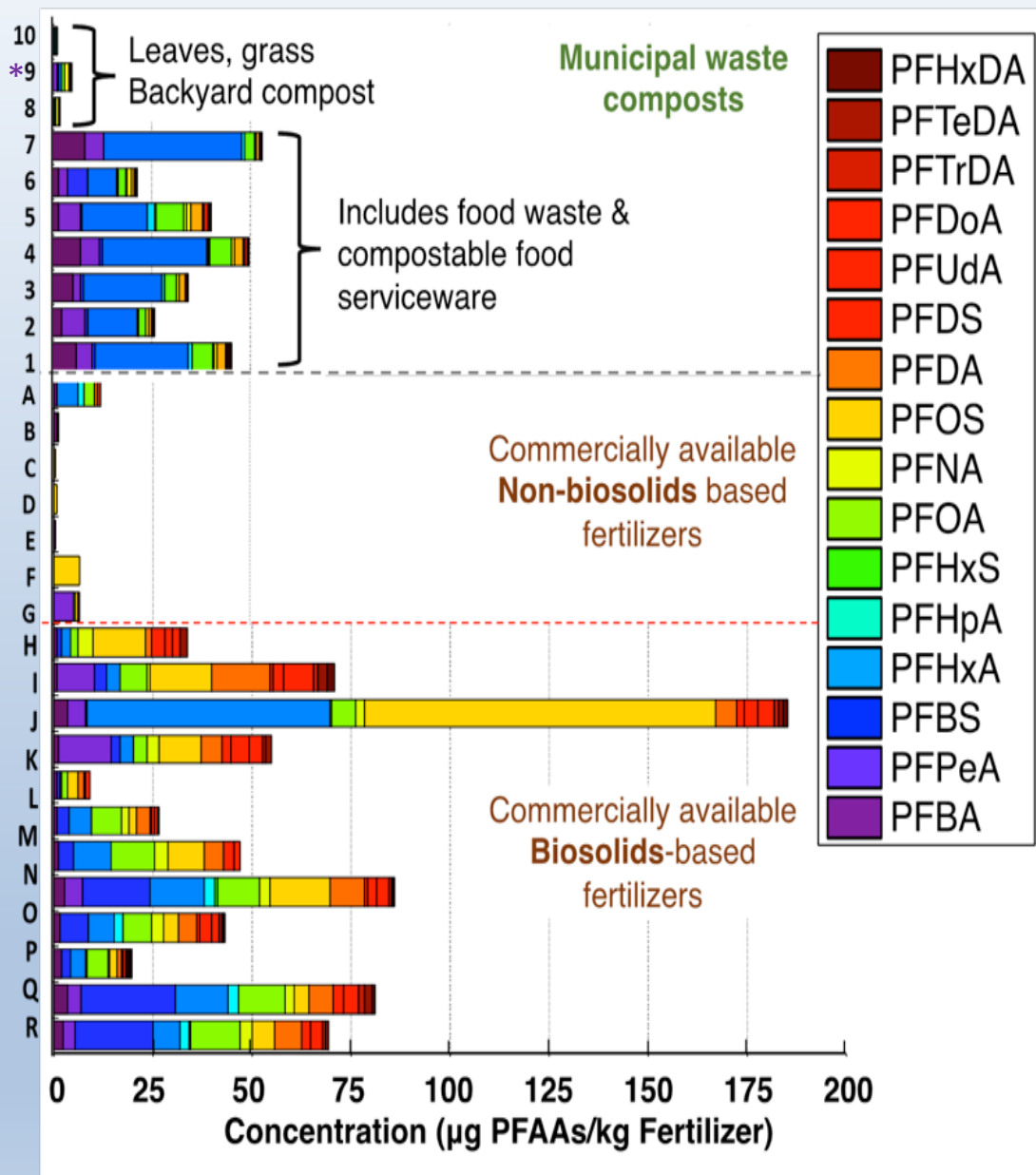
1 ppb = 1 second in 32 years

Limited analytical methods:

- EPA Method 537/537.1 (& 533) – for drinking water only
- EPA Method 8327, for non-drinking water, direct injection
- Draft EPA Method 1633 (with DoD) for solids & non-drinking water, using isotope dilution
- Others in development stages

<https://www.epa.gov/water-research/pfas-analytical-methods-development-and-sampling-research>

PFAS in Biosolids-based products & composts



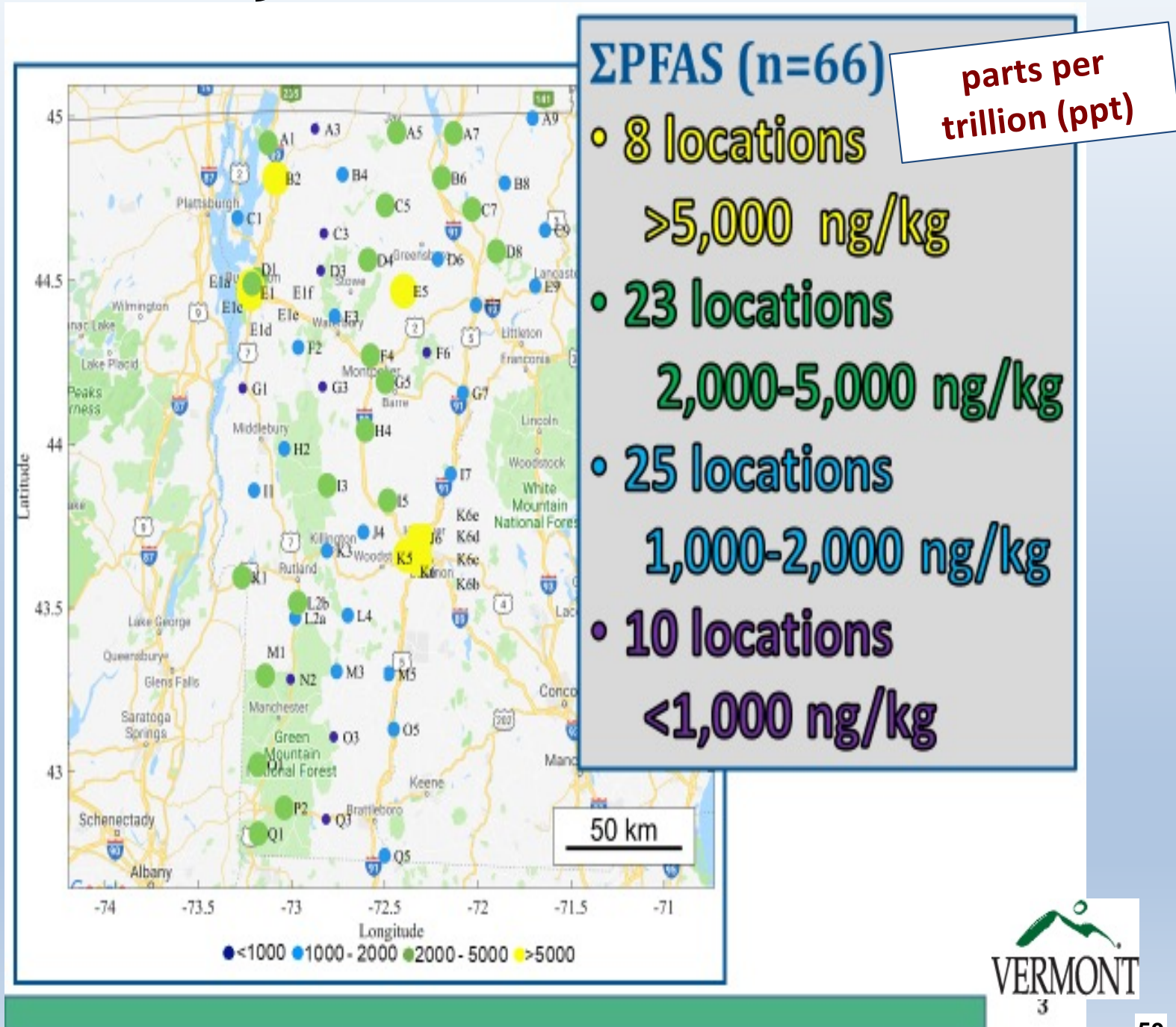
- Higher PFAA loads in biosolids-based products
- Range for the biosolid-based products: 30 – 185 $\mu\text{g/kg}$ (ppb)
- Longer chains ($\text{CF}_n \geq 6$) dominant in 2014 biosolid-based products versus $\text{CF}_n \leq 6$ in 2017 food waste composts
- Higher [PFAA] in food waste composts with compostable food packaging (#1-7)
- * #9 included food wastes, coffee grounds, unbleached coffee filters
- Background levels include atmospheric deposition, contaminated water.

PFAS are widely found.... In soils:

Study for
VT DEC 2018

PFAS measured
in randomly-
selected sites
with no
obvious PFAS
sources.

PFOS found in
every sample



Biosolids not industrially-impacted: Maine

Biosolids-Amended Soil Sampling Data Maine, 2019

29 fields, 1 sample each, multiple years of biosolids application
ug/kg (ppb)

Biosolids = typical, not-industrially impacted

	Mean	Maximum	Minimum	ME DEP Screening #
PFOA	3.06	12.90	1.05	2.5
PFOS	8.76	20.90	2.13	5.2

Slide courtesy of Northern Tilth



Industrially-impacted biosolids farm...

Wisconsin

- April 15, 2020: PFAS found in 7 of 98 drinking water wells near Marinette, WI where industrially-impacted biosolids were applied...
- But...
only 1 result is above EPA health advisory (70 ppt):

- <https://www.wbay.com/content/news/More-wells-in-Marinette-County-test-positive-for-elevated-levels-of-PFAS--569683041.html>
Milwaukee Journal Sentinel: <https://www.jsonline.com/story/news/local/wisconsin/2020/04/14/forever-chemicals-johnson-controls-ordered-deliver-more-homes/2989330001/>
Wisconsin Public Radio: <https://www.wpr.org/listen/1625136>
Wisconsin DNR info: <https://dnr.wi.gov/topic/Contaminants/Marinette.html>

EPA PFAS Soil Clean-up Screening Numbers (RSLs)

May 2022

Analyte	U. S. EPA RSLs					
	Target Health Quot. = 0.1* (ppb, except tapwater)					
	Resident soil: child dermal contact	Resident soil: child ingestion	Resident Soil ug/kg (ppb)	Industrial Soil ug/kg (ppb)	Tapwater ng/L (ppt)	Groundwater Protection Risk- based soil SL (ug/kg)
~Hexafluoropropylene oxide dimer acid (HFPO-DA) – (GEN-X)		23	23	350	6	
~Perfluorobutanesulfonic acid (PFBS)	9,900	2,300	1,900	25,000	600	0.1900
~Perfluorohexanesulfonic acid (PFHxS)	660	160	130	1,600	39	0.0170
~Perfluorononanoic acid (PFNA)	99	23	19	250	6	0.0250
~Perfluorooctanesulfonic acid (PFOS)	66	16	13	160	4	0.0038
~Perfluorooctanoic acid (PFOA)	99	23	19	250	6	0.0910
~Potassium perfluorobutanesulfonate	9,900	2,300	1,900	25,000	600	0.3000
~Potassium perfluorooctanesulfonate	66	16	13	160	4	

* THQ = 0.1 is used in site clean-up when it is expected that multiple similar chemicals are present, creating an add-on impact. THQ = 1.0 numbers are 10 times higher and would be used if the chemical is thought to be alone.

So, what happened in Maine?

A really unfortunate story of an anomalous industrially-impacted biosolids mixed with political pressures.

<https://www.washingtonpost.com/nation/2022/04/11/pfas-forever-chemicals-maine-farm/>

Farms receiving industrially-impacted biosolids

PFOS – a legacy issue - is what stands out...

- **Maine Stoneridge Farm, 2017:**
 - Soil – PFOS stands out at high level, up to 878 ppb
 - Milk – 176 – 1,420 ppt (but PFOA = ND); likely from soil ingestion, some plant uptake?
- **2nd Maine Farm, 2020:**
 - Soil – hundreds of ppb Hay – some PFOS uptake Corn - minimal
 - Milk – up to 32,000 ppt (!) - likely from industrially-impacted biosolids and possible industrial residuals applied in the 1980s – 1990s

For comparison: other New England farms using typical biosolids for many years:

- Soil: <10 ppb PFOS
- Milk <100 ppt, compared to ME conservative standard of 210 ppb

Other Maine farms impacted by same industrial discharge as Farm #2, into WRRF & land application in 1980s, 1990s

- Albion organic dairy where biosolids applied decades ago:
 - Soil not too high: ~30 ppb
 - Forage grown on this farm: minimal PFAS levels
 - But Unity farm hay (round bales) fed to cows on this farm: 45 ppb
 - Milk: 1,690 - 2000 ppt (ME screening level = 210 ppt)
- Albion vegetable farm / CSA
 - Irrigation water: ~9,000 ppt (ME groundwater = 20 ppt, sum of 6 PFAS)
 - Drinking water: ~800 ppt (ME groundwater = 20 ppt, sum of 6 PFAS)
 - Soils <10s ppb
 - Microgreens: 10 ppb
- PFOS is greatest issue, again.

Maine DACF PFAS webpage (<https://www.maine.gov/dacf/ag/pfas/index.shtml>)

**Maine
milk is
safe.**

<https://www.maine.gov/dacf/ag/pfas/index.shtml>

PFAS Round Two Retail Milk Testing Results 2020, Vista Labs (ND= Not Detected)
Samples of Maine milk processed either: 1) in-state or 2) out-of-state (but sold in Maine)

Sample Number	Sample Date	State in Which Milk was Processed	PFOS Results with Reporting Limit at 25ng/L Method Detection Limit 5.04 ng/L	PFHxS Results with Reporting Limit at 25ng/L Method Detection Limit 5.92 ng/L	PFOA Results with Reporting Limit at 25ng/L Method Detection Limit 4.07 ng/L	8:2 FTS Results with Reporting Limit at 25ng/L Method Detection Limit 12.9 ng/L
1	2/10/2020	ME	10.1 J	21.3 J, Q	ND	ND
1-retest	4/01/2020		ND	ND	4.95 J	ND
2	2/10/2020	ME	10.8 J, Q	10.7 J	ND	ND
3	2/10/2020	ME	65.7 Q	ND	ND	ND
3-retest	4/01/2020		55.4	ND	6.06 J	22.6 J
4	2/10/2020	ME	ND	ND	ND	ND
5	2/10/2020	ME	5.55 J, Q	ND	ND	ND
6	2/11/2020	ME	ND	ND	ND	ND
7	2/10/2020	ME	11.9 J, Q	11.3 J	ND	ND
8	2/11/2020	ME	9.02 J, Q	9.50 J, Q	ND	ND
9	2/12/2020	ME	12.2 J, Q	11.0 J	ND	ND
10	2/10/2020	NY	ND	ND	ND	ND
11	2/10/2020	NH	ND	ND	ND	ND
12	2/10/2020	MA	ND	ND	ND	ND
13	2/10/2020	MA	26.7 Q	ND	ND	ND
13-retest	4/01/2020		24.6 J,Q	ND	ND	ND
14	2/11/2020	ME	ND	ND	ND	ND
15	2/11/2020	ME	ND	ND	ND	ND
16	2/10/2020	ME	8.72 J, Q	ND	ND	ND
17	2/10/2020	ME	ND	ND	ND	ND
18	2/18/2020	VA	ND	ND	6.27 J	ND
19	2/18/2020	VA	ND	10.9 J	5.55 J	ND
20	2/18/2020	NY	ND	11.6 J, Q	ND	ND

J Result qualified by the laboratory as detected below the laboratory reporting limit.

Q Results further qualified by the laboratory as not meeting laboratory analytical criterion.

Maine ban is like using a chain saw for surgery to remove an abcess.

Product Testing PFAS Results 2022

Sampled by Katahdin Analytic Services, Scarborough, ME

Sample Type		Lab	Sample Date	T.S. (%)	PFOS (ng/g)	PFOA (ng/g)	PFHpA (ng/g)	PFNA (ng/g)	PFDA (ng/g)	PFHxS (ng/g)	Other PFAS?
Commercial Organic Products											
Seafood Compost		Eurofins LLE	3/16/2022	56.7							Yes
Seafood Compost		Eurofins LLE	3/16/2022	65.9	0.35J						Yes
Seafood Compost - nothing detected		Eurofins LLE	3/16/2022	23.5							No
Leaf & Yard Waste Compost		Eurofins LLE	3/16/2022	65	0.78J	0.46J			0.32J		Yes
Seafood Compost		Eurofins LLE	3/16/2022	45.5	0.90J	0.63J					Yes
Commercial Fertilizer - nothing detected		Eurofins LLE	3/16/2022	88.1							No
Bone Meal		Eurofins LLE	3/16/2022	93.3	0.81						No
Organic Fertilizer		Eurofins LLE	3/16/2022	92.1	15cn						No
Organic Fertilizer		Eurofins LLE	3/16/2022	98.6	0.41J		0.34J				Yes
Liquid Organic Fertilizer		Eurofins LLE	3/16/2022	21.4	4.6cn	0.96Jcn		3.0cn	2.0Jcn		Yes
Dried Hen Manure		Eurofins LLE	3/16/2022	88.9	33cn						No
Hen Manure, Fresh		Eurofins LLE	3/16/2022	32.6	1.4J						Yes
Food Waste Compost		Eurofins LLE	3/17/2022	57	0.83J	4.1	0.76J	0.47J	1.9		Yes
Food Waste Compost		Eurofins LLE	3/17/2022	45.4		5.2	0.93J		1.6		Yes

cn - Refer to Case Narrative for further detail

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

I - Value is EMPC (estimated maximum possible concentration).

Method PFC_IDA: The recovery for the labeled isotope(s) in the following sample(s): FERT-GT (410-76696-8) and FERT-DHM (410-76696-11) is outside the QC acceptance limits. Since the recovery is high and the native analyte(s) is not detected in the sample, the data is reported.

Method PFC_IDA: The sample injection standard peak areas in the following sample: FERT-NHL (410-76696-10) is outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample. The recovery for the labeled isotope(s) in the following sample(s): FERT-NHL (410-76696-10) is outside the QC acceptance limits. Since the recovery is high and the native analyte(s) is not detected in the sample, the data is reported.

*From McBurnie, Casella
Organics, letter to ME DEP
Commissioner, April 2022*

Maine is spending \$millions

PFAS Staffing and Funding

- 11 NEW Full Time Equivalents; 6 NEW Limited Period Positions
- Several existing staff also still working on PFAS; impacting other programs
- \$20M from General Fund for the sampling, treatment, remediation, and monitoring of PFAS
- \$5M from Maine Jobs and Recovery Plan* (still working on obtaining this!)
- Additional Infrastructure money may become available relating to remediation of PFAS in drinking water and wastewater *



January
2022 Maine
State Agency
PFAS Update
<https://www.youtube.com/watch?v=EjmPicZT-uk>



How to proceed?

Uncertainty in the biosolids &
compost marketplace is
disconcerting.

MICHIGAN shows how to address PFAS in biosolids:

FOCUS ON INDUSTRIAL SOURCE CONTROLS / PRETREATMENT

- PFAS source control upstream of wastewater plants has reduced PFAS levels 90+% in biosolids.
- Smart focus on source control & pretreatment = biggest risk reduction for the cost. Good INTERIM STRATEGY.
- Collaborative effort of Michigan EGLE & MPART (ag dept.), et al.

NEBRA coverage:

<https://www.nebiosolids.org/michigan-shows-effective-approach-to-pfas-in-wastewater-biosolids>

Michigan EGLE:

https://www.michigan.gov/pfasresponse/0,9038,7-365-88059_91299---,00.html

Municipal WWTP	PFOS, Effluent (ppt, most recent**)	PFOS Reduction in Effluent (highest to most recent)	Actions Taken to Reduce PFOS
Ionia WWTP*	<14.96	99%	Treatment (GAC) at source (1)
Lapeer*	20	99%	Treatment (GAC) at source (1)
Wixom*	36	99%	Treatment (GAC) at source (1)
Howell	6	95%	Treatment (GAC/resin) at source (1)
Bronson*	13	96%	Treatment (GAC) at source (1)
Kalamazoo	3.1	92%	Treatment (GAC) at source (2), change water supply
K.I. Sawyer*	18	83%	Eliminated leak PFOS-containing fire-fighting foam
GLWA (Detroit)	5.7	62%	Treatment (GAC) at sources (8)
Belding	7.2	49%	Restricted landfill leachate quantity accepted

**as of October 15, 2019

*Effluent exceeds WQS of 12 ng/L or ppt

Concerns

- Where PFAS regulatory numbers & expectations are set will determine whether biosolids and composts are accepted.
- Options for PFAS destruction: not practical or cost-effective, except possibly gasification/pyrolysis, HTL. And it makes little sense to treat at the "end of the pipe."
- Will AD & composting investments be stranded?
- What would we do with organics? Non-food-chain uses perhaps? Forestry? Concrete?
- Maine is slowly phasing out PFAS in consumer products by 2030 – and that is where our exposure is greatest; meanwhile biosolids were banned immediately, although the risk from them is much lower.

What To Do?



This is not an immediate dire health threat.

Unfortunately, you and all of us have had PFAS in us for years or decades. Any health impacts to long-term, low-level exposures are subtle and chronic. Some PFAS (PFOA & PFOS) have declined in us, because of phase-outs in products. So it does go away if we reduce exposures. Take thoughtful steps to reduce exposures and any potential risks:

- 1. Evaluate and reduce exposure sources in your life:** consumer products (carpets, furniture, waxes, cleaning products, dust, food, water). Know the level in your drinking water and treat or find different source if necessary. Avoid food packaging and other products that may contain PFAS.
- 2. If you are worried, test soil and possibly hay, leafy greens, etc.** (corn seems to have little uptake) and/or milk or other farm products – for peace of mind.
- 3. If elevated levels are found** (rare situations with industrial or firefighting foam impacts), adjusting management practices can help reduce risk. Consult with experts – Extension, USDA programs, etc.

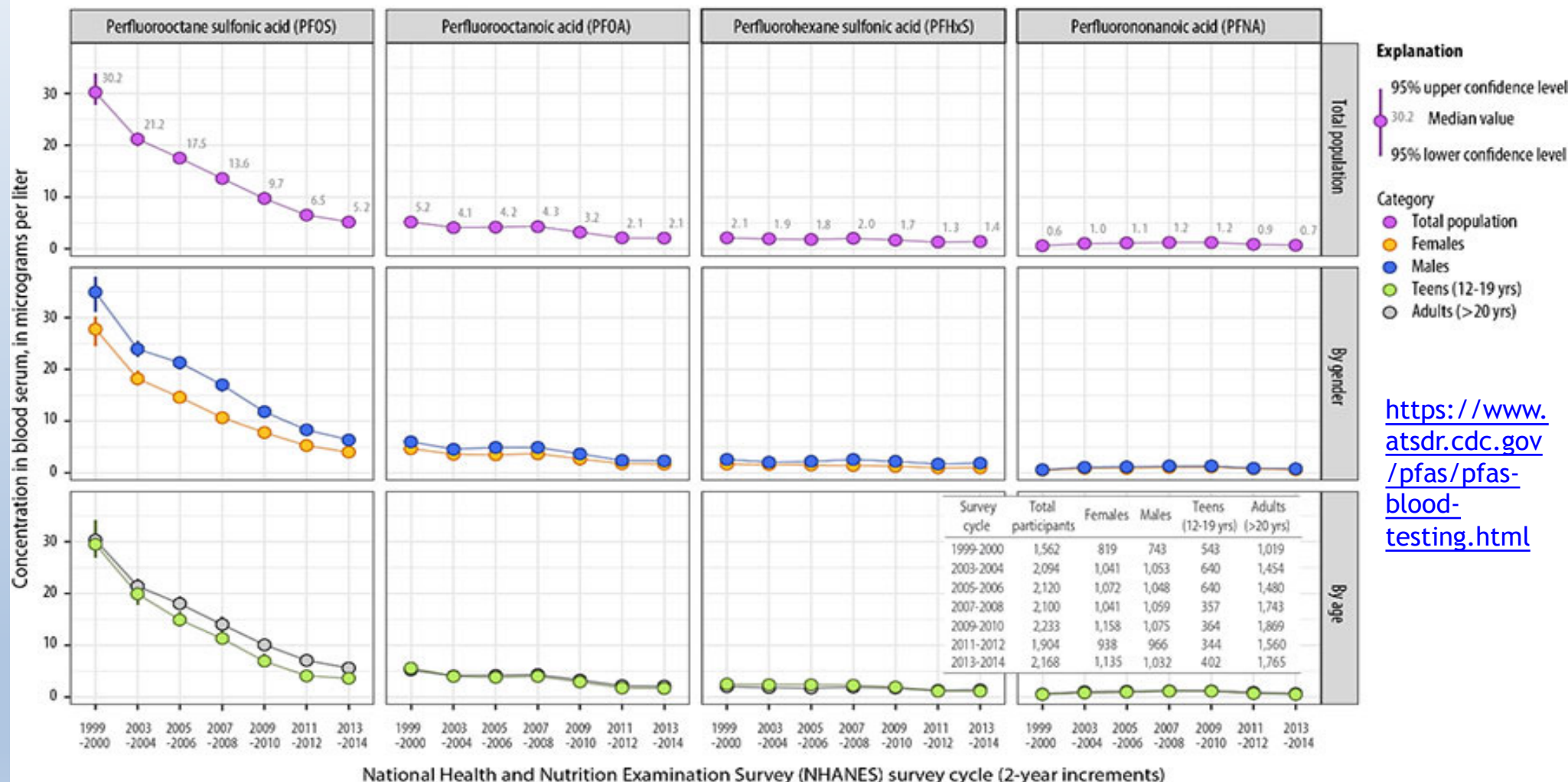
Summary

Research and experience about PFAS in typical modern biosolids and septage shows:

- There is no significant PFAS risk from applying, touching, ingesting, or inhaling biosolids and septage.
- Sites that have, for decades, received typical biosolids (that reflect PFAS use in our daily lives and have not been industrially impacted) have measurable levels of PFAS in the soil - levels that are somewhat higher than background PFAS soil levels. But they present minimal risk to soil health, groundwater, and plant quality.
- Limited data show no significant impacts on the quality of farm products from PFAS at typical, multi-year biosolids application sites.
- However, there are a few cases where industrially-impacted biosolids & other residuals have caused impacts above regulatory limits resulting in harm to farm businesses.
- If regulatory limits are even lower, as in Maine, then many activities might be impacting groundwater, etc., such as septic systems, small businesses, etc.

Phasing out PFAS use is the best solution long-term.

Median concentration of selected per- and polyfluoroalkyl substances (PFAS) in blood serum (1999-2014) in the United States



<https://www.atsdr.cdc.gov/pfas/pfas-blood-testing.html>

Data source: Centers for Disease Control and Prevention. Fourth Report on Human Exposure to Environmental Chemicals, Updated Tables, (January 2017). Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. <https://www.cdc.gov/exposurereport/>.

Note: In January 2006, the eight major PFAS manufacturing companies in the U.S. voluntarily committed to a 95% reduction of emissions and product content for PFOA and selected related PFAS species by 2010 and a complete elimination of these chemicals from emissions and products by 2015 (USEPA. 2010/2015 PFOA Stewardship Program). The major US producer of PFOS phased out production of PFOS precursors by 2002 (Prevedouros et al. ES&T 2006, 40:32-44).

Thank you.

Ned Beecher
Independent Consultant (formerly
with NEBRA)

ned.beecher@gmail.com

603-387-7869



Biosolids
compost for my
raspberries...
I still use it,
knowing it has
PFAS in it. I
believe the
benefits
outweigh risks :)

More Resources:

PFAS & Biosolids: <https://www.nebiosolids.org/pfas-biosolids>

Summary article in *Country Folks*:

<https://countryfolks.com/pfas-and-agriculture-what-it-means/>

“We can never get to zero...”

<https://www.wastedive.com/news/pfas-chemicals-organics-recycling-compost-biosolids/587044/>

Slides adapted from NEBRA presentations. Thanks to



Acknowledgements & Sources of NEBRA PFAS slides

Inclusion on this list does not imply endorsement.

Views expressed are those of the presenter & NEBRA only.

- Linda Lee and Rooney Kim Lazcano, Purdue University
 - Stephen Zemba and Harrison Roakes, Sanborn Head Assocs.
 - Sarita Croce, Merrimack, NH
 - Shelagh Connelly and Charley Hanson, Resource Management, Inc.
 - Jeff McBurnie, Casella Organics
 - Lawrence Zintek, U. S. EPA Region 5
 - Andrew Carpenter and Leigh Dorsey, Northern Tilth
- And many others (apologies for any omissions):*

- Sally Brown, Univ. of WA
- NH DES staff- esp. R. Gordon, A. Drouin
- VT DEC staff - esp. Eamon Twohig
- Mike Person, MI DEQ
- Mark Russell, formerly Chemours
- ME DEP staff- K. Malinowski, C. Hopkins
- Layne Baroldi, Synagro
- Sally Rowland, NY DEC
- Barbara Reid, NH Municipal Association
- Lakhwinder Hundal, formerly Chicago WRRF

- Jennifer Palmiotto, GS Rural Water (NH)
- Rufus Chaney, USDA (retired)
- Scott Firmin, Portland Water District
- Ed Topp, Agriculture & Agrifood Canada
- Charles Neslund, Eurofins
- Matt Berg & Sherri van der Wege, WEAT
- Tiffany Skogstrom, Mass EEEA

AND many organizations across North America who funded NEBRA's PFAS work in 2018 - 2020.

THANK YOU!





**Stain- & water-
resistance
treatments**



**Nonstick
cookware**



**Waterproof
apparel**



**Cleaning
products**



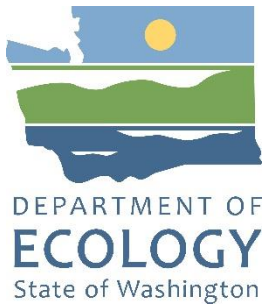
**Firefighting
foam**



**Takeout
containers**



**Carpets &
textiles**



PFAS and Organics

Mary Harrington
Organic Materials Management Lead

PFAS Technical Definition

From RCW 70A.222.010:

"Perfluoroalkyl and polyfluoroalkyl substances" or "PFAS chemicals" means, for the purposes of food packaging, a class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom.

In plain talk, it's a chemical that resists heat, oil, stains, and water. Due to the strong molecular bond, it is very hard to break down so is considered a "forever" chemical and is "persistent" in the environment.

Washington's PFAS Chemical Action Plan

- Identifying products that contain PFAS
- Research into safer alternative products
- Doing environmental assessments
- Strengthening community relationships
- Identifying public health impacts
- Supporting safe drinking water
- Safer options for fresh food packaging
- Establishing clean-up standards for water and soil
- Reducing PFAS releases to the environment
- Studying impacts of PFAS on landfills, biosolids, compost



Per- and Polyfluoroalkyl Substances
Chemical Action Plan

Hazardous Waste and Toxics Reduction Program

Washington State Department of Ecology
Olympia, Washington

November 2021, Publication 21-04-048

- From 2018 – 2022 a series of reports and recommendations published

Firefighting Foam

- Main concern: Contaminating drinking water sources
- 2018: RCW 70A.400 - firefighting foam and PPE changes
- Reducing impacts of PFAS containing firefighting foam:
 - Implementing contained firefighting foam testing at airports
 - Fire departments participate in firefighting foam disposal program

Clean Production Action has reviewed foams, their list can be found here

- <https://www.greenscreenchemicals.org/certified/products/category/firefighting>
- Ecology has not tested the products on this list, but staff do share the list with fire departments

PFAS and Food packaging

- FDA approves PFAS coating in food packaging in 1967
- WA efforts to improve diversion from landfill disposal takes hold in the 1990's
 - Organics diversion programs (COMPOSTING!) grow
 - Push to send paper products, including food packaging, to the composter gains traction
- PFAS in packaging identified as problematic
- 2018: RCW 70A.222 – food packaging changes

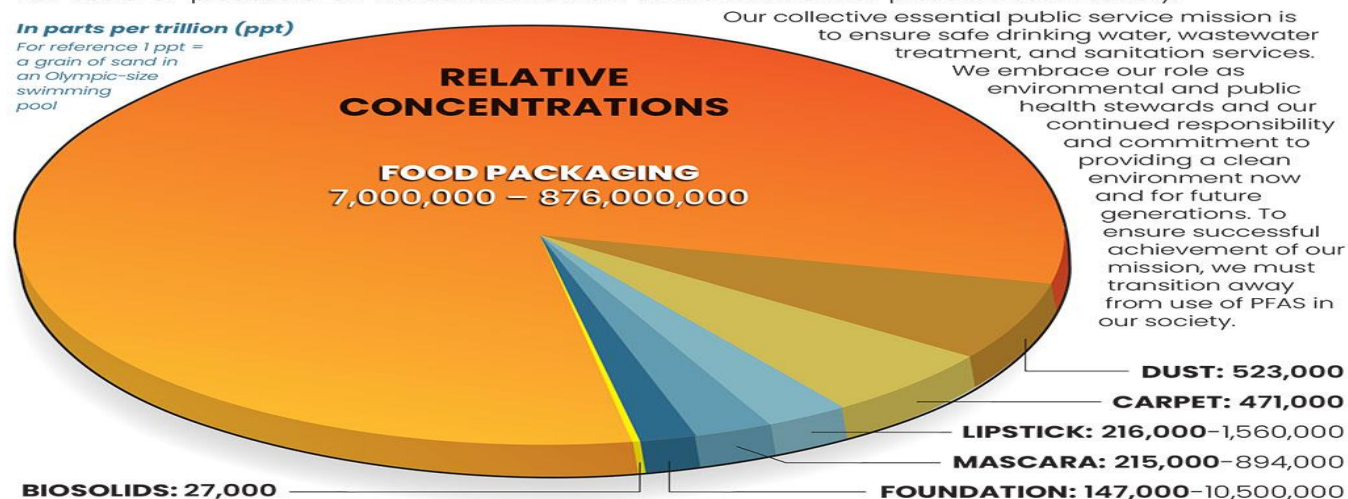
Graphic Courtesy California Association of Sanitation Agencies

PFAS BY THE NUMBERS

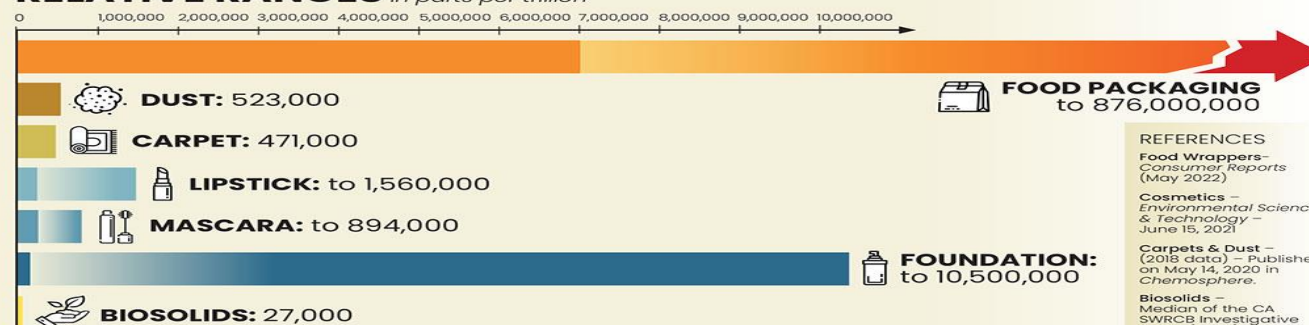
Per and polyfluoroalkyl substances (PFAS) are a group of manmade fluorinated compounds that have been in commercial use since the 1940's and are abundant in today's society. These chemicals are widely used for their resistance to heat, water, and oil. PFAS are found in every American household, and in products as shown in the pie chart with typical concentrations. Entities providing essential public services such as safe drinking water, wastewater treatment, water recycling, biosolids recycling, and municipal solid waste management are not "users" or "producers" of PFAS but receive them as a function of their prevalent use in society.

In parts per trillion (ppt)

For reference 1 ppt =
a grain of sand in
an Olympic-size
swimming
pool



RELATIVE RANGES in parts per trillion



WA Actions to Reduce PFAS in Packaging

- RCW 70A.222 “Packages Containing Metals and Toxic Chemicals” amended in 2018 and 2020
 - Definition for PFAS added
 - Updated Certificate of Compliance from manufacturers
 - Beginning in 2022, allows Ecology to prohibit sale of packaging if alternatives are identified
 - Alternatives for some food packaging have been identified

Food Packaging Alternatives

- Focus on fresh food packaging:
 - The following food package types have safer alternatives:
 - * Food contact paper: Wraps & liners; Bags & sleeves.
 - * Dinnerware: Plates; Bowls; Food boats; Flat serveware
 - * Take-out Containers: Pizza boxes; French fry cartons; Clamshells; Interlocking folded containers (also called food cartons or food pails).

Ecology used assessment modules (hazard, exposure, performance, cost and availability) to identify safer alternatives

* NOTE: end-of-life management is not considered



**Per- and Polyfluoroalkyl Substances
Chemical Action Plan**

Hazardous Waste and Toxics Reduction Program

Washington State Department of Ecology

Olympia, Washington

November 2021, Publication 21-04-048

PFAS in Biosolids

No known industrial PFAS production in WA (discharge by secondary manufacturing using PFAS may occur); impacts to biosolids primarily from homes via consumer products

Reducing PFAS in consumer products will lower PFAS concentrations in biosolids.

“Worldwide monitoring data show that PFOA and PFOS concentrations in biosolids are trending downward, likely due to less production of the compounds.”

At this time, there are no tests for determining PFAS in Washington’s biosolids. (EPA has evaluated a test it developed in 2021, now recommend inclusion in NPDES lists)

CAP recommendations include establishing biosolids and soil sampling and handling methods for PFAS analysis.

PFAS Impacts on Compost

- Current research suggests that plant uptake of PFAS is minimal, except in a few rare cases of soil with high PFAS due to industrial discharges. At this time, firefighting foam appears to be the main source of drinking water contamination in WA.
- No issues with inhalation, ingestion, or dermal contact of compost containing PFAS
- No national PFAS threshold identified for biosolids, compost, or soil

PFAS Impacts on Compost, continued

- Generally acknowledged that inclusion of food scraps, food packaging, and biosolids in composting operations will introduce PFAS
- PFAS may transfer to contact water at compost facilities
- “Adoption of extremely low regulatory limits for soil PFAS could have adverse consequences for organics and residual recycling, and may not provide demonstrated risk-reduction for human health and the environment.” [Appendix 8, in the 2021 Chemical Action Plan](#)

Safer Products for Washington

- Ecology and Department of Health are helping businesses transition away from toxic chemicals, including PFAS
- Publications available to help consumers make safer purchases
 - [Product Registry - Cradle to Cradle Products Innovation Institute \(c2ccertified.org\)](https://c2ccertified.org)
 - [Per- and Polyfluoroalkyl Substances Chemical Action Plan \(wa.gov\)](https://wa.gov)
 - [TCO Certified Product Finder](#)
 - [Search Products that Meet the Safer Choice Standard | US EPA](#)
 - [EWG Skin Deep® Cosmetics Database](#)
 - [Safer Alternatives to PFAS in Food Packaging \(wa.gov\)](https://wa.gov)
 - [Per- and Polyfluoroalkyl Substances in Food Packaging Alternatives Assessment \(wa.gov\)](https://wa.gov)
 - [Department of Ecology - Committees, Boards, and Workgroups \(wa.gov\)](https://wa.gov)
 - <https://www.greenscreenchemicals.org/certified/products/category/firefighting>

SUMMARY

- Many groups are working on reducing PFAS in the environment (there is a lot going on!)
- Testing has so far been focused on water, but soil tests are coming
- The Chemical Action Plan recommends establishing biosolids and soil collection and handling methods
- Reducing PFAS in personal care products has resulted in lower PFAS in biosolids
- Reducing PFAS in food packaging will reduce the presence in compost that was made using food packaging (and the food it held).

Contact Information



Mary Harrington

Organics Materials Management Lead

Solid Waste Management

Mary.Harrington@ecy.wa.gov

(360) 742-8233

QUESTIONS?



July 11, 2022

Steven Lederer
County of Napa-UVWMA
1195 3rd Street Ste. 101
Napa, CA 94559

RE: Notice of Mandatory Commercial Organics Recycling Program Implementation Gaps

Dear Mr. Lederer:

The Department of Resources Recycling and Recovery (CalRecycle) has determined the County of Napa-UVWMA is deficient in implementing and complying with Mandatory Commercial Organics Recycling (MORE), also known as AB 1826 (Statutes of 2014). As a result, CalRecycle is requesting the County submit an action plan by July 29, 2022. CalRecycle Local Assistance and Market Development (LAMD) staff discussed this with Amanda Griffis on May 5, 2022.

The following is a summary of program deficiencies needing to be addressed:

1. Mandatory Commercial Organics Recycling
 - A. The County implemented a MORE program; however, based on monitoring data, there is still a high level of noncompliance.

The County's action plan will need to address how the remaining regulated commercial businesses will reach compliance through collection service, self-hauling, or waiver no later than December 30, 2022. CalRecycle recognizes the County is also working diligently to implement the SB 1383 regulations and fully implementing mandatory commercial services for regulated businesses subject to MORE supports the County's implementation of the new regulations.

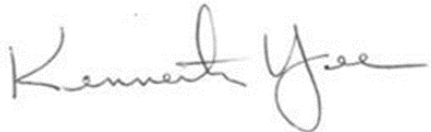
CalRecycle staff will review the County's submitted Plan and assess its adequacy. If there are any issues, CalRecycle staff will work with County staff to finalize the Plan for the August 16, 2022 public meeting.

1. If the County submits a Plan to adequately address the gaps as indicated in the public agenda item, LAMD staff will monitor implementation of Plan activities after the public meeting to ensure program gaps are fully addressed.
2. If the gaps are not adequately addressed, or a Plan is not submitted to address the program implementation gaps, this information will be presented at the public

meeting and the County will be notified and referred to the CalRecycle Enforcement Branch for additional compliance review.

We look forward to working with the County of Napa-UVWMA to address the program gaps. Should you have any questions regarding this letter, please contact Brianna Lara at Brianna.Lara@calrecycle.ca.gov (916) 323-0075, or her supervisor Karla Miller at Karla.Miller@calrecycle.ca.gov (916)327-8804.

Sincerely,

A handwritten signature in black ink that reads "Kenneth Yee". The signature is fluid and cursive, with the first name "Kenneth" and the last name "Yee" clearly distinguishable.

Kenneth Yee
Section Manager
Local Assistance and Market Development

MANDATORY COMMERCIAL ORGANICS RECYCLING (MORE/AB 1826) ACTION PLAN

Upper Valley Waste Management Agency - City of Calistoga, City of St Helena, Town of Yountville and a portion of the unincorporated areas of Napa County.

Formally submitted July 28, 2022 by Amanda Griffis, Upper Valley Waste Management Agency staff

Activity Details	Target Audience	Responsible Party	Frequency	Target Completion Date
Monitoring				
Identify covered generators subscribing to franchise hauler services	CalRecycle	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Annually	8/26/2022
Identify covered generators subscribing to franchise hauler services not complying	CalRecycle	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Annually	8/26/2022
Identify covered generators self hauling	CalRecycle	Upper Valley Waste Management Agency	Annually	11/30/2022
Identify covered generators self hauling that are not complying	CalRecycle	Upper Valley Waste Management Agency	Annually	11/30/2022
Education and Outreach				
Mail print letter to all commercial accounts with franchise hauler, which includes both multi family dwellings and businesses. Letter will be included with next commercial billing and newsletter, which goes out in the mail October 3, 2022	Covered Generators	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Annually	10/3/2022
Labels are printed and adhered to interior bins distributed to businesses and/or labels are provided to be adhered to existing interior bins at businesses who receive site visits and educational assistance from the agency/hauler. Labels are printed in various sizes to ensure proper sizing in proportion interior bin. Letter size PDFs of signs are emailed to interested businesses. Letter size handouts are provided at all site visits conducted by hauler and agency. Printable signs are available on hauler and Napa County website. All designs are updated as needed and/or each time they are printed. Signs can be customized upon request and/or need by covered business	Covered Generators	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Completed	Completed (samples included as Attachment A)
Develop and print self haul brochure, to be distributed at scale house at local landfill	Covered Generators	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Annually	10/31/2022
Mail print letter to all commercial account holders at local landfill	Covered Generators	Upper Valley Waste Management Agency	Annually	10/31/2022
Ensure hauler and jurisdiction websites contain current information, update when necessary	Covered Generators	Upper Valley Waste Management Agency	Monthly	Commencing 8/1/2022 through 12/30/2022

MANDATORY COMMERCIAL ORGANICS RECYCLING (MORE/AB 1826) ACTION PLAN

Upper Valley Waste Management Agency - City of Calistoga, City of St Helena, Town of Yountville and a portion of the unincorporated areas of Napa County.

Formally submitted July 28, 2022 by Amanda Griffis, Upper Valley Waste Management Agency staff

Activity Details	Target Audience	Responsible Party	Frequency	Target Completion Date
Follow-up with Non-Compliant Businesses and MFDs				
Individually email and/or phone non-complying commercial entities	Covered Generators	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Monthly	Commencing 8/1/2022 through 12/30/2022
Notify by print mail non-complying entities	Covered Generators	Upper Valley Waste Management Agency	Annually	9/30/2022
Organics Recycling Service for Covered Generators				
Ensure availability of on-site/curbside organics collection services	Covered Generators	Upper Valley Waste Management Agency	Annually	8/26/2022
Investigate with facility operators creation of options for drop-off organics collection services	Covered Generators	Upper Valley Waste Management Agency, Upper Valley Disposal & Recycling	Annually	10/31/2022
Reporting - Monitoring Updates for MORE				
Provide status update on progress with each activity: Education and Outreach, Follow up with non-compliant MORE covered generators	CalRecycle	Upper Valley Waste Management Agency	Monthly	Commencing 9/1/2022 through 12/1/2022
Provide monitoring updates to CalRecycle to include the following: Total MORE covered generators, Total MORE covered generators not recycling organics	CalRecycle	Upper Valley Waste Management Agency	Monthly	Commencing 9/1/2022 through 12/1/2022

ATTACHMENT A

PRINTED LABEL SAMPLES - COMPOST

AVAILABLE IN 4x14, 6x5, 6.5x6.5, 9.5x9.5, 13x7

CUSTOMIZED IMAGES AVAILABLE UPON REQUEST BY COVERED GENERATOR



ATTACHMENT A

PRINTED LABEL SAMPLES - RECYCLE

AVAILABLE IN 4x14, 6.5x6.5, 9.5x9.5, 13x7, 24x18

CUSTOMIZED IMAGES AVAILABLE UPON REQUEST BY COVERED GENERATOR

Recycle

Clean Paper

Papel Limpio



Rigid Plastic

Plástico Rígido



Metal

Metal



Glass

Vidrio



No food
or liquids



No comida
o líquidos

Recycle • Recicla

Clean Paper

Papel Limpio



Rigid Plastic

Plástico Rígido



Metal

Metal



Glass

Vidrio



NO FOOD
OR LIQUIDS



NO COMIDA
O LÍQUIDOS

Recycle

Clean Paper

Papel Limpio



Metal

Metal



Rigid Plastic

Plástico Rígido



Glass

Vidrio



No food
or liquids



No comida
o líquidos

ATTACHMENT A

LETTER SIZE FLYER/HAND OUT SAMPLES - RECYCLE, COMPOST AND TRASH

CUSTOMIZED IMAGES AVAILABLE UPON REQUEST BY COVERED GENERATOR

COMPOST
FOOD SCRAPS, FOOD-SOILED PAPER, PLANT TRIMMINGS
COMPOSTA
RESTOS DE COMIDA, PAPEL SUCIO CON RESTOS, PLANTAS

Food Scraps & Food-Soiled Paper
Restos de Comida y Papel Sucio con Restos

Plant Trimmings
Plantas

Only BPI certified plastic bags are allowed.
Solo se permiten bolsas de plástico certificadas por BPI.

NO DIRT & ROCK
NO PIEDRAS O TIERRA

NO GLASS
NO VIDRIO

NO RIGID COMPOSTABLE PLASTICS
NO PLASTICO COMPOSTABLE RIGIDO

NO DIAPERS
NO PET/HUMAN WASTE
NO PAÑALES
DESECHOS DE MASCOTAS/HEMINOS

NO PAINTED/TREATED WOOD
NO MADERA PINTADA/ TRATADA

RECYCLE
CLEAN PAPER PRODUCTS, BOTTLES, CANS & CONTAINERS
RECICLAJE
PRODUCTOS DE PAPEL LIMPIO, BOTELLAS BOTES Y LATAS

Mixed Paper, Unwaxed Cardboard, & Paperboard
Papel Mixto, Cartón y Papel Sin Cera

Paper Cartons & Aseptic Packaging
Cajas de Papel y Envases Asépticos

Plastic Bottles, Jugs & Tubs
Botellas de Plástico, Recipientes, y Jarras

Glass Bottles & Jars
Botellas y Frascos de Vidrio

Metal Cans & Containers
Contenedores y Latas de Metal

PLEASE RECYCLE & CLEAN OFF RESIDUE
POR FAVOR RECICLA Y LIMPIA LOS RESIDUOS

NO COATED PAPER
NO PAPEL COCIENTO DE CERA

NO STYROFOAM™
NO HIELO SECO

NO RIGID COMPOSTABLE PLASTICS
NO PLASTICO COMPOSTABLE RIGIDO

NO PLASTIC BAGS
NO BOLSAS DE PLASTICO

NO E-WASTE
NO ELECTRONICOS

GARBAGE
EVERYTHING IN GARBAGE GOES DIRECTLY TO LANDFILL
BASURA
TODO EN LA BASURA VA DIRECTAMENTE AL BASURERO

Plastic Bags, Pet Waste & Diapers
Bolsas de Plástico, Desechos de Mascotas y Pañales

Wrappers & Non-recyclable Plastic
Envolturas y Plásticos no Reciclables

Styrofoam™ & Cups
Styrofoam™ y Tazas

NO RECYCLABLES
NO RECICLABLE

NO FOOD SCRAPS
NO RESTOS DE COMIDA

NO HAZARDOUS WASTE
NO DESECHOS PELIGROSOS

NO FLUORESCENT
NO CFL BULBS
NO BOMBILLAS FLUORESCENTES

NO E-WASTE
NO ELECTRONICOS

Attachment F – Route Reviews



SB 1383 Route Review Requirements

Route Review Results

Audit Plan By Service Area

CART TYPE	CALISTOGA	ST HELENA	YOUNTVILLE	COUNTY	Grand Total
Compost	20	22	25	27	94
Garbage	20	20	25	27	92
Recycling	20	23	25	27	95
Grand Total	60	65	75	81	281

Completed Audits By
Service Area

CART TYPE	CALISTOGA	ST HELENA	YOUNTVILLE	COUNTY	Grand Total
Compost	10	15	21	21	67
Garbage	20	20	25	25	90
Recycling	19	23	23	26	91
Grand Total	49	58	69	72	248

Not all carts were out at the time of the audits

Carts Not Emptied Due To Contamination (>10% by volume)

CART TYPE	CALISTOGA	ST HELENA	YOUNTVILLE	COUNTY	Grand Total
Compost	0	4	0	0	4
Garbage	0	1	0	0	1
Recycling	6	10	6	5	27
Grand Total	6	15	6	5	32

Properly Sorted Carts

CART TYPE	CALISTOGA	ST HELENA	YOUNTVILLE	COUNTY	Grand Total
Compost	10	13	15	19	57
Garbage	5	4	6	9	24
Recycling	4	5	9	9	27
Grand Total	19	22	30	37	108

Outreach Provided

CART TYPE	OUTREACH	CALISTOGA	ST HELENA	YOUNTVILLE	COUNTY	Grand Total
Compost	Oops Tag	0	1	4	1	6
	Violation Tag + Oops Tag	0	4	0	0	4
Garbage	Oops Tag	15	15	17	17	64
	Oops Tag, Verbal Education	0	0	0	1	1
	Violation Tag + Oops Tag	0	1	0	0	1
Recycling	Oops Tag	7	6	9	13	35
	Oops Tag, Verbal Education	2	0	0	0	2
	Violation Tag + Oops Tag	6	10	6	5	27
Grand Total		30	37	36	37	140

Request for Zero Waste Event Support

The purpose of this form is to request, from Upper Valley Waste Management Agency (UVWMA), a one-time reimbursement of up to \$250 for efforts relating to making events that are free and open to the public zero or low waste. Limited funding is available, project approval will be evaluated based on those projects that are deemed to be the most environmentally beneficial to the up valley community and cost effective. If and when funding is exhausted the program will cease.

Applications can be emailed to: upvalleyrecycles@countyofnapa.org.

In order to be eligible for this reimbursement the event must meet the following requirements:

1. Approval must be obtained prior to event. No retroactive approvals will be considered.
2. Reimbursements for the following items will be considered
 - a. Temporary compost and/or recycling service from Upper Valley Disposal & Recycling (UVD&R) *only if* recycling and compost bins are available to vendors and event attendees. Landfill/trash service will not be covered with this reimbursement.
 - b. Temporary bins to set up waste stations within event to collect and properly separate recycle, compost and trash.
 - c. Clear bags to line recycling bins and/or BPI certified bags to line compost containers.
 - d. Compostable or recyclable service ware. Service ware must be approved by UVD&R or UVWMA staff prior to event.
 - e. Printing signs, labels or other materials used to indicate what materials go where.
3. All organic material must be composted and all recyclable material must be recycled. UVD&R and/or UVWMA staff can provide assistance to review products in advance to determine if they are recyclable or compostable.
4. Event organizers must track weights of trash, recycling and compost disposed of at the event and provide that data to UVWMA, so a diversion rate may be calculated. Event organizers are encouraged to weigh each bag before it goes into recycling, compost or trash themselves, as it will provide for the most accurate diversion rate at the end of the event.
5. The area of event must be within the Upper Valley Disposal & Recycling service area.
6. All invoices and receipts for purchases as well as diversion info must be provided before reimbursements are sent.
7. UVWMA's only role in this process is to reimburse costs outlined above. All other activities are solely the responsibility of the project sponsor.



1195 Third Street Suite 101, Napa, CA 94559
707-253-4351 | countyofnapa.org/recycling

Application Form - To be submitted to UVWMA at least 2 weeks before the scheduled event.

Applicant Name (Person in Charge)	
Address	
Phone Number	
Email Address	
Location of Event	
Date of Event	
Attendees Expected	
What Will Be Included in Reimbursement Request (e.g. waste service, bags, signs, etc).	
Amount Requested for Reimbursement	
Signature	
Date	

(Signature above acknowledges the sole responsibility of UVWMA in this program is to provide a reimbursement and UVWMA assumes no responsibility or liability whatsoever for activities related to the event itself).

Department Review

Application Number		
Proposal	Approved	Disapproved
Approved for a Maximum of	\$	
Signature of UVWMA Manager		
Date		
Approval Expires if not used by		



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1952

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager Upper Valley Waste Management Agency

REPORT BY: Alice Ramirez, Secretary/Clerk

SUBJECT: Resolution Consenting to the Assignment of the Franchise Agreement with Upper Valley Disposal Service to a company owned by Waste Connections US, Inc.

RECOMMENDATION

REQUESTED ACTION: Adoption of and authorization for the Chair to sign Resolution 22-06 consenting to the Assignment of the Franchise Agreement with Upper Valley Disposal Service to a company owned by Waste Connections US, Inc.

EXECUTIVE SUMMARY

On October 19, 2020, the Agency and UVDS entered into the most recent version of the Franchise Agreement ("UVDS Franchise Agreement"). Section 12.6 "Assignment" of the UVDS Franchise Agreement prohibits the assignment of the Agreement without the prior written consent of the Agency. This section defines "Assignment" to include transfers or sales of 10% or more of stocks or ownership.

Upper Valley Disposal Holdings, Inc., a Delaware company owned by Waste Connections US, Inc. (WCI) is acquiring the stock of Whitehall Corporation which owns UVDS. UVDS has requested the agency consent to the assignment of the UVDS Franchise Agreement. If approved by the Board of Directors, the term of the UVDS Franchise Agreement would convert to a fixed fifteen (15) year term and all provisions of the franchise agreement would remain unchanged. The attached resolution imposes, among others, the following conditions: (1) that the consent is valid for 90 days, (2) that the term of the UVDS Franchise Agreement shall be fifteen (15) years from the effective date of the assignment, (3) and that the companies must notify the Agency in writing of the effective date of the assignment.

Whether to adopt the resolution and thereby consent to the assignment is a business decision for the Board of Directors. The Agency Manager considers this proposal to be fair and balanced for both the companies and recommends adoption of this Resolution.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: Exempt from the California Environmental Quality Act (CEQA) (CEQA) pursuant to CEQA Guidelines 15061(b)(3) (CEQA only applies to projects which have potential for causing a significant effect on the environment). This consent to assignment merely approves the legal assignment of the UVDS Franchise Agreement from one party to another and makes no changes whatsoever to the UVDS Franchise Agreement itself. To the extent this assignment is a project under CEQA, it is exempt under CEQA Guidelines 15301, 15306, 15307, 15308, 15273, and 15183.

BACKGROUND AND DISCUSSION

Additional information about the purchasing company is attached.



AGENCY RESOLUTION #22-06

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE UPPER VALLEY WASTE MANAGEMENT AGENCY CONSENTING TO THE ASSIGNMENT OF THE FRANCHISE AGREEMENT WITH UPPER VALLEY DISPOSAL SERVICE

WHEREAS, the Upper Valley Waste Management Agency (hereinafter referred to as “Agency”) is a joint exercise of powers authority organized and operating under California Government Code section 6500 et seq. (the “Joint Exercise of Powers Act”) and a separate and distinct public entity from its member agencies which include the County of Napa, the City of Calistoga, the City of St. Helena, and the Town of Yountville (the member agencies are collectively referred to herein as “Members” and individually as “Member”); and

WHEREAS, the Legislature of the State of California, by enactment of the California Integrated Waste Management Act of 1989 (the “Act”) (California Public Resources Code section 40000 et seq.), has declared that it is in the public interest to authorize and require local agencies to make adequate provisions for Solid Waste Collection within their jurisdiction; and

WHEREAS, pursuant to Public Resources Code section 40059 and Section 6.1(a) of the JPA Formation Agreement between the Members, the Agency may determine whether services are provided by a partially exclusive or wholly exclusive franchise, either with or without competitive bidding, and has the authority to prescribe the terms and conditions under which services are provided thereunder; and

WHEREAS, on October 19, 2020, the Agency and Upper Valley Disposal Service, a California corporation (“UVDS”) entered into that certain “Amended and Restated Franchise Agreement Between Upper Valley Waste Management Agency and Upper Valley Disposal Service For Recyclables, Organics, Construction and Demolition Debris and Solid Waste Collection Services,” which is fully incorporated herein by this reference (the “UVDS Franchise Agreement”); and

WHEREAS, Section 4.1 of the UVDS Franchise Agreement provides, in the event of any assignment, the term of the Agreement shall automatically revert to a fifteen (15) year term from the date of such assignment and shall expire following fifteen (15) years from such date; and

WHEREAS, Section 12.6 of the UVDS Franchise Agreement prohibits assignment of the agreement without the prior written consent of the Agency and authorizes the Agency to place reasonable conditions thereon; and

WHEREAS, Section 12.6 of the UVDS Franchise Agreement defines "assignment" to include, among other things: (i) a sale, exchange or other transfer of ten (10) percent or more of the corporate assets, stock, or ownership of UVDS, (ii) an arrangement which results in a change of ownership or control of ten (10) percent or more of the value or voting rights in local, regional, and/or corporate stock of UVDS, and (iii) any combination of the foregoing which has the effect of any such transfer or change of local, regional, and or corporate ownership and/or control of UVDS; and

WHEREAS, UVDS is a wholly owned subsidiary of Whitehall Corporation, a California corporation, and all of the stock of Whitehall Corporation is being sold to Upper Valley Disposal Holdings, Inc., a Delaware corporation ("UVDH"), which is a wholly owned subsidiary of Waste Connections US, Inc., a Delaware corporation ("WCI"), thus constituting an "assignment" under Section 12.6 of the UVDS Franchise Agreement (the "Assignment"); and

WHEREAS, WCI and UVDS are corporations in good standing and authorized to transact business in the State of California, in the business of Collection, Processing, and Transportation of Solid Waste, Recyclable Materials, Construction and Demolition debris, and Organic Materials; and

WHEREAS, the Agency desires to consent to the Assignment, having determined that UVDH and WCI are qualified to provide for the Collection of Solid Waste, Recyclable Materials, Construction and Demolition Debris, and Organic Materials within the Service Area of the Agency and the Transportation of such material to appropriate places of Processing, Recycling, Composting, and/or Disposal.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors consents to the Assignment subject to the following reasonable conditions:

1. The consent provided by this Resolution shall expire one hundred twenty (120) days from the effective date of this Resolution such that the Assignment must occur within that timeframe or UVDS must seek further consent from the Agency for this or any other assignment of the UVDS Franchise Agreement;
2. Upon the effective date of the Assignment, the term of the UVDS Franchise Agreement shall be fifteen (15) years;
3. UVDS, WCI, and/or UVDH shall notify the Agency in writing of the effective date of the Assignment no later than the date thereof;
4. UVDS, UVDH and WCI, jointly and severally, shall indemnify, defend, and hold harmless the Agency and the Members, individually and/or collectively, their appointed and elected officials, employees, and/or independent contractors from and against any and all claims, suits, losses, costs, or expenses arising out of or related to the Agency's consent to the Assignment; provided, however, that the foregoing obligation to indemnify, defend, and hold harmless the Agency and the Members: (i) shall not apply to claims, suits, losses, costs, or expenses to the extent such are contained and specifically pled in litigation involving the Agency or the Members that was filed in a court of competent jurisdiction before the effective date of this Resolution, but (ii) shall apply to all other claims, suits, losses, costs, or expenses arising out of or related to the Agency's consent to the Assignment.

BE IT FURTHER RESOLVED that the Board of Directors finds that this consent is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines 15061(b)(3) (CEQA only applies to projects which have potential for causing a significant effect on the environment). This consent merely approves the legal assignment of the UVDS Franchise Agreement from one party to another and makes no changes whatsoever to the UVDS Franchise Agreement itself. To the extent this consent is a project under CEQA, it is exempt under CEQA Guidelines 15301, 15306, 15307, 15308, 15273, and 15183.

BE IT FURTHER RESOLVED that the Agency's Director and General Counsel may take all other steps necessary or convenient to effectuate this consent.

BE IT FURTHER RESOLVED that this Resolution shall be effective immediately upon its adoption.

The foregoing resolution was duly adopted at a special meeting of said Board of Directors of the Upper Valley Waste Management Agency in the County of Napa, State of California, held on the 17th day of October 2022 by the following vote:

AYES: _____
NOES: _____
ABSTAIN: _____
ABSENT: _____

By _____
Margie Mohler, Chair
Upper Valley Waste Management Agency

ATTEST:

APPROVED AS TO FORM

By: _____
Steve Lederer, Director
Upper Valley Waste Management Agency

By: _____
Gary Bell, Agency Counsel
_____, 2022



October 6, 2022

Mr. Steve Lederer
Director
Upper Valley Waste Management Agency
1195 3rd Street, Napa, Ca. 94559
RE: Notification Letter Request for Assignment of Franchise Agreements
Upper Valley Disposal Service and Clover Flat Landfill Inc.

Dear Steve,

It has been our pleasure and honor to serve the Upper Napa Valley for the past 59 years partnering with you in building a fully integrated waste management system comprising of waste collection, recycling processing, composting, waste disposal and a renewable energy system.

The innovations, progress and infrastructure we have made together as an environmental essential service provider and leader in the industry are viewed by state regulators and legislative officials as highly regarded and renowned.

To further build upon what our family started in 1963, the shareholders of the company, Sylvia Pestoni and Linda Sereni, have decided to close this chapter of our family heritage. It is time for a new and stronger partner that will be better poised for California's future regulatory environment. After the passing of our founder Bob Pestoni last year it became apparent that an acquisition was in the best interest for our family, employees and our community.

We have chosen Waste Connections Inc, (WCI) as our suitor because of their proven commitment to safety, integrity, inclusivity and decentralized management model of staying local. We will stay the same local company, the same offices, the same customer service team and same local management team but with a lot more resources and more options for employee benefits and services. WCI provides everything necessary to ensure the continued strength and success of both waste companies and Upper Valley Waste Management Agency.

WCI is a publicly traded company, traded on the New York Stock Exchange and in Canada on the Toronto Stock Exchange. WCI is the third largest waste company in the United States, operating in 43 states and six provinces of across Canada. WCI has a customer base that includes 8 million residential, commercial and industrial accounts. WCI employees over 23,000

P. O. Box 382 Saint Helena, Ca. 94574
WWW. uvds.com
PH 707-963-7988

employees and operates 97 landfills throughout the United States and 9 in California including the Potrero Hills Landfill in Solano County who already partners with the County of Napa for solid waste disposal.

We promise a smooth and seamless transition. All aspects of our current franchise agreements with the Upper Valley Waste Management Authority will remain unchanged. For the benefit of all parties, we request your assistance with the board in obtaining the JPA's consent to this change in ownership.

Please see attachment regarding California Companies owned by WCI.

Respectfully yours,

A handwritten signature in blue ink, appearing to read "Christy Pestoni".

Christy Pestoni
Chief Operating Officer
Upper Valley Disposal & Recycling
Clover Flat Resource Recovery Park
Christy@uvds.com

UPPER VALLEY WASTE MANAGEMENT AGENCY (UVA)

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
1.	Avenal, City of	Madera Disposal Systems, Inc.	Landfill	Yes
2.	Avila Beach Community Services District	South County Sanitary Service, Inc.	Collection	Yes
3.	Bishop, City of	Preferred Septic & Disposal, Inc.	Collection	Over 10
4.	Cambria Community Services District	Mission Country Disposal	Collection	Yes
5.	Cameron Park Community Service District	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
6.	Campbell, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
7.	Clearlake, City of	Clearlake Waste Solutions, Inc.	Collection	Yes
8.	El Dorado County	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
9.	El Dorado County	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Materials Recovery Facility / Transfer Station	Yes
10.	El Dorado Hills Community Service District	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
11.	Fort Bragg, City of	Redwood Waste Solutions, Inc.	Collection	Yes
12.	Grover Beach, City of	South County Sanitary Service, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
13.	Inyo County	Madera Disposal Systems, Inc. d/b/a Bishop Waste Disposal	Collection	Yes
14.	Inyo County	Preferred Septic & Disposal, Inc.	Collection	Yes
15.	Lake, County of	Lake County Waste Solutions, Inc.	Collection	Yes
16.	Lassen County	C&S Waste Solutions of Lassen County, LLC	Collection	Yes
17.	Los Angeles, County of	Chiquita Canyon, LLC	Landfill	Over 10
18.	Los Gatos, Town of	West Valley Collection & Recycling, LLC	Collection	Over 10
19.	Los Osos Community Services District	South County Sanitary Service, Inc.	Collection	Yes
20.	Mammoth Lakes, Town of	Mammoth Disposal Company	Collection	Yes
21.	Mendocino, County of		Collection	Yes
22.	Mendocino, County of	Pacific Recycling Solutions, Inc.	Materials Recovery Facility	Yes
23.	Milpitas, City of	Milpitas Sanitation, Inc.	Collection	Yes
24.	Mono County	Mammoth Disposal Company	Collection	Yes
25.	Monte Sereno, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
26.	Morro Bay, City of	Morro Bay Garbage Service	Collection	Yes
27.	Nipomo Community Services District	South County Sanitary Service, Inc.	Collection	Yes
28.	Oceano Community Services District	South County Sanitary Service, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
29.	Placerville, City of	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
30.	Red Bluff, City of	Waste Connections of California, Inc. d/b/a Green Waste of Tehama	Collection	Over 10
31.	San Benito, County of	Waste Solutions Group of San Benito, LLC	Landfill	Over 10
32.	San Jose, City of	Garden City Sanitation, Inc.	Collection	Yes
33.	San Jose, City of	Waste Connections of California, Inc. d/b/a GreenTeam of San Jose	Collection	Yes
34.	San Luis Obispo, City of	San Luis Garbage Company	Collection	Yes
35.	San Luis Obispo, County of	South County Sanitary Service, Inc.	Collection	Yes
36.	San Luis Obispo, County of	Chicago Grade Landfill, Inc.	Landfill	Yes
37.	San Luis Obispo, County of	Cold Canyon Land Fill, Inc.	Landfill	Over 10
38.	San Luis Obispo, County of	Cold Canyon Land Fill, Inc.	Materials Recovery Facility	Over 10
39.	Santa Maria, City of	Santa Maria Transfer Station, Inc.	Transfer Station	Yes
40.	Saratoga, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
41.	Solano, County of	Potrero Hills Landfill, Inc.	Landfill	Over 10
42.	Tehama County	Waste Connections of California, Inc. d/b/a Green Waste of Tehama	Collection	Over 10
43.	Tehama County	Waste Connections of California, Inc.	Landfill	Over 10
44.	Ukiah, City of	Ukiah Waste Solutions, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
45.	Ukiah, City of	Solid Waste Systems, Inc.	Transfer Station	Yes
46.	Ukiah, City of	Pacific Recycling Solutions, Inc.	Materials Recovery Facility	Yes

WCN operates its Company on a decentralized operating basis for each of its local entities. The Corporate Office is a support function of specific functions where economies of scale exist that are designed to be transparent to Customers and Employees. Those specific functions include; Legal, Tax, Information Systems, Payroll and Executive Leadership. Customer Service, Operations Management and Support, Maintenance Management, Engineering and Compliance, Accounting, and Billing, and Public and Government Relations are all local market overseen and coordinated functions. Each market has a District Manager who has oversight and authority of all employees and customer functions. It is WCN's intention to enter into an Employment Agreement with Bryce Howard as the District Manager of the Upper Valley Companies and the Clover Flat Landfill. Christy Pestoni will be entering an Employment Agreement to become the Director of Government and Environmental Affairs for the market area. Both Bryce Howard and Christy Pestoni will report directly to Adam Gooderham, Divisional Vice President of Northern California for WCN located in Sacramento, California.

Five references from other government agencies in California.

City of Pismo Beach – Jim Lewis (City Manager)

City of San Jose – Jeff Anderson

County of Santa Clara – Michele Young

Placerville – Pierre Rivas, Director Development Services Department

El Dorado County – Timothy Engle, Supervising Environmental Health Specialist County of El Dorado Environmental Management Department Solid Waste Division

City of Red Bluff – Tom Westbrook, City Manager



ABOUT WASTE CONNECTIONS

Waste Connections is an integrated solid waste services company that provides non-hazardous waste collection, transfer and disposal services, along with resource recovery primarily through recycling and renewable fuels generation. The Company serves more than eight million residential, commercial and industrial customers in mostly exclusive and secondary markets across 44 states in the U.S. and six provinces in Canada. Waste Connections also provides non-hazardous oilfield waste treatment, recovery and disposal services in several basins across the U.S., as well as intermodal services for the movement of cargo and solid waste containers in the Pacific Northwest. For more information, visit Waste Connections at www.wasteconnections.com.

IN THIS REPORT

Letter from the Chief Executive Officer	2	Employee Engagement	28
Summary Statistics	4	— COVID-19 Focus	30
Operating Values	7	— Servant Leadership	34
Progress Toward Our Targets	8	— Engagement	36
Our Sustainability Targets	10	— Diversity and Inclusion	38
Environmental Stewardship	12	— Safety	40
— Our Net Negative Carbon Footprint	14	— Employee Training and Development	42
— Resource Recovery: Recycling	16	Community Impact	44
— Resource Recovery: Landfill Gas	18	— Select Organizations We Support	46
— Leachate Management	20	— Giving Back	48
— Fleet Emissions and Efficiency	22	— Community Engagement	49
— Zero Waste	24	Governance and Ethics	50
— Material Recovery and Reuse: Exploration and Production Waste	25	GRI Emissions Disclosure	59
— Biodiversity and Site-Closure	26	Sustainability Accounting	62
— Environmental Management System	27	Standards Board Disclosure (SASB)	

OUR PURPOSE

Honoring our commitments provides our stakeholders peace of mind and establishes us as the premier waste services company in the markets we serve. This creates a safe and rewarding environment for our employees while protecting the health and welfare of the communities we serve, thereby increasing value for our shareholders.

SUSTAINABILITY INITIATIVES THAT BENEFIT ALL STAKEHOLDERS



ENVIRONMENTAL

Committed to environmental protection, compliance and the advancement of new technologies.



SOCIAL

Investing in our people by enhancing safety, training and inclusion; supporting communities through charitable programs.



GOVERNANCE

Maintaining sound governance policies that align the interests of shareholders with the Board and Management.



LETTER FROM THE CHIEF EXECUTIVE OFFICER

The challenges of 2020 highlighted the critical roles of culture, values and leadership at all levels as we navigated the COVID-19 pandemic within the context of increased focus on environmental and social justice. We are proud of the accomplishments of our 19,000 employees as they met those challenges and drove continuous improvement not only in our business, but also towards our sustainability objectives.

We view efforts to minimize our impact on the environment and drive continuous improvement in employee safety, welfare, engagement and inclusion as integral to our business, driving long-term value creation for all of our stakeholders.

We are proud to report our progress towards achievement of the fifteen-year aspirational sustainability targets we introduced in 2020, as well as other initiatives we have undertaken to further our efforts to address climate change. We achieved an 8% absolute reduction in Scope 1 and Scope 2 emissions in 2020. We also increased our offsets generated from our services provided led by a 7% increase in landfill gas collected and converted to renewable energy and a 5% increase in recycling tons processed. These efforts further

improved our net negative carbon footprint, reflecting the benefits of both reducing emissions and increasing our offsets to such emissions. Put simply, through our services offered in 2020, we were able to avoid 18.2 million metric tons of CO₂e, a figure that exceeded our emissions generated from operations by over 3.2 times. Going forward, we are well positioned to achieve our aspirational climate-related targets through a growing pipeline of projects under development, including renewable natural gas plants, leachate treatment plants and state-of-the-art greenfield recycling facilities.

In 2020, we also saw a reduction in employee turnover and safety-related incident rates, already below the industry average, plus a further increase in employee engagement. Recognizing



WE HAVE POSITIONED OURSELVES FOR CONTINUED PROGRESS TOWARDS ACHIEVEMENT OF OUR SUSTAINABILITY TARGETS WITH A GROWING PIPELINE OF PROJECTS UNDER DEVELOPMENT

the importance of putting employees first, our safety-focused, servant leadership-based culture guided our decision-making and facilitated our differentiated execution during the COVID-19 pandemic in 2020, and continues to do so. Our ongoing employee support since the onset of COVID-19 brings our investment to over \$40 million, largely focused on the health and welfare of frontline employees and their families. While the pandemic and associated restrictions impacted our traditional approach to providing in-person leadership training and personal development opportunities, we overcame these challenges with an online Learning Management System with increased emphasis on frontline education, significantly expanding the percentage of employees receiving training.

We also introduced a minimum wage target of \$15/hour in 2020, expanded our Employee Scholarship Program that supports the educational goals of our employees' children, and increased our commitments to local food banks and organizations with a focus on families at risk and racial inequities. Building on these efforts, we look forward to rolling out our "Waste Connections Cares Day" to provide employees paid time off for community service, celebration of cultural heritage, or personal time.

Employees can also donate this time to support coworkers in need through our Employee Relief Fund.

As a leading environmental services company, sustainability is not a new concept for us. In fact, many of the initiatives detailed in the following report highlight key areas that we have been pursuing since our inception in 1997, and are now a component of long-term incentive compensation.

As you consider our 2021 updates on sustainability, we hope that you will recognize the value of our track record for creating a culture of accountability, environmental stewardship, and safety, along with the inclusiveness of a servant leadership-driven organization.

We appreciate your interest in sustainability at Waste Connections and invite you to learn more at wasteconnections.com/sustainability.

Worthing F. Jackman
President and Chief Executive Officer

SUMMARY PERFORMANCE STATISTICS¹

	2018	2019	2020
Health and Safety			
Employee Hours	40,460,877	44,637,413	46,279,544
Reportable Incident Rate ²	16.3	17.4	15.4
Total Recordable Injury Rate (TRIR)	2.8	2.9	2.9
Experience Modifier Rate	0.72	0.54	0.62
People			
Total Employees as of Year End	16,356	18,204	18,933
Voluntary Turnover	17.8%	17.8%	14.6%
% of Employees that are Women ³	16.0%	16.0%	16.0%
% of Employees that are Ethnic Minorities ³	41.0%	40.0%	38.0%
% of Employees from Armed Services ³	9.0%	8.0%	8.0%
Training/Leadership Development			
# of Sessions	173	168	231
Employees in Virtual or in-Person Training Sessions	4,444	5,215	12,474
% of Total Employees	27.2%	28.6%	65.9%
Financial Statistics (\$000s USD)			
Revenue	\$ 4,922,941	\$ 5,388,679	\$ 5,445,990
Net Cash Provided by Operating Activities	\$ 1,411,235	\$ 1,540,547	\$ 1,408,521
Facilities			
Hauling Operations	279	300	311
Landfills	93	97	92
Transfer Stations	162	175	185
Intermodal Facilities	6	6	6
Recycling Facilities	64	66	68
E&P Liquid Waste Injection Wells	22	23	23
E&P Waste Treatment and Oil Recovery Facilities	19	19	19
Total	645	686	704



	2018	2019	2020
Fleet			
Total Routed Collection Vehicles	7,221	8,089	8,912
Total Routed CNG Collection Vehicles	1,070	1,119	1,166
Routed CNG Trucks as % of Routed Trucks	14.8%	13.8%	13.1%
Landfill Tons (tons per year)			
Municipal Solid Waste	27,158,637	28,922,292	27,831,800
Special Waste	11,539,499	11,943,036	10,773,600
C&D	6,821,864	7,098,672	6,284,600
Total	45,520,000	47,964,000	44,890,000
Recycled Commodities (tons per year)			
Old Corrugated Cardboard	436,971	452,668	524,787
Old Newspaper	60,460	39,939	39,368
Mixed/Other Paper	232,863	395,511	316,445
Glass	117,277	108,034	108,629
Metal	137,361	64,459	84,247
Aluminum	5,268	5,726	5,922
Plastics	27,219	95,134	90,119
Commingled/Other	519,625	538,046	611,289
Total	1,537,044	1,699,517	1,780,806
Landfill Gas Recovery Systems			
# of Landfill Gas Recovery Systems	52	53	53
# of Power Generation Systems	23	25	28
Annual Standard Cubic Feet Collected for Energy (billions) ⁴	26.2	26.6	28.5
LFG Sales as % of Revenue	1.4%	1.0%	1.1%

¹All data provided here has been subject to internal review and is believed to be correct at the time of reporting. No third party assessment of the data was obtained.

²12-month rolling incident rate, defined as the number of all reportable incidents per 200,000 employee hours worked, preventable and non-preventable.

³WCN began tracking diversity statistics on 12/31/2018; % of calculation excludes individuals that did not disclose; 2020 % of minorities decreased due to impact from more employees self-disclosing.

⁴Prior values have been updated to reflect detailed performance data.





OUR OPERATING VALUES

Safety

We strive to assure complete safety of our employees, our customers and the public in all of our operations. Protection from accident or injury is paramount in all we do.

Integrity

We define integrity as “saying what you will do and then doing it.” We keep our promises to our customers, our employees and our shareholders. Do the right thing, at the right time, for the right reason.

Customer Service

We provide our customers the best possible service in a courteous, effective manner, showing respect for those we are fortunate to serve.

To Be A Great Place To Work

We maintain a growth culture where our employees can maximize their potential personally and professionally. Our objective is to provide an environment where people enjoy what they do and take pride in their work. We wish to embody a work hard, play harder culture.

To Be The Premier Waste Services Company In The U.S. and Canada

We continue to provide superior returns, remain environmentally responsible, and grow in a disciplined way, deploying resources intelligently and benefiting communities we live in. We remain a “different breed”.

PROGRESS TOWARD OUR TARGETS:

Sustainability initiatives with clear objectives are not new to Waste Connections. In fact, they have been an integral part of our business model as a leading environmental services company.

As part of our commitment to provide increased transparency on our sustainability efforts, we introduced fifteen-year aspirational sustainability targets in 2020, along with a commitment of \$500 million towards their achievement. Our targets reflect our sustainability priorities, and they are integral to and consistent with our strategy and focus on value creation for our shareholders.

Our 2020 results show progress towards all of our sustainability priorities, including an 8% reduction in Scope 1 and Scope 2 greenhouse gas emissions. We also increased our offsets generated from our services provided, led by a 7% increase in landfill gas collected and converted to renewable energy and a 5% increase in recycling tons processed. These efforts further improved our net negative carbon

footprint, reflecting the benefits of both reducing emissions and increasing our offsets to such emissions. Put simply, through our services offered in 2020, we were able to avoid 18.2 million metric tons of CO₂e, a figure that exceeded our emissions generated from operations by over 3.2 times.

We also increased the throughput of on-site leachate processing by 13%, and improved our safety incident rate, voluntary turnover and employee engagement as measured by Servant Leadership scores. Our efforts positioned ourselves for continued progress towards achievement of our long-term objectives with a growing pipeline of projects under development, including high Btu Renewable Natural Gas (RNG) plants at our landfills, leachate treatment plants and state-of-the-art greenfield recycling facilities.



ENVIRONMENTAL



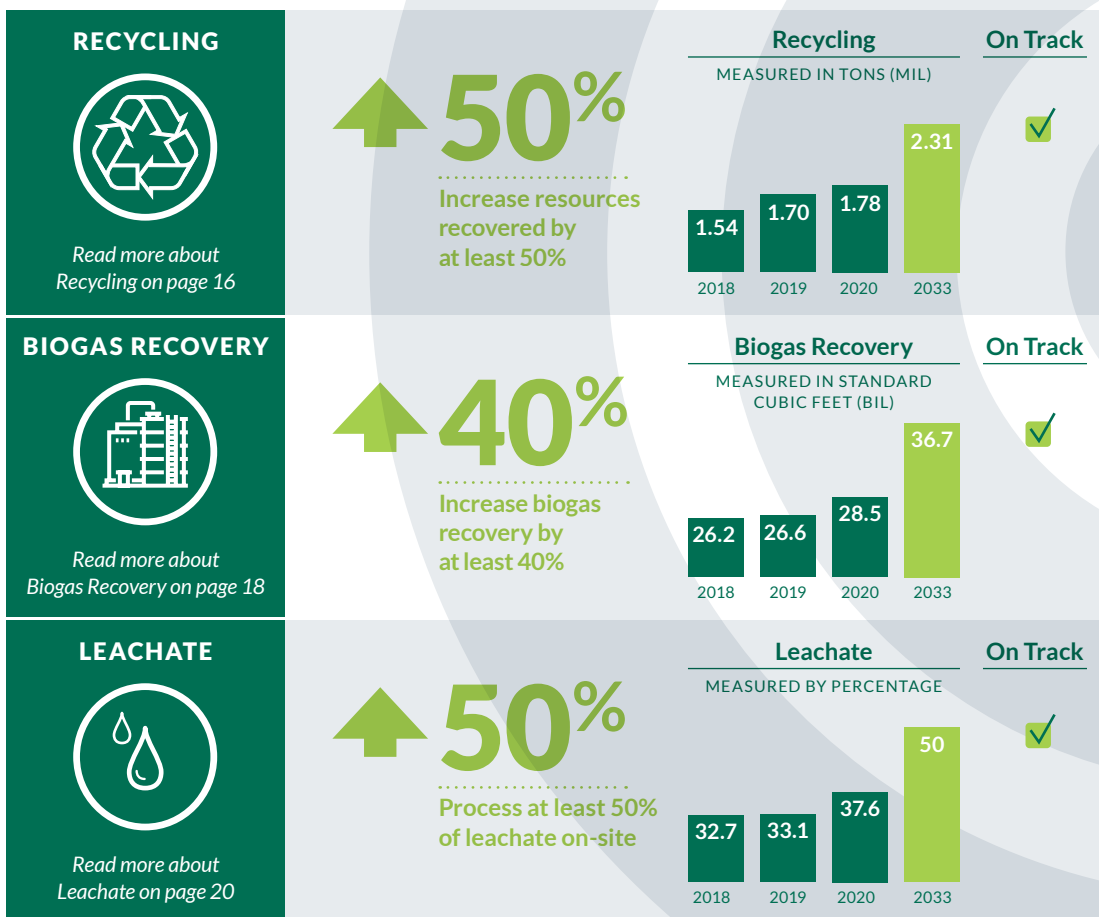
SOCIAL

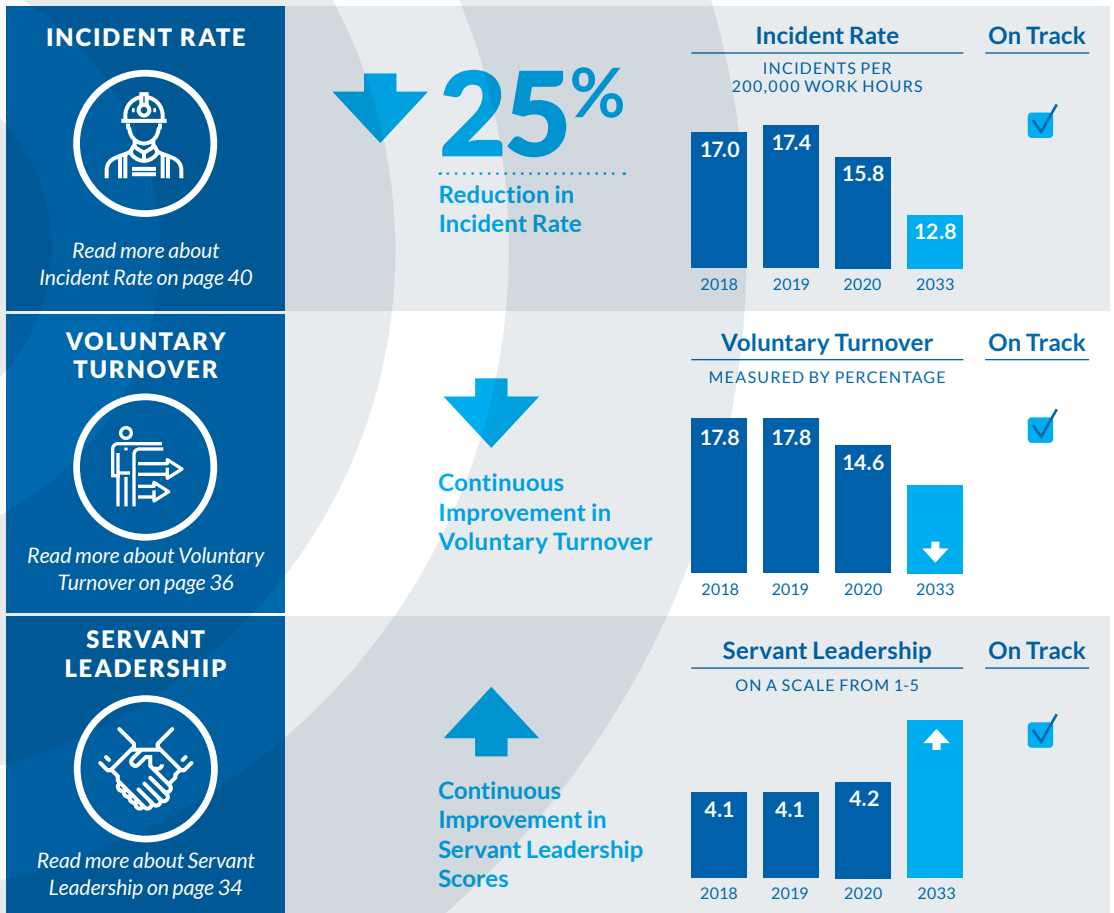


GOVERNANCE

OUR SUSTAINABILITY TARGETS:

The following metrics represent our fifteen-year, aspirational targets, with 2018 as the baseline year. We have been pursuing many of these initiatives since our inception in 1997, and are now incorporating them into long-term incentive compensation. We are pleased to report progress across all metrics in 2020, versus the prior year.





Incident Rate represents same store data from 2018 levels.

Environmental Stewardship





As an environmental services company, Waste Connections is committed to environmental stewardship and we consider it integral to managing and responsibly growing our business. In addition to our Environmental Policy that effectively serves as a guidepost for our standards, we emphasize training, accountability, employee engagement and oversight in order to achieve our environmental objectives. We recognize the importance of minimizing our impact on the environment and the communities we are privileged to serve. As such, our objectives emphasize environmental compliance, resource efficiency, incorporation of biodiversity into site-closure plans along with communication and collaborations with our stakeholders.

Organizationally, our Vice President–Engineering and Sustainability has responsibility for oversight of our Environmental Management System and management of many of our sustainability efforts. Progress towards achievement of our

fifteen-year aspirational targets is incorporated into management compensation and reviewed by our Board of Directors.

With a net negative carbon footprint by a factor of over three times, and an 8% reduction in Scope 1 and Scope 2 emissions in 2020, our environmental targets are consistent with our efforts since our founding. We anticipate further improvements and are committed to expanding our resource recovery capacity through a number of investments, including enhanced optical sorting technology, robotics and new screening equipment at recycling facilities, and construction or acquisition of additional resource recovery facilities. We are also expanding landfill gas recovery and Renewable Natural Gas (RNG) production through enhanced gas collection systems and facilitating the development of additional beneficial use facilities. In addition to these post-collection initiatives, we continue to evaluate the potential for fully electric, zero emission collection trucks, in the future.

OUR NET NEGATIVE CARBON FOOTPRINT

The activity of collecting our customers' solid waste as well as the biodegradation process for certain waste streams within a landfill generates carbon emissions. We recognize the impact that emissions have on climate change and therefore we employ multiple strategies to mitigate these emissions. The proof is in our results, with operational enhancements reducing Scope 1 and Scope 2 greenhouse gas emissions by 8% in 2020. Moreover, consistent with our Environmental Policy, we actively promote the efficient use of resources and in many instances beneficially reuse or divert materials from landfill disposal. For instance, in 2020, we were able to reclaim over four million gallons of petroleum from our E&P waste operations for beneficial reuse in other applications. In addition to processing recyclables at our MRFs, we also segregate additional materials at many landfills and in 2020, we beneficially reused over 170,000 tons of tires, concrete, asphalt and dimensional lumber, and diverted over 136,000 tons of additional material from landfills.

We also actively pursue projects to increase offsets to our emissions, including recycling and the beneficial use of landfill gas. In addition to carbon that is permanently sequestered in our landfills, our recycling services and beneficial reuse of landfill gas avoided 18.2 million metric tons of CO₂e in 2020. These offsets exceeded our emissions generated from operations by over 3.2 times, putting us in a net negative carbon footprint position.

Our largest potential source of emissions results from our landfill operations in which our customers' putrescible waste breaks down over time and produces landfill gas, which we actively work to recover and beneficially reuse. To that end, we install gas collection and control systems when operationally feasible, often in advance of regulatory requirements. In order to mitigate fugitive emissions, we deploy drones at several of our landfills to detect potential breaches, utilize temporary cover systems to encapsulate the gas for beneficial reuse and modernize and expand gas collection systems. Where feasible, we beneficially convert the gas to electricity or renewable natural gas (RNG) that can be injected into a gas transmission pipeline.

Given the aforementioned initiatives, we experienced an 8% reduction in Scope 1 and Scope 2 operational greenhouse gas emissions and further solidified our net negative carbon footprint.



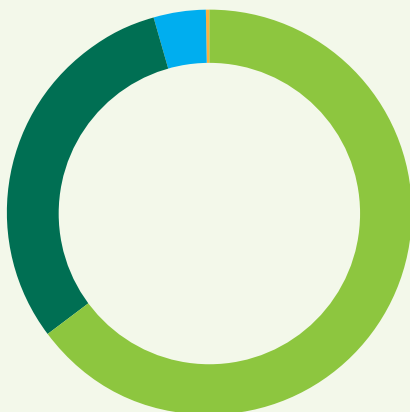
OUR CARBON OFFSETS FROM SERVICES PROVIDED:

Achieving our Targets

We generate carbon offsets through the services that we provide, including recycling and biogas recovery. Therefore, our fifteen-year target to increase carbon offsets, excluding sequestration, by 50% is linked to achievement of our recycling and biogas recovery targets. Given our growing pipeline of these projects under development, we are well positioned to achieve our recycling, biogas recovery and carbon offset targets.

Offsets from Services Provided

MEASURED IN METRIC TONS (MIL)



- Sequestration
- Recycling
- Landfill Gas
- Alt Fuel Vehicles

Total Offsets: 18.20

Emissions from Operations

MEASURED IN METRIC TONS (MIL)



- Scope 1
- Scope 2

Total Emissions: 5.66

> 3.2 x

RESOURCE RECOVERY: RECYCLING

At Waste Connections, resource recovery is a key element of sustainability and includes recycling through our material recovery facilities (MRFs). An integral part of our service offerings, we recycle or divert over 50% of our collected waste volumes in many markets, in some cases over 70%, and we continue to expand these efforts.

In fact, in spite of numerous challenges to the recycling industry including volatility in commodity prices and recent headwinds stemming from COVID-19-related operating challenges, Waste Connections has added recycling processing capacity through the acquisition of state-of-the-art facilities and the enhancement of operating capabilities at our existing MRFs through technology additions.



RECYCLING:

Achieving our Targets

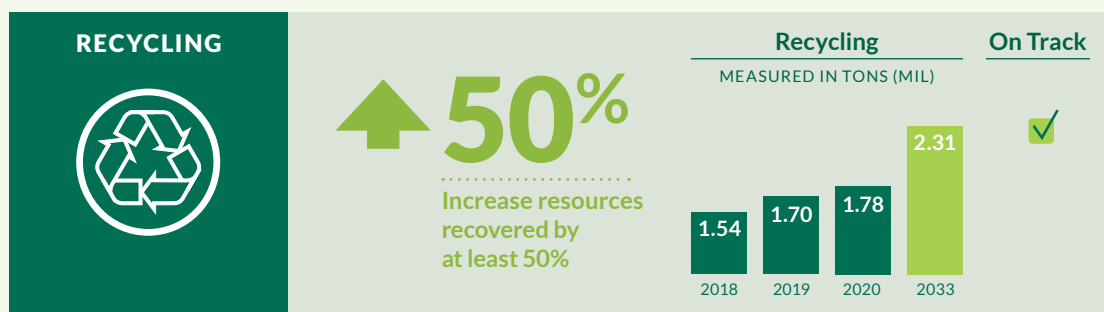
The quality of recycled commodities is largely dependent on front-end source separation efforts, which can vary widely and impact MRF processing costs. Source separation education includes local training efforts, coupled with our WasteConnect app that helps customers confirm if a waste stream is recyclable.

At the plant level, we are investing in additional optical sorters and robotics to manage headcounts at MRFs, increase productivity and improve the quality and value of recycled commodities through reduced contamination rates. Beyond these enhancements at our existing facilities, we are positioned to achieve our targeted expansion of resource recovery by over 50% through increased recycling capacity. We have opportunistically acquired distressed recycling operations. We also plan to construct select greenfield recycling facilities within our footprint to complement or enhance our competitive

KEY 2020 ACCOMPLISHMENTS

In 2020, we expanded our use of robotics including the deployment of 25 robots to seven Material Recovery Facilities. We utilize robotics in various sorting capacities, which increases productivity, and the value of the end commodity through reduced contamination. In response to these additions, as well as select acquisitions, our recycling tons processed in 2020 increased by 5% versus the prior year. Going forward, we are actively pursuing the development of state-of-the-art greenfield recycling projects within our existing markets to more fully integrate our operations. These initiatives position us to achieve our long-term recycling target.

positioning. Moreover, we continue to acquire recycling processing capabilities in conjunction with acquisitions of integrated solid waste operations.



RESOURCE RECOVERY: LANDFILL GAS

Resource recovery also extends to our landfills, where we deploy gas recovery systems and provide renewable energy to many of the communities we serve. We have installed gas collection systems for the capture of landfill gas generated at over 50 of our solid waste landfills with most of our remaining sites accepting substances such as construction and demolition debris or contaminated soils that do not generate sufficient methane gas for recovery.

In many instances, our gas recovery systems exceed regulatory requirements, creating the opportunity to convert additional landfill gas to a renewable energy source and mitigate the environmental impact. From 28 of these gas recovery systems, including one of the largest such recovery plants in North America, we provide the landfill gas to generate electricity for local households, fuel local industrial facilities, and/or to create RNG that can power alternative fuel vehicles. These projects create salable environmental attributes such as carbon emission credits, Renewable Energy Credits (RECs) or Renewable Identification Numbers (RINs).



LANDFILL GAS RECOVERY:

Achieving our Targets

The environmental benefits of utilizing landfill gas to generate electricity or produce pipeline-grade RNG is compelling, with the economic benefit dependent on several factors, including landfill size, age, gas generation rates, and infrastructure costs, as well as the value of the energy produced. At our 28 existing landfill gas recovery systems, we annually process approximately 28.5 billion Standard Cubic Feet (SCF) of gas for conversion to energy, or the equivalent needed to power roughly 289,000 homes.

KEY 2020 ACCOMPLISHMENTS

In 2020, we increased biogas recovery and conversion to energy by 1.9 billion standard cubic feet or approximately 7%. We are actively pursuing a number of additional opportunities for high Btu RNG systems at existing landfills and anticipate completion of another three to five facilities over the next three to five years. Given this outlook, we believe we have solid visibility on achieving our fifteen-year aspirational target to expand biogas recovery by at least 40% from 2018 levels.

BIOGAS RECOVERY



↑ 40%
Increase biogas recovery by at least 40%

Biogas Recovery

MEASURED IN STANDARD CUBIC FEET (BIL)



On Track



LEACHATE MANAGEMENT

When it rains or snows, water infiltrates the buried materials within uncovered sections of landfills and mixes with the liquids and soluble substances contained in municipal solid waste, resulting in leachate. Leachate is contained by an impervious liner system constructed at the bottom of the landfill and is collected through a network of perforated drains. Subsequently, leachate is collected and either sent to a third-party disposal facility, such as a municipal or industrial wastewater treatment plant, or treated on-site through wastewater treatment facilities or evaporation.



LEACHATE MANAGEMENT:

Achieving our Targets

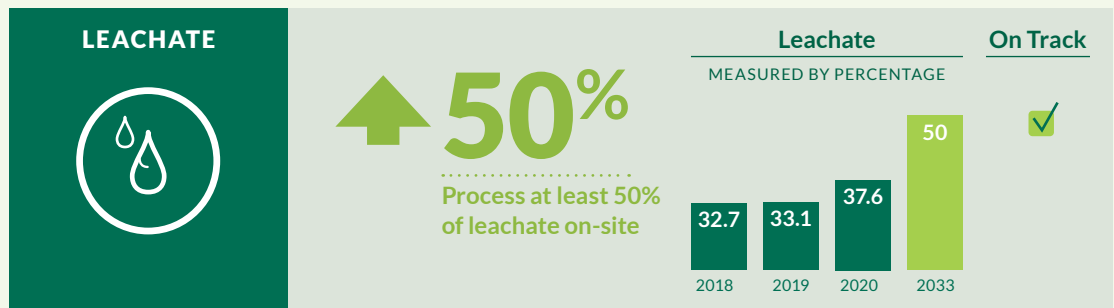
Through our current operations, we generate over 600 million gallons of leachate per year, over two-thirds of which has historically been disposed of off-site. Our fifteen-year aspirational target is to mitigate the environmental impact of transporting and disposing of leachate by enhancing our ability to dispose of leachate using our own facilities to over 50% of leachate generated. Reducing reliance on third parties allows us to more effectively manage the costs and mitigate the impacts associated with the transportation and off-site treatment and disposal of leachate.

In order to further increase our leachate self-sufficiency, we will expand utilization of evaporator technology at some landfills and pursue other landfill practices such as reducing working face size or installation of temporary cover to minimize infiltration of rain or snow. We also will install on-site wastewater plants where applicable.

KEY 2020 ACCOMPLISHMENTS

We expanded on-site leachate treatment by 13% in 2020, bringing our percentage processed on-site to 38%. We also recently began construction on additional leachate treatment facilities that we expect to come on line in 2022 and will further contribute towards achievement of our 50% target.

Always looking for a more cost effective and environmentally conscious way to treat and/or dispose of leachate and other waste, we are independently funding research into new leachate treatment methods with an annual commitment of \$1 million over a five-year period.



FLEET EMISSIONS AND EFFICIENCY

As a route-based business, a portion of our carbon footprint is linked to our fleet, and therefore we look to selectively utilize alternative fuel vehicles as part of our efforts to reduce fleet emissions. In addition to utilizing Compressed Natural Gas (CNG) trucks, we will soon begin beta testing fully electric collection trucks.

In addition, we focus our efforts on reducing consumption of fuel and petroleum-based products through replacement of older trucks

with newer, more efficient trucks, utilizing transfer station networks to consolidate waste onto fewer trucks, installing controls to minimize idling time, and switching to synthetic motor oils with longer replacement intervals, as well as reducing emissions by installing more advanced engine filters. In addition, we utilize technology, including on-board tablets and route optimization software, to minimize driving time, and engine diagnostics software to anticipate issues to avoid downtime.



Innovation

With the expected payload and route capacity of electric collection trucks comparable to diesel trucks, we look forward to beta testing fully electric vehicles, particularly given our encouraging experience from utilization of a hybrid unit in 2021. Although at a significant initial cost premium, the fully electric trucks operate quietly, generate zero emissions and are expected to provide considerable savings in fuel and maintenance expenses relative to comparable diesel trucks. We look forward to expanding the use of alternative fuel vehicles in Waste Connections' fleet over time.



ZERO WASTE

We believe our sustainability initiatives align with and support the efforts of our customers and the communities we serve. We regularly work with customers to increase resource recovery and facilitate their pursuit of zero waste goals. Whether providing services like composting of yard waste and food waste or supporting the introduction of new technologies, such as anaerobic digesters, we partner with communities and industrial customers to advance their objectives to reduce their reliance on landfills, decrease waste disposal costs and reduce emissions. Our easy-to-use reporting and

analytics tool, Recycle 360°, enables our customers to develop waste management plans and track ongoing performance against waste reduction and recycling targets.



MATERIAL RECOVERY AND REUSE: EXPLORATION AND PRODUCTION (E&P) WASTE

With over thirty exploration and production waste treatment and disposal facilities across the United States, Waste Connections is one of the largest providers of non-hazardous E&P waste disposal. Through our E&P subsidiary R360 Environmental Solutions, we help customers responsibly treat, recycle or dispose of drill cuttings, drilling fluids, produced water and other non-hazardous E&P waste, representing an attractive and safe alternative to disposal at the drilling site. Our processes and technology can recover and transform

many of our customers' waste streams into reclaimed oil, recycled produced water and reusable drilling fluids. In fact, since 2018, our E&P waste operations have collectively reclaimed nearly 18 million gallons of base oil, and tons sequestered in landfills and injected into deep formations give R360 a net negative carbon footprint. Pictured below is a night view of our state-of-the-art thermal processing facility near Stanton, Texas, that diverts hydrocarbons from landfills and offers a circular lifecycle to many of our E&P customers.



BIODIVERSITY AND SITE-CLOSURE

We approach our relationships with the communities we serve as long-term partnerships with an eye towards the future and respect for the environment. From the permitting process to operating protocols and eventual site closure, we consider the environmental impact that our businesses have on local habitats and the surrounding communities. At many of our larger landfills, we establish buffer property that utilizes local plants and vegetation to encourage and promote local wildlife and aesthetically blend with other local vegetation. As a part of the permitting process, we engage with local communities to establish a closure plan. As we

anticipate that facilities will ultimately transition into closure, we ensure that closure plans are effective at restoring the land to a condition that is consistent with the biodiversity of the surrounding environment.

Pictured below is our Lachenaie landfill in Terrebonne, Quebec. Since 2019, Lachenaie has supported local pollinating insects by planting a variety of flowers on available land. Each year, the favorable living environment hosts approximately 320,000 honeybees – an example of our commitment to the local ecology and balance between human activity and nature.



ENVIRONMENTAL MANAGEMENT SYSTEM

As detailed in our Environmental Policy, we maintain a robust Environmental Management System (EMS) as part of our operating practices and risk mitigation strategy. Our EMS is an all-encompassing approach to environmental protection and regulatory compliance with oversight by our Vice President—Engineering and Sustainability, along with our Executive Vice President—Engineering and Disposal, and Associate General Counsel—Director of Compliance. It is managed by our Corporate Environmental Manager along with more than 70 trained professionals in the field. Our EMS is designed to prioritize environmental protection and promote the rapid flow of information from the field to those overseeing the EMS.

In order to ensure and track regulatory compliance, we utilize a proprietary compliance-tracking tool called the Cube to provide notifications, tracking and reporting of regulatory and permit-related tasks. The Cube notifies facility managers of upcoming tasks, documents their completion and uploads

to each respective site's operating record. Monthly progress reports are provided to corporate environmental managers, resulting in follow up at multiple levels of management.

Annually, one or more of our environmental professionals audits each disposal site, reviewing operating records, infrastructure and the physical conditions, with potential risks of non-compliance tracked in the Cube for remediation and documentation. Our EMS also regulates the day-to-day handling and documentation of waste streams generated from operations, with all wastes disposed or recycled by third party customers inventoried and tracked through our audit function to demonstrate proper handling.

All sites incorporate emergency response planning, which, depending on geography, may incorporate contingencies for responding to various natural disasters or addressing other regional or local needs. We provide emergency action plan training in order to enhance response plans.

Employee Engagement





Waste Connections has a track record of superior results since its founding in 1997. We attribute that success to a differentiated strategy and a purposeful culture. Our market selection strategy, along with disciplined capital allocation, has produced superior financial results and shareholder returns. However, we believe that while strategy may have positioned us for success, it is our culture of accountability and commitment to excellence that has driven the value creation.

We maintain that our greatest differentiator is not our physical or financial assets; instead, it is our people and our purposeful culture. Our foundation is built on caring for our 19,000 employees, prioritizing safety as our #1 Value and integrating the principles of Servant Leadership – a philosophy we have embraced and expanded upon for over fifteen years – into our day-to-day operations.

CULTURE MATTERS

AT WASTE CONNECTIONS,
WE BELIEVE OUR CULTURE
DRIVES DIFFERENTIATED
RESULTS, AND THEREFORE
INVESTING IN OUR PEOPLE,
OUR GREATEST ASSET,
IS ALWAYS OUR PRIORITY.





RECOGNIZING THE IMPORTANCE OF PUTTING EMPLOYEES FIRST, OUR SAFETY-FOCUSED, SERVANT LEADERSHIP-BASED CULTURE GUIDED OUR DECISION-MAKING AND FACILITATED OUR DIFFERENTIATED EXECUTION DURING THE COVID-19 PANDEMIC IN 2020, AND CONTINUES TO DO SO.

At Waste Connections, we believe that our safety-focused, Servant Leadership-driven culture leads to differentiated results, and therefore investing in our people, our greatest asset, is always our highest priority. As an essential services provider, we recognized from the onset of the COVID-19 pandemic that our communities would count on us and we on each other to honor our commitments; therefore, protecting the health, safety and welfare of our 19,000 employees has guided every decision we have made.

To support and protect our employees, we established protocols and implemented operational changes focused on the health and safety of our frontline employees and achieved seamless transitions to remote work environments for customer service representatives and other support personnel. In addition, we looked to provide a safety net for our employees on issues of income and family health. To that end, we provided full wages for employees feeling ill, under quarantine, or caring for family members, and two-thirds wages for up to 12 weeks for those with childcare issues. Through these

efforts, we enabled our employees to make the right decisions about the health of their families and the well-being of their colleagues, which resulted in continuity of service to the communities we serve.

Recognizing the potential for financial hardship and the challenges unique to this period, we incurred over \$40 million in incremental COVID-19-related costs, primarily supplemental wages which have been provided to all hourly employees, whether union or non-union, remote or on site, as well as temporary workers. We also expanded our Employee Relief Fund for those experiencing financial hardship, launched the Waste Connections Scholarship Program to assist our employees' children in pursuing their educational goals, fully covered COVID-19 related testing and medical costs, improved medical benefits and extended access to medical benefits.

In addition to our near-term COVID-19-related financial commitments, we raised our minimum hourly wage target to \$15/hour in 2020, which

exceeds state and local wage requirements and will positively impact the earnings of over 800 employees. Looking beyond our people, we also recognized the needs of the communities where we live and work, increasing the level of charitable contributions to assist food banks, families at risk, and organizations with a focus on addressing racial inequities at a local or national level, providing meals for healthcare workers and higher risk populations, and donating critical personal protective equipment.

We recognized that reducing employee concerns regarding income, healthcare and family obligations during the pandemic would be critical to providing continuity of service and a bit of normalcy for customers. As we migrate into a new normal with reopening economies amid a lingering risk of infection, we understand the playbook to maintain safety in our operations and remain diligent with safety-related protocols. Unlike many organizations that have eliminated financial assurances, we continue to offer a safety net to our employees. We also recognize the importance of vaccination in reducing transmission of COVID-19 and strongly encourage employees and members of their families get vaccinated. Our strong operating performance during this chaotic and unprecedented period reflects the benefit of this focus and is a testament to the dedication and tireless efforts of every Waste Connections employee, whether in the field or working remotely.

SUPPORTING OUR FRONTLINE



\$40M

Discretionary COVID-19 related expenses, primarily for supplemental employee wages.



\$15/hr

Increased our minimum hourly wage target in 2020.



THE SERVANT LEADERSHIP JOURNEY

Servant Leadership has defined our Company since 2006. The Servant Leadership concept inverts the traditional management hierarchy, positioning leaders to serve their employees both professionally and personally. The philosophy empowers employees by prioritizing their needs, sharing responsibility and driving personal development.

Our leadership development efforts include multi-day Servant Leadership training sessions, district management training, dozens of varying leadership webinar topics, and other safety, sales, maintenance, operations and financial training courses engaging every employee level throughout the Company.

As an organization, we look to continually raise the level of accountability through our annual Servant Leadership survey, which provides

employees the opportunity to grade their managers on an anonymous basis. The score, along with several other metrics such as talent development, are incorporated into the leader’s compensation plan. We raise our level of accountability by putting Servant Leadership into action, not just words. Accordingly, we are targeting continuous improvement in Servant Leadership scores as an element of our long-term, aspirational goals.

Recognizing that we have a responsibility to those we have the privilege to lead, we look to position our employees for success, which begins with our most important value: safety. Holding every employee accountable for safety and scoring our leaders on Servant Leadership has driven accountability and produced results, evidenced by industry-leading financial metrics as well as safety and employee turnover levels that are significantly better than the industry average.





RECOGNIZING THE
IMPORTANCE OF PUTTING
OUR EMPLOYEES FIRST,
OUR SAFETY-FOCUSED,
SERVANT LEADERSHIP-BASED
CULTURE GUIDED OUR
DECISION-MAKING
IN 2020.

ENGAGEMENT → RELATIONSHIPS = RESULTS

We identified Engagement as the foundation of our 2020 Vision, as we looked to position Waste Connections for the future with continued focus on the core values that have been integral to our success. That vision of engagement included expanding our offerings for training and development of our leaders and frontline employees, and innovating new technology platforms to increase connectivity with our employees, customers and communities in which we operate.

Our 2020 focus on engagement was timely, as the COVID-19 pandemic necessitated the use of remote alternatives to in-person training and development

and highlighted the importance of connectivity both inside and outside of the Company. We believe that our investment in technology to enhance connectivity and its effectiveness during the pandemic will result in a stronger, more engaged team as we emerge from this period, and over time, lower voluntary turnover.

Our team has responded and recognized Waste Connections externally with a series of employee-nominated awards, including Glassdoor's Employee Choice Awards – Top CEOs as well as Comparably's Best Leadership Team, Best CEO for Women, Best HR Team, Best Sales Team and Happiest Employees.



VOLUNTARY TURNOVER AND ENGAGEMENT :

Achieving our Targets

At Waste Connections, we recognize that employee turnover and engagement metrics can be driven by intentional or unintentional corporate decisions over a protracted period. As such, we purposefully emphasize culture, employee training and development, and accountability in order to drive continuous improvement in both retention and Servant Leadership scores – our reflection of engagement.

Below are several of the engagement-driven efforts launched in 2020:

- :: Launch of *Workplace*, our internal social networking application designed to facilitate communication, connection, recognition, celebrate successes and build relationships across our over 650 facilities;
- :: Implementation of our enhanced Learning Management System to expand content and increase access and visibility on training and development opportunities;

KEY 2020 ACCOMPLISHMENTS

Our engagement focus, coupled with our COVID-19-related response to employee health and financial wellness, resulted in an 18% improvement to voluntary turnover in 2020. More than 80% of our employees responded to our annual Servant Leadership survey – our proxy for engagement – with manager scores further improving in 2020.

- :: Expansion of employee resource groups, including the Waste Connections Women's Network and the Veterans S.E.R.V.E. Network;
- :: Expansion of training and onboarding tools for new employee transition and development; and,
- :: Launch of a wellness website in the U.S. and wellness-related initiatives within Canada

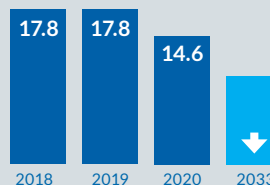
VOLUNTARY TURNOVER



Continuous Improvement in Voluntary Turnover

Voluntary Turnover

MEASURED BY PERCENTAGE



On Track



DIVERSITY AND INCLUSION

At Waste Connections, we are committed to building and developing diverse teams that function in an environment of mutual respect, where employees feel empowered to contribute. Operating across hundreds of markets in the United States and Canada, we recognize the benefits of diversity and the importance of ensuring that employees feel respected and included, encouraged to bring their unique perspectives, ideas and best skills to work each day. In keeping with our efforts to support and encourage diversity and inclusion, we have undertaken several initiatives, including the 2019 introduction of a formal Diversity Policy for our Board of Directors and Senior Management with aspirational targets for female Board representation and additional disclosure on workforce composition.

We also incorporated diversity and inclusion topics into Servant Leadership training and manager assessments in order to ensure that all employees are valued, feel empowered to contribute and are positioned for advancement opportunities. Following our leadership summit that focused on understanding and mitigating unintended biases, we enhanced recruiting practices to ensure the broadest candidate pools, offered monthly diversity and inclusion training modules, established financial commitments to organizations that focus on racial inequities and that support women and children at risk, and supported the development of resource groups including our Women's Network and Veterans' S.E.R.V.E. Network.

Waste Connections is a signatory to the *CEO Action for Diversity & Inclusion*, the largest CEO-driven business commitment to advance diversity and inclusion within the workplace.



DIVERSITY STATISTICS

Workforce Composition (U.S. and Canada)	Unit	Gender		Ethnicity	
		Female	Male	Caucasian	Ethnic Minority
Board of Directors*	Percentage (%)	25%	75%	88%	13%
Top Management Positions**	Percentage (%)	18%	82%	91%	9%
Total Workforce	Percentage (%)	16%	84%	62%	38%

Workforce Ethnic Composition (U.S. Only)*	Percentage
Caucasian	60%
Hispanic	22%
Black	14%
Multiracial	2%
American Indian or Alaska Native	1%
Asian	1%
Native Hawaiian or Other Pacific Islander	1%

Age Breakdown (U.S. and Canada)	Percentage
29 and Under	15%
30 to 49	51%
50 and Over	34%

Employees by Payment Type (U.S. and Canada)	Percentage
Hourly	85%
Salaried	15%

*Board of Directors Ethnicity and Workforce Ethnic Composition does not equal 100% due to rounding.

** Top management positions reflect employees within two levels of the CEO.

TAKING SAFETY TO THE NEXT LEVEL

We believe that safety is the responsibility of each and every employee; it is ingrained in our commitment-based, safety-driven culture. Moreover, as servant leaders are responsible for each employee's success at work and beyond, safety is an integral component of this commitment. We have relied on those

relationships along with tools to develop employee risk-profile rankings and to facilitate effective communication and behavior-based coaching. In 2020, our behavioral-based approach to safety resulted in over 60% of our operating locations either posting zero safety-related incidents or reducing incident frequency versus the prior year.



SAFETY:

Key Initiatives

While we attribute our successful safety record to our culture and behavioral-based approach, we acknowledge that technology can be an important tool in identifying risky behaviors and providing coaching opportunities to address them.

In 2020, we launched a \$10 million fleet-wide upgrade of our onboard camera systems, which are the foundation for establishing our risk-based scoring approach to encouraging safe driving practices. In contrast to existing systems, which largely track inertial movements in vehicles, the next generation systems utilize artificial intelligence and “Machine Vision” to identify additional risks both inside and outside of the cab. Such risk factors inside the cab include unbelted drivers, as well as distracted driving from handheld devices, food and beverages and smoking. Outside of the cab, the units can detect lane departures, rolling stops, unsafe following distances and other critical distances.

KEY 2020 ACCOMPLISHMENTS

The fleet-wide upgrade to next generation camera telematics is well underway with expected completion in early 2022. This technology, combined with lower traffic levels stemming from pandemic-driven restrictions in 2020, led to a 12% reduction in the number of incidents. Further, over 60% of our operating locations either posted zero incidents in 2020 or experienced year-over-year improvement.

Another addition to our safety program was the introduction to our fleet of Freightliner EcomonicSD trucks with an overhauled cab design that incorporates many of the safety features already included in passenger vehicles, as well as an integrated collision mitigation system, enhanced visibility, and several ergonomic improvements.

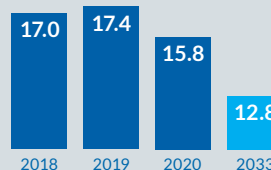
INCIDENT RATE



↓ **25%**
Reduction in
Incident Rate

Incident Rate

INCIDENTS PER
200,000 WORK HOURS



On Track



EMPLOYEE TRAINING AND DEVELOPMENT

At Waste Connections, we continue to expand our training programs to educate our employees beyond pertinent topics such as safety and environmental compliance that foster increased job performance. We also seek to increase employee knowledge and awareness toward increasingly important subjects such as Diversity and Inclusion and Cybersecurity. In 2020, we deployed a new Learning Management System (“LMS”) in order to expand our reach to additional employees and provide mobile and tablet-based trainings. The efforts were timely given the need to limit in-class participation during the COVID-19 pandemic and we significantly increased both course count and employees that participated in training courses. Below are a few notable new training programs:

Diversity and Inclusion Mini Series

We provided monthly Diversity and Inclusion learning modules through our LMS to all employees. Our leaders utilized the mini courses and underlying discussion guides to have a deeper conversation on the topic with their teams. Topics have included unconscious bias, how to practice inclusiveness, breaking down stereotypes, creating psychological safety for employees and teams, allyship, and fostering belonging.

Training the Trainer

We developed a Driver Trainer Certification Course that focuses on how we can best serve our trainees beginning their Waste Connections driving career. The driver trainers learn next level skills to enhance current training strategies. Routing, documentation, distractions, normalization of deviance, Target 4 (safety) and conversation styles highlight the learning content delivered virtually or in-person.

Business Acumen

Business Acumen financial training links expertise in certain roles to Waste Connections strategic priorities. The six-hour online workshop or three day in person session aligns operations to corporate strategy and focuses on the development of the five business drivers – Cash, Profit, Assets, Growth and People.

Cybersecurity training

We offer a five-part training course designed to improve employee cybersecurity awareness and educate users on today's threats. We also provide digital courses that focus on phishing awareness and common cybersecurity attacks.



THE LAUNCH OF OUR NEW LMS WITH INCREASED EMPHASIS ON FRONTLINE EDUCATION SIGNIFICANTLY EXPANDED THE PERCENTAGE OF EMPLOYEES RECEIVING TRAINING.

Community Impact



GIVING BACK AND MAKING AN IMPACT

At Waste Connections, we also attribute our success to the support we receive from communities we serve, where our employees also live and work. We provide opportunities for our employees to get involved in their communities and consider it a privilege for Waste Connections to also give back through charitable donations or sponsoring community events.

Giving Locally – Waste Connections and our employees support more than a thousand organizations through direct contributions, volunteering and/or fundraising at a local level. Each year, we donate millions of dollars to various charities, including an increasing number of organizations identified by our frontline employees that focus on racial inequities at a local or national level, and that support women and children at risk in disadvantaged communities.

Our Company-wide Culture of Giving – In addition to our local efforts, we are proud of our Company-wide traditions. In 2019, we achieved a 20-year Waste Connections Christmas Promise goal one year ahead of schedule, as employees

across the company assembled and donated over 10,000 bicycles to deserving children, bringing our total donated since inception of Christmas Promise to approximately 65,000 bicycles. In addition, despite canceling our 2020 Annual Waste Connections Golf Classic for Kids due to COVID-19-related safety concerns, we were able to hold virtual auctions and in aggregate raise over \$1 million for charities that support at-risk youth and their families.

Sustainability and Giving – Waste Connections aligns its major financial contributions with its goal to further advance environmental sustainability. For example, our first major grant helped establish the Global Waste Research Institute (GWRI), developed in conjunction with California Polytechnic State University, San Luis Obispo.

The GWRI's mission is to advance state-of-the-art research and development of sustainable technologies and practices to more effectively manage existing and emerging wastes and byproducts. We also regularly contribute to the Environmental Research Education Foundation and fund over \$1 million per year in research related to the environmental industry.

SELECT ORGANIZATIONS WE SUPPORT:

Alzheimer's Resource of Alaska	Chippewas of the Thames First Nation	Hope Ministries
American Cancer Society	Coalition of Communities of Color	Inner City Outreach
American Heart Association	Columbia River Mental Health Foundation	Inspiration Ranch
American Red Cross	Eloy Food Bank	Interfaith of The Woodlands
Angel Reach	Emergency Food Network	Juvenile Diabetes Research Foundation
Beyond Batten Disease	Empire Club of Canada	Kids Meals
Big Brothers Big Sisters	Empower Tehama	Kids 'n Kinship
Boys and Girls Clubs	Equal Justice Initiative	Leukemia & Lymphoma Society
Bridge the Gap	Fondation – CSSS Du Sud De Lanaudiere	Lighthouse for Grieving Children
Bridge to Home	Feed the Front Line	Loaves and Fishes Family Kitchen
Canadian Club of Toronto	Genesis House	Lotus House
CASA Child Advocates	Habitat for Humanity	Love Fosters Hope
Cayuga Seneca Community Center	Henry's Home	Low County Food Bank
Centre for Young Black Professionals	Homeless Youth Connections	Make-a-Wish Foundation
Charleston Area Justice Ministry	Homes4Families	March of Dimes
Children's Home Society		Meals on Wheels



Mission of Hope	St. Jude Children's Research Hospital	Winter Center for Autism
Montgomery County Food Bank	Step by Step	Wreaths Across America
Multiple Sclerosis Foundation	Tent Mission STL	YES to Youth
National Women's Hall Of Fame	The 30-Days Foundation	Young Men's Educational Network (YMEN) Chicago
Northwest Association for Blind Athletes	The Black Coalition for AIDS Prevention	Youth Alliance
Oklahoma Children's Hospital	The Conservation Fund	Youth First
Pink Lemonade Project	The Salvation Army	
Police Association of Ontario	The Wishing Well Foundation	
Redeemed Ministries	Toby Keith Foundation	
Roger Clemens Foundation	United Negro College Fund	
Ronald McDonald House Charities	United Way	
Seneca Falls Fire Department	Veterans Emergency Relief Fund	
Sommet socio-économique pour le développement des jeunes des communautés noires	Volunteer Prince William	
Special Angels	Westborough Police Foundation	
Special Olympics	Win Victim Services	
	Women's Institute for Leadership and Learning	



GIVING BACK TO EMPLOYEES

In 2017, we created the Waste Connections Employee Relief Fund to help employees and their immediate families who have experienced significant financial hardship following a natural disaster or other catastrophic event. In 2020, we expanded its applicability to address unexpected hardships experienced during COVID-19. Through contributions from Waste Connections, our employees and vendors, we assist impacted employees by helping to pay for essential living expenses, such as food, clothing, utilities,

temporary housing, property repairs, and other basic necessities.

In 2020, we also introduced the Waste Connections Scholarship Program, which awards renewable scholarships of \$2,500 each per academic year for up to four years to assist our employees' children to pursue and achieve their vocational, technical and university education goals. Now in its second year, the scholarship program has more than doubled the number of award recipients.



COMMUNITY ENGAGEMENT

Now more than ever it is critical to increase engagement within our communities and connectivity with our customers. Through our WasteConnect app, customers can confirm their collection dates, search our Waste Wizard database to confirm if a waste stream is recyclable, pay their bills, and communicate with their local service provider. We have also simplified the customer onboarding process with streamlined online sign-up and service routed through our proprietary artificial intelligence-enhanced C2O software.

We partner with our communities and in many instances deploy recycling coordinators to schools, community events and residences to provide educational sessions about the benefits of recycling and proper waste management. In 2019, we launched the *Bob Davis Award for Leadership in Sustainability* to recognize employees who demonstrate exemplary leadership in advancing sustainability through implementing or serving on community projects, programs, outreach, education, initiatives or services that benefit their community, customers, coworkers or Waste Connections.



Governance and Ethics

KEY GOVERNANCE ADDITIONS FOR 2021

- Environmental Policy
- Human Rights
- Cybersecurity
- Incentive compensation
now integrating ESG targets

WASTE CONNECTIONS

Since our inception, we have been committed to well-defined principals of corporate governance. Our Corporate Governance Guidelines and Board Charter align the Board of Directors and its four distinct committees with management in order to promote the best interests of the Company. More recently, the Board of Directors adopted a Diversity Policy for the Board of Directors and senior management, which provides for annual progress reviews by the Board. Similarly, the Board provides oversight of our aspirational ESG targets introduced in 2020, with management compensation tied to progress against our ESG targets beginning in 2021.

Highlights of what we believe exemplify our adherence
to sound principles of corporate governance include:

- :: Directors are elected individually;
- :: Majority voting policy for the election of our Directors;
- :: Separate CEO and Chairman of the Board of Directors, or Board Chairman positions;
- :: Having a strong Lead Independent Director serve on the Board of Directors;
- :: Women account for 33% of independent Board members and 25% of total Board members;
- :: Annual Board of Directors and committee evaluation processes;
- :: Board of Directors' oversight of risk;
- :: Robust risk management program related to compensation;
- :: Share ownership requirement for Directors and corporate officers;
- :: Diversity Policy including aspirational targets for Board of Directors composition;
- :: Regular executive sessions of only independent directors; and
- :: Director retirement policy.

Our Board of Directors has four standing committees: the Executive Committee, the Audit Committee, the Compensation Committee, and the Nominating and Corporate Governance Committee. Except for the Executive Committee, the committees are composed entirely of independent, non-employee directors.

The Board's Role in Risk Oversight

The Board of Directors and its committees have an active role in overseeing management of the Company's risks. The Board of Directors regularly reviews information from members of senior management regarding the Company's safety performance, employee retention, financial performance, financial outlook, balance sheet, credit profile and liquidity, as well as the risks associated with each. The Board of Directors also receives reports from members of senior and regional management on areas of material risk to the Company, including market-specific, operational, legal, information technology (including cybersecurity), regulatory and strategic risks. The Board of Directors, with recommendations from the Audit and Compensation Committees, approves and maintains a succession plan for the CEO and other senior management of the Company, including policies and principles for selecting and evaluating a new CEO in the event of an emergency or retirement of the CEO. The Audit Committee

oversees management of financial, financial reporting and internal controls risk. The Compensation Committee assesses and monitors risks relating to the Company's corporate officer compensation policies and practices. The Nominating and Corporate Governance Committee is responsible for overseeing the management of risks associated with the independence of the Board of Directors and potential conflicts of interest.

The Board of Directors receives reports on information technology risks, including cybersecurity and data security risks. Day-to-day management of data security is the responsibility of our Chief Information Officer, who reports directly to the Chief Executive Officer. The Board periodically reviews cybersecurity and data security risks and mitigation strategies with the Chief Information Officer.

The Board of Directors and its committees also have an active role in the Company's efforts to advance sustainability and diversity and inclusion, including the development and approval of targets, monitoring achievement towards such objectives, and evaluating the effectiveness of policies and targets. In addition, the Board added ESG targets as a performance measure in long-term incentive compensation beginning in 2021.

Communications with the Board

Shareholders and other interested parties may communicate with the Board of Directors generally, with the non-employee directors as a group or with a specific director at any time by writing to the Board of Directors, the non-employee directors or a specific director, care of the Company's Secretary, at our principal administrative offices located at Waste Connections, Inc., 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

Shareholder Outreach

We believe that our relationship with and accountability to shareholders are critical to our success. Engaging with our shareholders helps us to understand how they view us, to set goals and expectations for our performance, and to identify emerging issues that may affect our strategies, sustainability initiatives, corporate governance, compensation practices or other aspects of our operations. Our shareholder and investor outreach includes investor road shows, analyst meetings, investor meetings and investor conferences, either virtually or in person. We also communicate with shareholders and other interested parties through various media, including our annual and quarterly reports, sustainability reports, proxy statements and other SEC and Canadian securities filings, press releases and our website. Our conference

calls for quarterly earnings releases and major corporate developments are open to all. These calls are available in real time and are also archived as webcasts on our website. Our President and CEO, Chief Financial Officer and other senior management also regularly engage with investors to discuss our strategy, financial and business performance, and ESG efforts and to update investors on key developments.

Code of Conduct and Ethics

We have adopted a Code of Conduct and Ethics that applies to all of our directors, officers and employees. Our Code of Conduct and Ethics details Company principles to guide employee decision-making in many areas, including:

:: *Conflicts of Interest*

No officer, director or employee may be subject to influences, interests or relationships that conflict with the best interests of the Company.

:: *Full, Fair and Accurate Disclosure*

It is the Company's policy that the information in its public communications, including its SEC filings and filings with the Canadian Securities Administrators, be full, fair, accurate, timely and understandable.

:: *Compliance with Laws, Rules and Regulations*

It is the Company's policy to comply with all laws, rules and regulations applicable to the Company and its operations. The Company's

strict compliance policy also extends to all other applicable laws and regulations, including compliance with the U.S. Foreign Corrupt Practices Act (FCPA), the Canadian Corruption of Foreign Public Officials Act (CFPOA), and other applicable anti-corruption laws; antitrust laws; tax laws; environmental and safety regulations; equal opportunity; non-discrimination and fair employment; and foreign asset control regulations.

:: *Prohibited Accounting Practices*

The Company's policy is to make and keep books, records and accounts that accurately and fairly reflect the transactions of the Company.

:: *Whistleblowing – Reporting Illegal or Unethical Behavior*

All officers, directors and employees should promptly report to senior management all actual or potential illegal or unethical behavior of Company personnel that they observe. The Company encourages and expects full and open communication with senior management even when it appears that less candor may be desirable to protect the Company or members of management. It is the Company's policy and the responsibility of each officer, director and employee to comply with all whistleblower protection laws, rules and regulations.

:: *Compliance and Discipline*

Violations of this Code by officers, directors

or employees will result in disciplinary action that may include termination, referral for criminal prosecution and reimbursement to the Company for any losses or damages resulting from the violation.

:: *Fair Dealing; Moral and Ethical Standards*

Each officer, director and employee must endeavor to deal fairly with the Company's customers, suppliers, competitors and employees and not to take unfair advantage of anyone through manipulation, concealment, abuse of privileged or misappropriated confidential information, misrepresentation of material facts or any other unfair dealing practice. More generally, each officer, director and employee must adhere to and comply with the highest moral and ethical standards of our society in conducting business on behalf of the Company.

:: *Human Rights*

It is the Company's policy and the responsibility of each officer, director and employee to comply with all laws, rules and regulations related to the protection and advancement of human rights, including, but not limited to, laws, rules and regulations governing the use of child labor, compulsory or forced labor, slavery and human trafficking, and freedom of association and collective bargaining.

:: *Insider Trading*

Buying or selling securities, directly or

indirectly through family members or other persons or entities, while possessing material nonpublic information or selectively disclosing such information to others who may trade based on it is prohibited by applicable securities laws.

:: *Contributions*

Officers, directors and employees may not (directly or indirectly) contribute Company funds to, or spend Company funds in support of, any kind of political party, political action committee or other committee in the United States or Canada or to any candidate for, or holder of, any office of any national, state or local government in the United States, or any national, provincial or local government in Canada. Exceptions may be permitted for state, provincial and local contributions in jurisdictions that permit corporate political contributions, but only upon approval by the Company's Chief Executive Officer and in consultation with the General Counsel. In countries other than the United States or Canada, the policy will be determined in accordance with local law and practice as well as laws applicable to the Company.

No political contribution by any officer, director or employee may be made, or even appear to be made, with the Company's funds, or be reimbursed from the Company's funds; nor should

the selection of a candidate or a party be, or seem to be, coerced by the Company. Officers, directors and employees are prohibited from using their positions to induce, coerce or in any way influence any person, including subordinates, to support or contribute time or money to any political party, to the campaign of any candidate for office or to any charitable activity.

The Nominating and Corporate Governance Committee is responsible for, among other matters, the development and implementation of the Company's corporate governance principles, including the review of and compliance with our Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics. The Nominating and Corporate Governance Committee is responsible for monitoring the implementation of the Company's diversity policy on a periodic basis, and at least annually, to assess its effectiveness, monitoring and reviewing the Company's progress in achieving its aspirational targets and reporting the results to the Board, and making recommendations to the Board regarding any revisions to this policy that may be necessary or appropriate.

The Board is responsible for reviewing strategy, policies and performance related to the Company's management of environmental, social and

governance (ESG) issues, including reviewing any reports on the Company's performance against ESG targets, any ESG programs, products and disclosures, and any corporate responsibility policies and programs, in coordination with other committees of the Board, as appropriate.

Copies of our Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics are available on our website at <http://wasteconnections.investorroom.com>. A copy of the Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics may also be obtained, free of charge, by writing to our Secretary or Investor Relations at our principal administrative offices located at Waste Connections, Inc., 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

Integration of ESG metrics into Management

Compensation

In October 2020, the Company adopted long-term, aspirational sustainability targets and committed over \$500 million for investments to meet or exceed such targets. These targets primarily focus on reducing emissions, increasing resource recovery of both recyclable commodities and clean energy fuels, reducing reliance on off-site disposal for landfill leachate, increasing employee engagement, and further improving

our industry-leading safety performance. The Company views its ESG/sustainability initiatives to be consistent with its objective of long-term value creation. As such, the Compensation Committee introduced continuous improvement towards the Company's sustainability targets as an additional performance measure of long-term incentive compensation beginning in 2021.

Data Security and Privacy

We maintain, log and monitor all information and technology assets – data, systems, and applications – that are critical to the operations and success of Waste Connections. We have incorporated a defensive and offensive security strategy built on people, process, and technology with a focus on threat intelligence and security operations.

Waste Connections continues to maintain a robust security posture in response to today's ever-evolving threat landscape. The prime directive of this initiative is the safety and security of our customers' and employees' information. Our security model refers to an information security approach in which security mechanisms and controls are strategically layered throughout our infrastructure to secure our data's confidentiality, integrity, and availability. We have the same expectations for our information technology service providers and all third parties that support the business.

Managing Data Security Risk

We employ the widely recognized National Institute of Standards & Technology Framework for Improving Critical Infrastructure Cybersecurity (The NIST Cybersecurity Framework) to manage cybersecurity risk. This voluntary guidance was developed with private sector input in 2014 and provides a framework for organizations to manage cybersecurity risk. We regularly assess our technologies and monitor our systems and other technical security controls, maintain information security policies and procedures, including an incident response plan, ensure maintenance of backup and valuable systems, and have a team of security personnel managing our efforts and initiatives.

Policies have been put in place to protect our customers and employees from fraudulent activity by building processes that require continuous education, phishing simulations, real-time threat monitoring, and detection. We use vulnerability scanning tools to regularly assess potential data security risks across our businesses. We correlate the results and prioritize any actions based on threat modeling analysis and monitor any actions in-progress with the system owners based on assigned timelines for remediation. In addition, we actively monitor the web for any suspicious domain registrations, social media disinformation, and fraudulent

campaigns being initiated against its customers and/or employees.

Upholding Data Privacy

We strive to protect personal data through reasonable technical and organizational security measures including technical security tools, restrictions on access to data, and physical security measures to help prevent unauthorized or unlawful access, disclosure, loss, destruction, or damage. We access and use personal data for legitimate business purposes and maintain appropriate access controls and use limitations.

Our employees are required to follow all applicable privacy, information security, and data protection laws, including the California Consumer Privacy Act. Our Data Privacy Policy sets forth the principles that govern our treatment of personal data, while our Policy on the Acceptable Use of Systems and Data governs the use and protection of information about our company and information that is stored on our computers and mobile devices. Our policies restrict individuals' access to personal data to those that need access to accomplish a business objective and allow access only for so long as it is necessary.

We endeavor to follow data privacy best practices and have established specific governance structures

to regularly review and improve upon our data privacy processes.

Environmental Policy

Waste Connections is committed to environmental protection and compliance. In order to realize and communicate these commitments to our employees and contractors, Waste Connections has developed an Environmental Policy which applies to all of our employees and contractors. Waste Connections' management, including our Vice President – Engineering and Sustainability, is responsible for communicating, implementing and reviewing this policy annually. A full copy of our Environmental Policy can be found on our website. Below are highlights of our policy:

:: *Environmental Compliance*

Comply with or exceed all local, state and federal environmental laws and regulations in order to manage and mitigate air, water and land-based pollution.

:: *Environmental Management System or “EMS”*

Utilize and continually improve our EMS (The Cube, the Environmental Compliance Audit Center, and/or other future systems) in order to track, audit and promote environmental compliance on a site-by-site basis.

:: *Biodiversity and Site – Rehabilitation*

As facilities are transitioned into closure, ensure that site construction, and closure plans

are effective at restoring the land to a condition that is consistent with the biodiversity of the surrounding environment.

:: *Emergency Preparedness*

Establish emergency response action plans on a site-by-site basis including processes to guide site personnel and local community service providers during emergency events.

:: *Resource Efficiency*

Minimize internal waste generation and incorporate new technologies where applicable to mitigate our environmental impact.

:: *External Communication*

Promote the benefits of proper waste management including resource recovery to local stakeholders and customers.

:: *Stakeholder Engagement*

Partner with and engage the public as part of our environmental decision-making processes in order to promote the fair treatment and the opportunity for meaningful involvement of all people within the communities we serve.

:: *Environmental Performance Measurement*

Report our environmental progress through our annual Sustainability Report, and, as required with regulatory agencies.

:: *Employee Training*

Provide adequate training, oversight and resources to our employees to promote awareness and successful implementation of this Policy.

GLOBAL REPORTING INITIATIVE EMISSIONS DISCLOSURE

EMISSIONS DISCLOSURE

Waste Connections emissions disclosure was developed using the Global Reporting Initiative (GRI) G4 Sustainability Reporting Guidelines. Waste Connections GHG Inventories were prepared by a third-party, independent environmental services firm with the conclusions audited and verified by a separate third-party. The data was prepared in a manner consistent with The Climate Registry (TCR) General Reporting Protocol (GRP) Version 2.1 dated January 2016 and its associated updates and clarifications.

In 2018, Waste Connections began using the SWICS calculation methodology. This methodology is more reflective of modern landfill design and industry

practices, and was utilized for comparison purposes relative to the solid waste peer group.

The impact of carbon sequestration in our landfills is significant and well documented in scientific literature. Due to anaerobic conditions that exist within landfills, lignins and hemicellulosic materials remain undecomposed. They represent approximately 50% of biogenic carbon in the waste stream. Waste Connections disposed of 36,020,954 and 34,116,400 tons of Municipal Solid Waste and Construction & Demolition debris in 2019 and 2020, respectively. In total, our landfills sequestered 12,340,905 and 11,790,884 MT CO₂e in 2019 and 2020, respectively.

G4-EN15:

Direct (Scope 1) greenhouse gas (GHG) emissions

MT CO ₂ e		
2018	2019	2020
5,089,083	6,006,643	5,609,964

G4-EN16:

Energy indirect (Scope 2) GHG emissions

MT CO ₂ e		
2018	2019	2020
53,993	55,442	51,506

G4-EN17: Other indirect (Scope 3) GHG emissions

Emissions Source	MT CO ₂ e		
	2018	2019	2020
Purchased goods and services	821,606	861,763	744,323
Capital goods	233,539	292,218	233,961
Waste generated in operations	117,871	151,342	77,359
Upstream transportation and distribution	429,847	503,351	498,960
Business travel (air and vehicle)	53,166	51,142	49,977
Use of sold products	54,785	84,119	48,436
Total	1,710,814	1,943,936	1,653,017



G4-EN18: GHG emissions intensity

	Unit	2018	2019	2020
Gross Revenue	\$ US Dollars Millions	\$ 4,923	\$ 5,389	\$ 5,446
Scope 1 Emissions	MT CO ₂ e	5,089,083	6,006,643	5,609,964
MT CO ₂ e/\$M Revenue		1,034	1,115	1,030
Scope 2 Emissions	MT CO ₂ e	53,993	55,442	51,506
MT CO ₂ e/\$M Revenue		11	10	9
Scope 1 & 2 Emissions	MT CO ₂ e	5,143,076	6,062,085	5,661,470
MT CO ₂ e/\$M Revenue		1,045	1,125	1,040

G4-EN19: Reduction of GHG emissions

Waste Connections has undertaken several initiatives to reduce GHG emissions. The Company collected landfill gas for use at landfill gas-to-energy facilities at 28 landfills in 2020. The beneficial reuse of landfill gas at these facilities resulted in annual avoided GHG emissions estimated at 690,492 and 746,092 MTCO₂e in 2019 and 2020, respectively. The estimate of avoided emissions assumed that natural gas was the fuel replaced by the use of landfill gas. The avoided emissions were calculated using default methodologies from TCR included CO₂, CH₄ and N₂O emissions.

Waste Connections diverts over 50% of collected waste volumes in certain markets, in some cases over 70%. The estimated avoided GHG emissions in 2019 and 2020 from recycling was 5,037,064 and 5,645,326 MT CO₂e, respectively. These values were calculated using the USEPA Waste Reduction Model (WARM).

Over the past several years, Waste Connections has deployed vehicles using alternative fuels such as compressed natural gas (CNG) and biodiesel as a means of reducing its GHG footprint. Waste Connections currently deploys approximately 1,200 CNG vehicles. The estimated annual

reduction in GHG emissions from CNG vehicles was 22,803 and 21,824 MT CO₂e in 2019 and 2020, respectively. The calculation uses an equivalent diesel vehicle as a baseline.

G4-EN22: Water discharge by quality and destination

In 2019, Waste Connections collected 703,342,262 gallons of leachate with 470,251,239 gallons being sent to third parties for treatment. In 2019, Waste Connections also collected 659,722,620 gallons of E&P produced water for on-site treatment. A total of 31,764,417 gallons of E&P produced water was sent to third parties for treatment in 2019.

In 2020, Waste Connections collected 696,531,341 gallons of leachate with 434,295,795 gallons being sent to third parties for treatment. In 2020, Waste Connections also collected 581,936,547 gallons of E&P produced water for on-site treatment. A total of 21,201,290 gallons of E&P produced water was sent to third parties for treatment in 2020.

Our E&P waste water treatment technologies allow us to process and dispose 100% of drilling-related waters without discharging to surface waters. The majority of waste fluids are injected into brine formations via deep wells.

SUSTAINABILITY ACCOUNTING STANDARDS BOARD DISCLOSURE



SASB APPENDIX

Greenhouse Gas Emissions

	Unit	2019	2020
Gross global Scope 1 emissions	MT CO ₂ e	6,006,643	5,609,964
Scope 1 coverage under emissions-limiting regulations	Percentage (%)	85%	78%
Scope 1 coverage under emissions-reporting regulations	Percentage (%)	85%	78%
Total landfill gas recovered	Million British Thermal Units (MMBtu)	21,547,648	22,939,938
Landfill gas flared	Percentage (%)	39%	40%
Landfill gas used for energy	Percentage (%)	61%	60%

Fleet Fuel Management

	Unit	2019	2020
Fleet fuel consumed	Gigajoules (GJ)	10,501,924	10,743,000
Natural gas as a % of fuel consumed	Percentage (%)	8.0%	7.8%
Alternative fuel vehicles as % of routed collection fleet	Percentage (%)	13.8%	13.1%

Air Quality

	Unit	2019	2020
NO _x (Excluding N ₂ O)	Metric Tons (t)	265	285
SO _x	Metric Tons (t)	62	67
Volatile organic compounds (VOC)	Metric Tons (t)	N/A	7.7
Hazardous air pollutants (HAP)	Metric Tons (t)	N/A	10.9
Number of facilities in or near dense population centers	Number	7	7
Non-compliant air emissions issues	Number	2	2

Management of Leachate

	Unit	2019	2020
Total leachate collected	Gallons (000)	703,342	696,531
Total leachate treated by third parties	Gallons (000)	470,251	434,296
Corrective actions implemented for landfill releases	Number	0	0
Incidents of non-compliance associated with environmental impacts	Number	0	0

Labor Practices

	Unit	2019	2020
Active workforce covered under collective bargaining agreements	Number	3,159	3,172
Work stoppages	Number	0	1
Impacted employees as a percent of total workforce	Percentage	0.00%	0.76%
Total days idle	Days	0	6

Workforce Health & Safety

	Unit	2019	2020
Total recordable incident rate (TRIR) ¹	Rate	2.91	2.90
Incident rate (I-Rate)	Rate	17.4	15.4
Fatality rate	Rate	0.00	0.02

¹ BASIC score definitions are unclear and can be inconsistent; WCN prefers to use TRIR and Incident Rate as a better barometer of safety.



Recycling & Resource Recovery

	Unit	2019	2020
Waste incinerated	Metric Tons (t)	0	0
Hazardous waste incinerated as percent of waste incinerated	Percentage (%)	0%	0%
Energy recovery from waste incinerated	Percentage (%)	0%	0%
Customers receiving recycling	Percentage (%)	50%	50%
Customers receiving composting	Percentage (%)	27%	25%
Amount of material recycled	Metric Tons (t)	1,541,792	1,615,536
Amount of material composted	Metric Tons (t)	210,757	201,991
Amount of material processed as waste-to-energy	Metric Tons (t)	N/M	N/M
Amount of electronic waste collected	Metric Tons (t)	N/M	N/M
Percentage of electronic waste recovered through recycling	Percentage (%)	N/M	N/M

Activity Metrics

	Unit	2019	2020
Customers	Number		
Municipal Contracts	Number	2,000	2,100
Commercial	Number	600,000	720,000
Industrial	Number	100,000	135,000
Residential	Number	6,500,000	7,425,000
Other	Number	200,000	220,000
Vehicle fleet size ³	Number	8,089	8,912
Landfills	Number	97	92
Transfer stations	Number	175	185
Recycling centers	Number	66	68
Composting centers	Number	6	7
Incinerators	Number	0	0
All other facilities	Number	342	352

² Waste Connections does not measure materials managed by customer type.

³ Represents routed vehicles



INDEX

Awards	36	Global Reporting Initiative (GRI)	59–61
Biodiversity	26, 58	Human Rights	54
Bob Davis Award for Leadership in Sustainability	49	Incorporating ESG Metrics into Compensation	56
Carbon Footprint	14–15	Landfill Gas Recovery Systems	14, 18–19
Carbon Offsets from Services Provided	14–15	Landfill Renewable Natural Gas (RNG)	18–19
Carbon Sequestration	14–15, 25, 60	Learning Management System (LMS)/Employee Training	34, 36–37, 42
Code of Conduct and Ethics	53	Safety	40–41
Compressed Natural Gas Trucks (CNG)	22	Servant Leadership	34
Corporate Culture	29	Site Audits	27
COVID–19 Response	31–33	Site-closure	26
Cybersecurity	56–57	Stakeholder Engagement	49
Diversity and Inclusion	38–39	Sustainability Accounting Standards Board Disclosure (SASB)	62–65
Diversity Policy	38	The Board’s Role in Risk Oversight	52
Electric Vehicles	22–23	Third-party Data Verification	60
Emergency Response Planning	27, 58	Voluntary Turnover	37
Employee Relief Fund	48	Waste Diversion	14, 16, 24–25
Employee Scholarship Program	48	Water Management/Leachate	20–21, 61, 64
Environmental Management System (EMS)	27, 58	Whistleblowing	54
Environmental Policy	58	Zero Waste	24
Fifteen-year Aspirational Targets	10–11		



WASTE CONNECTIONS
Connect with the Future®

Company Headquarters

6220 Hwy 7, Suite 600
Woodbridge
Ontario L4H 4G3
Canada

Principal Administrative Offices

3 Waterway Square Place, Suite 110
The Woodlands, Texas 77380
USA
832.442.2200

www.wasteconnections.com



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1955

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager Upper Valley Waste Management Agency

REPORT BY: Alice Ramirez, Secretary/Clerk

SUBJECT: Resolution Consenting to the Assignment of the Franchise Agreement with Clover Flat Land Fill Inc. to a company owned by Waste Connections, Inc.

RECOMMENDATION

REQUESTED ACTION: Adoption of and authorization for the Chair to sign Resolution 22-07 consenting to the Assignment of the Franchise Agreement with Clover Flat Land Fill Inc. to a company owned by Waste Connections, Inc.

EXECUTIVE SUMMARY

On October 19, 2020, the Agency entered into the most recent franchise agreement ("CFLF Franchise Agreement"). Section 12.6 "Assignment" of the CFLF Franchise Agreement prohibits CFLF from assigning the Agreement without the consent of the Agency. This section defines "Assignment" as including transfers or sales of 10% or more of stocks or ownership.

Upper Valley Disposal Holdings, Inc., a Delaware company owned or controlled by Waste Connections, Inc. (WCI) is acquiring the stock of Whitehall Corporation which owns CFLF. CFLF has requested the Agency consent to the assignment of CFLF Franchise Agreement. If approved by the Board of Directors, all provisions of the franchise agreement would remain unchanged. The attached resolution imposes, among others, the following conditions: (1) that the consent is valid for 90 days, and (2) that the companies must notify the Agency in writing of the effective date of the assignment.

Whether to adopt the resolution and thereby consent to the assignment is a business decision for the Board of Directors. The Agency Manager considers this proposal to be fair and balanced for both the companies and recommends adoption of this Resolution.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: ENVIRONMENTAL DETERMINATION: Exempt from the California Environmental Quality Act (CEQA) (CEQA) pursuant to CEQA Guidelines 15061(b)(3) (CEQA only applies to projects which have potential for causing a significant effect on the environment). This consent to assignment merely approves the legal assignment of the CFLF Franchise Agreement from one party to another and makes no changes whatsoever to the CFLF Franchise Agreement itself. To the extent this assignment is a project under CEQA, it is exempt under CEQA Guidelines 15301, 15306, 15307, 15308, 15273, and 15183.

BACKGROUND AND DISCUSSION

Additional information about the purchasing company is attached.



AGENCY RESOLUTION #22-07

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE UPPER VALLEY WASTE MANAGEMENT AGENCY CONSENTING TO THE ASSIGNMENT OF THE FRANCHISE AGREEMENT WITH CLOVER FLAT LAND FILL INC.

WHEREAS, the Upper Valley Waste Management Agency (hereinafter referred to as "Agency") is a joint exercise of powers authority organized and operating under California Government Code section 6500 et seq. (the "Joint Exercise of Powers Act") and a separate and distinct public entity from its member agencies which include the County of Napa, the City of Calistoga, the City of St. Helena, and the Town of Yountville (the member agencies are collectively referred to herein as "Members" and individually as "Member"); and

WHEREAS, the Legislature of the State of California, by enactment of the California Integrated Waste Management Act of 1989 (the "Act") (California Public Resources Code section 40000 et seq.), has declared that it is in the public interest to authorize and require local agencies to make adequate provisions for Solid Waste Collection within their jurisdiction; and

WHEREAS, pursuant to Public Resources Code section 40059 and Section 6.1(a) of the JPA Formation Agreement between the Members, the Agency may determine whether services are provided by a partially exclusive or wholly exclusive franchise, either with or without competitive bidding, and has the authority to prescribe the terms and conditions under which services are provided thereunder; and

WHEREAS, on October 19, 2020 the Agency and Clover Flat Land Fill Inc. ("CFLF") entered into that certain "Amended and Restated Franchise Agreement Between Upper Valley Waste Management Agency and Clover Flat Land Fill Inc. for Construction and Demolition Debris, Organic Materials, and Solid Waste Processing and Disposal Services," which is fully incorporated herein by this reference (the "CFLF Franchise Agreement");

WHEREAS, Section 12.6 of CFLF Franchise Agreement prohibits the assignment of the agreement without the consent of the Agency and authorizes the Agency to place reasonable conditions thereon;

WHEREAS, Section 12.6 of the CFLF Franchise Agreement defines "assignment" to include, among other things: (i) a sale, exchange or other transfer of ten (10) percent or more of the corporate assets, stock, or ownership of CFLF, (ii) an arrangement which results in a change of ownership or control of ten (10) percent or more of the value or voting rights in local, regional, and/or corporate stock of CFLF, and (iii) any combination of the foregoing which has the effect of any such transfer or change of local, regional, and or corporate ownership and/or

control of CFLF; and

WHEREAS, CFLF is a wholly owned subsidiary of Whitehall Corporation, a California corporation, and all of the stock of Whitehall Corporation is being sold to Upper Valley Disposal Holdings, Inc., a Delaware corporation (“UVDH”), which is a wholly owned subsidiary of Waste Connections US, Inc., a Delaware corporation (“WCI”), thus constituting an “assignment” under Section 12.6 of the CFLF Franchise Agreement (the “Assignment”); and

WHEREAS, WCI and CFLF are corporations in good standing and authorized to transact business in the State of California, in the business of Construction and Demolition Debris, Organic Materials, and Solid Waste Processing and Disposal Services; and

WHEREAS, the Agency desires to consent to the Assignment, having determined that UVDH and WCI are qualified to provide for Construction and Demolition Debris, Organic Materials, and Solid Waste Processing and Disposal Services within the Service Area of the Agency and the Transportation of such material to appropriate places of Processing, Recycling, Composting, and/or Disposal.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors consents to the Assignment subject to the following reasonable conditions:

1. The consent provided by this Resolution shall expire one hundred twenty (120) days from the effective date of this Resolution such that the Assignment must occur within that timeframe or CFLF must seek further consent from the Agency for this or any other assignment of the CFLF Franchise Agreement;
2. CFLF, WCI, and/or UVDH shall notify the Agency in writing of the effective date of the Assignment no later than the date thereof;
3. CFLF, UVDH and WCI, jointly and severally, shall indemnify, defend, and hold harmless the Agency and the Members, individually and/or collectively, their appointed and elected officials, employees, and/or independent contractors from and against any and all claims, suits, losses, costs, or expenses arising out of or related to the Agency’s consent to the Assignment; provided, however, that the foregoing obligation to indemnify, defend, and hold harmless the Agency and the Members: (i) shall not apply to claims, suits, losses, costs, or expenses to the extent such are contained and specifically pled in litigation involving the Agency or the Members that was filed in a court of competent jurisdiction before the effective date of this Resolution, but (ii) shall apply to all other claims, suits, losses, costs, or expenses arising out of or related to the Agency’s consent to the Assignment.

BE IT FURTHER RESOLVED that the Board of Directors finds that this consent to assignment is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines 15061(b)(3) (CEQA only applies to projects which have potential for causing a significant effect on the environment). This consent to assignment merely approves the legal assignment of the CFLF Franchise Agreement from one party to another and makes no changes whatsoever to the CFLF Franchise Agreement itself. To the extent this assignment is a project under CEQA, it is exempt under CEQA Guidelines 15301, 15306, 15307, 15308, 15273, and 15183.

BE IT FURTHER RESOLVED that the Agency's Director and General Counsel may take all other steps necessary or convenient to effectuate this consent.

BE IT FURTHER RESOLVED that this Resolution shall take effect immediately upon its adoption.

The foregoing resolution was duly adopted at a special meeting of said Board of Directors of the Upper Valley Waste Management Agency in the County of Napa, State of California, held on the 17th day of October 2022 by the following vote:

AYES: _____
NOES: _____
ABSTAIN: _____
ABSENT: _____

By _____
Margie Mohler, Chair
Upper Valley Waste Management Agency

ATTEST:

APPROVED AS TO FORM

By: _____
Steve Lederer, Director
Upper Valley Waste Management Agency

By: _____
Gary Bell, Agency Counsel
_____, 2022



October 6, 2022

Mr. Steve Lederer
Director
Upper Valley Waste Management Agency
1195 3rd Street, Napa, Ca. 94559
RE: Notification Letter Request for Assignment of Franchise Agreements
Upper Valley Disposal Service and Clover Flat Landfill Inc.

Dear Steve,

It has been our pleasure and honor to serve the Upper Napa Valley for the past 59 years partnering with you in building a fully integrated waste management system comprising of waste collection, recycling processing, composting, waste disposal and a renewable energy system.

The innovations, progress and infrastructure we have made together as an environmental essential service provider and leader in the industry are viewed by state regulators and legislative officials as highly regarded and renowned.

To further build upon what our family started in 1963, the shareholders of the company, Sylvia Pestoni and Linda Sereni, have decided to close this chapter of our family heritage. It is time for a new and stronger partner that will be better poised for California's future regulatory environment. After the passing of our founder Bob Pestoni last year it became apparent that an acquisition was in the best interest for our family, employees and our community.

We have chosen Waste Connections Inc, (WCI) as our suitor because of their proven commitment to safety, integrity, inclusivity and decentralized management model of staying local. We will stay the same local company, the same offices, the same customer service team and same local management team but with a lot more resources and more options for employee benefits and services. WCI provides everything necessary to ensure the continued strength and success of both waste companies and Upper Valley Waste Management Agency.

WCI is a publicly traded company, traded on the New York Stock Exchange and in Canada on the Toronto Stock Exchange. WCI is the third largest waste company in the United States, operating in 43 states and six provinces of across Canada. WCI has a customer base that includes 8 million residential, commercial and industrial accounts. WCI employees over 23,000

P. O. Box 382 Saint Helena, Ca. 94574
WWW. uvds.com
PH 707-963-7988

employees and operates 97 landfills throughout the United States and 9 in California including the Potrero Hills Landfill in Solano County who already partners with the County of Napa for solid waste disposal.

We promise a smooth and seamless transition. All aspects of our current franchise agreements with the Upper Valley Waste Management Authority will remain unchanged. For the benefit of all parties, we request your assistance with the board in obtaining the JPA's consent to this change in ownership.

Please see attachment regarding California Companies owned by WCI.

Respectfully yours,



Christy Pestoni
Chief Operating Officer
Upper Valley Disposal & Recycling
Clover Flat Resource Recovery Park
Christy@uvds.com

UPPER VALLEY WASTE MANAGEMENT AGENCY (UVA)

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
1.	Avenal, City of	Madera Disposal Systems, Inc.	Landfill	Yes
2.	Avila Beach Community Services District	South County Sanitary Service, Inc.	Collection	Yes
3.	Bishop, City of	Preferred Septic & Disposal, Inc.	Collection	Over 10
4.	Cambria Community Services District	Mission Country Disposal	Collection	Yes
5.	Cameron Park Community Service District	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
6.	Campbell, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
7.	Clearlake, City of	Clearlake Waste Solutions, Inc.	Collection	Yes
8.	El Dorado County	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
9.	El Dorado County	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Materials Recovery Facility / Transfer Station	Yes
10.	El Dorado Hills Community Service District	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
11.	Fort Bragg, City of	Redwood Waste Solutions, Inc.	Collection	Yes
12.	Grover Beach, City of	South County Sanitary Service, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
13.	Inyo County	Madera Disposal Systems, Inc. d/b/a Bishop Waste Disposal	Collection	Yes
14.	Inyo County	Preferred Septic & Disposal, Inc.	Collection	Yes
15.	Lake, County of	Lake County Waste Solutions, Inc.	Collection	Yes
16.	Lassen County	C&S Waste Solutions of Lassen County, LLC	Collection	Yes
17.	Los Angeles, County of	Chiquita Canyon, LLC	Landfill	Over 10
18.	Los Gatos, Town of	West Valley Collection & Recycling, LLC	Collection	Over 10
19.	Los Osos Community Services District	South County Sanitary Service, Inc.	Collection	Yes
20.	Mammoth Lakes, Town of	Mammoth Disposal Company	Collection	Yes
21.	Mendocino, County of		Collection	Yes
22.	Mendocino, County of	Pacific Recycling Solutions, Inc.	Materials Recovery Facility	Yes
23.	Milpitas, City of	Milpitas Sanitation, Inc.	Collection	Yes
24.	Mono County	Mammoth Disposal Company	Collection	Yes
25.	Monte Sereno, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
26.	Morro Bay, City of	Morro Bay Garbage Service	Collection	Yes
27.	Nipomo Community Services District	South County Sanitary Service, Inc.	Collection	Yes
28.	Oceano Community Services District	South County Sanitary Service, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
29.	Placerville, City of	Waste Connections of California, Inc. d/b/a El Dorado Disposal Service	Collection	Yes
30.	Red Bluff, City of	Waste Connections of California, Inc. d/b/a Green Waste of Tehama	Collection	Over 10
31.	San Benito, County of	Waste Solutions Group of San Benito, LLC	Landfill	Over 10
32.	San Jose, City of	Garden City Sanitation, Inc.	Collection	Yes
33.	San Jose, City of	Waste Connections of California, Inc. d/b/a GreenTeam of San Jose	Collection	Yes
34.	San Luis Obispo, City of	San Luis Garbage Company	Collection	Yes
35.	San Luis Obispo, County of	South County Sanitary Service, Inc.	Collection	Yes
36.	San Luis Obispo, County of	Chicago Grade Landfill, Inc.	Landfill	Yes
37.	San Luis Obispo, County of	Cold Canyon Land Fill, Inc.	Landfill	Over 10
38.	San Luis Obispo, County of	Cold Canyon Land Fill, Inc.	Materials Recovery Facility	Over 10
39.	Santa Maria, City of	Santa Maria Transfer Station, Inc.	Transfer Station	Yes
40.	Saratoga, City of	West Valley Collection & Recycling, LLC	Collection	Over 10
41.	Solano, County of	Potrero Hills Landfill, Inc.	Landfill	Over 10
42.	Tehama County	Waste Connections of California, Inc. d/b/a Green Waste of Tehama	Collection	Over 10
43.	Tehama County	Waste Connections of California, Inc.	Landfill	Over 10
44.	Ukiah, City of	Ukiah Waste Solutions, Inc.	Collection	Yes

#	<u>California Municipality Served</u>	<u>Waste Connections Subsidiary</u>	<u>Type of Services Provided</u>	<u>Assigned in Last 10 Years</u>
45.	Ukiah, City of	Solid Waste Systems, Inc.	Transfer Station	Yes
46.	Ukiah, City of	Pacific Recycling Solutions, Inc.	Materials Recovery Facility	Yes

WCN operates its Company on a decentralized operating basis for each of its local entities. The Corporate Office is a support function of specific functions where economies of scale exist that are designed to be transparent to Customers and Employees. Those specific functions include; Legal, Tax, Information Systems, Payroll and Executive Leadership. Customer Service, Operations Management and Support, Maintenance Management, Engineering and Compliance, Accounting, and Billing, and Public and Government Relations are all local market overseen and coordinated functions. Each market has a District Manager who has oversight and authority of all employees and customer functions. It is WCN's intention to enter into an Employment Agreement with Bryce Howard as the District Manager of the Upper Valley Companies and the Clover Flat Landfill. Christy Pestoni will be entering an Employment Agreement to become the Director of Government and Environmental Affairs for the market area. Both Bryce Howard and Christy Pestoni will report directly to Adam Gooderham, Divisional Vice President of Northern California for WCN located in Sacramento, California.

Five references from other government agencies in California.

City of Pismo Beach – Jim Lewis (City Manager)

City of San Jose – Jeff Anderson

County of Santa Clara – Michele Young

Placerville – Pierre Rivas, Director Development Services Department

El Dorado County – Timothy Engle, Supervising Environmental Health Specialist County of El Dorado Environmental Management Department Solid Waste Division

City of Red Bluff – Tom Westbrook, City Manager



WASTE CONNECTIONS
Connect with the Future®

.....
2021 SUSTAINABILITY REPORT
.....



ABOUT WASTE CONNECTIONS

Waste Connections is an integrated solid waste services company that provides non-hazardous waste collection, transfer and disposal services, along with resource recovery primarily through recycling and renewable fuels generation. The Company serves more than eight million residential, commercial and industrial customers in mostly exclusive and secondary markets across 44 states in the U.S. and six provinces in Canada. Waste Connections also provides non-hazardous oilfield waste treatment, recovery and disposal services in several basins across the U.S., as well as intermodal services for the movement of cargo and solid waste containers in the Pacific Northwest. For more information, visit Waste Connections at www.wasteconnections.com.

IN THIS REPORT

Letter from the Chief Executive Officer	2	Employee Engagement	28
Summary Statistics	4	— COVID-19 Focus	30
Operating Values	7	— Servant Leadership	34
Progress Toward Our Targets	8	— Engagement	36
Our Sustainability Targets	10	— Diversity and Inclusion	38
Environmental Stewardship	12	— Safety	40
— Our Net Negative Carbon Footprint	14	— Employee Training and Development	42
— Resource Recovery: Recycling	16	Community Impact	44
— Resource Recovery: Landfill Gas	18	— Select Organizations We Support	46
— Leachate Management	20	— Giving Back	48
— Fleet Emissions and Efficiency	22	— Community Engagement	49
— Zero Waste	24	Governance and Ethics	50
— Material Recovery and Reuse: Exploration and Production Waste	25	GRI Emissions Disclosure	59
— Biodiversity and Site-Closure	26	Sustainability Accounting	62
— Environmental Management System	27	Standards Board Disclosure (SASB)	

OUR PURPOSE

Honoring our commitments provides our stakeholders peace of mind and establishes us as the premier waste services company in the markets we serve. This creates a safe and rewarding environment for our employees while protecting the health and welfare of the communities we serve, thereby increasing value for our shareholders.

SUSTAINABILITY INITIATIVES THAT BENEFIT ALL STAKEHOLDERS



ENVIRONMENTAL

Committed to environmental protection, compliance and the advancement of new technologies.



SOCIAL

Investing in our people by enhancing safety, training and inclusion; supporting communities through charitable programs.



GOVERNANCE

Maintaining sound governance policies that align the interests of shareholders with the Board and Management.



LETTER FROM THE CHIEF EXECUTIVE OFFICER

The challenges of 2020 highlighted the critical roles of culture, values and leadership at all levels as we navigated the COVID-19 pandemic within the context of increased focus on environmental and social justice. We are proud of the accomplishments of our 19,000 employees as they met those challenges and drove continuous improvement not only in our business, but also towards our sustainability objectives.

We view efforts to minimize our impact on the environment and drive continuous improvement in employee safety, welfare, engagement and inclusion as integral to our business, driving long-term value creation for all of our stakeholders.

We are proud to report our progress towards achievement of the fifteen-year aspirational sustainability targets we introduced in 2020, as well as other initiatives we have undertaken to further our efforts to address climate change. We achieved an 8% absolute reduction in Scope 1 and Scope 2 emissions in 2020. We also increased our offsets generated from our services provided led by a 7% increase in landfill gas collected and converted to renewable energy and a 5% increase in recycling tons processed. These efforts further

improved our net negative carbon footprint, reflecting the benefits of both reducing emissions and increasing our offsets to such emissions. Put simply, through our services offered in 2020, we were able to avoid 18.2 million metric tons of CO₂e, a figure that exceeded our emissions generated from operations by over 3.2 times. Going forward, we are well positioned to achieve our aspirational climate-related targets through a growing pipeline of projects under development, including renewable natural gas plants, leachate treatment plants and state-of-the-art greenfield recycling facilities.

In 2020, we also saw a reduction in employee turnover and safety-related incident rates, already below the industry average, plus a further increase in employee engagement. Recognizing



WE HAVE POSITIONED OURSELVES FOR CONTINUED PROGRESS TOWARDS ACHIEVEMENT OF OUR SUSTAINABILITY TARGETS WITH A GROWING PIPELINE OF PROJECTS UNDER DEVELOPMENT

the importance of putting employees first, our safety-focused, servant leadership-based culture guided our decision-making and facilitated our differentiated execution during the COVID-19 pandemic in 2020, and continues to do so. Our ongoing employee support since the onset of COVID-19 brings our investment to over \$40 million, largely focused on the health and welfare of frontline employees and their families. While the pandemic and associated restrictions impacted our traditional approach to providing in-person leadership training and personal development opportunities, we overcame these challenges with an online Learning Management System with increased emphasis on frontline education, significantly expanding the percentage of employees receiving training.

We also introduced a minimum wage target of \$15/hour in 2020, expanded our Employee Scholarship Program that supports the educational goals of our employees' children, and increased our commitments to local food banks and organizations with a focus on families at risk and racial inequities. Building on these efforts, we look forward to rolling out our "Waste Connections Cares Day" to provide employees paid time off for community service, celebration of cultural heritage, or personal time.

Employees can also donate this time to support coworkers in need through our Employee Relief Fund.

As a leading environmental services company, sustainability is not a new concept for us. In fact, many of the initiatives detailed in the following report highlight key areas that we have been pursuing since our inception in 1997, and are now a component of long-term incentive compensation.

As you consider our 2021 updates on sustainability, we hope that you will recognize the value of our track record for creating a culture of accountability, environmental stewardship, and safety, along with the inclusiveness of a servant leadership-driven organization.

We appreciate your interest in sustainability at Waste Connections and invite you to learn more at wasteconnections.com/sustainability.

Worthing F. Jackman
President and Chief Executive Officer

SUMMARY PERFORMANCE STATISTICS¹

	2018	2019	2020
Health and Safety			
Employee Hours	40,460,877	44,637,413	46,279,544
Reportable Incident Rate ²	16.3	17.4	15.4
Total Recordable Injury Rate (TRIR)	2.8	2.9	2.9
Experience Modifier Rate	0.72	0.54	0.62
People			
Total Employees as of Year End	16,356	18,204	18,933
Voluntary Turnover	17.8%	17.8%	14.6%
% of Employees that are Women ³	16.0%	16.0%	16.0%
% of Employees that are Ethnic Minorities ³	41.0%	40.0%	38.0%
% of Employees from Armed Services ³	9.0%	8.0%	8.0%
Training/Leadership Development			
# of Sessions	173	168	231
Employees in Virtual or in-Person Training Sessions	4,444	5,215	12,474
% of Total Employees	27.2%	28.6%	65.9%
Financial Statistics (\$000s USD)			
Revenue	\$ 4,922,941	\$ 5,388,679	\$ 5,445,990
Net Cash Provided by Operating Activities	\$ 1,411,235	\$ 1,540,547	\$ 1,408,521
Facilities			
Hauling Operations	279	300	311
Landfills	93	97	92
Transfer Stations	162	175	185
Intermodal Facilities	6	6	6
Recycling Facilities	64	66	68
E&P Liquid Waste Injection Wells	22	23	23
E&P Waste Treatment and Oil Recovery Facilities	19	19	19
Total	645	686	704



	2018	2019	2020
Fleet			
Total Routed Collection Vehicles	7,221	8,089	8,912
Total Routed CNG Collection Vehicles	1,070	1,119	1,166
Routed CNG Trucks as % of Routed Trucks	14.8%	13.8%	13.1%
Landfill Tons (tons per year)			
Municipal Solid Waste	27,158,637	28,922,292	27,831,800
Special Waste	11,539,499	11,943,036	10,773,600
C&D	6,821,864	7,098,672	6,284,600
Total	45,520,000	47,964,000	44,890,000
Recycled Commodities (tons per year)			
Old Corrugated Cardboard	436,971	452,668	524,787
Old Newspaper	60,460	39,939	39,368
Mixed/Other Paper	232,863	395,511	316,445
Glass	117,277	108,034	108,629
Metal	137,361	64,459	84,247
Aluminum	5,268	5,726	5,922
Plastics	27,219	95,134	90,119
Commingled/Other	519,625	538,046	611,289
Total	1,537,044	1,699,517	1,780,806
Landfill Gas Recovery Systems			
# of Landfill Gas Recovery Systems	52	53	53
# of Power Generation Systems	23	25	28
Annual Standard Cubic Feet Collected for Energy (billions) ⁴	26.2	26.6	28.5
LFG Sales as % of Revenue	1.4%	1.0%	1.1%

¹All data provided here has been subject to internal review and is believed to be correct at the time of reporting. No third party assessment of the data was obtained.

²12-month rolling incident rate, defined as the number of all reportable incidents per 200,000 employee hours worked, preventable and non-preventable.

³WCN began tracking diversity statistics on 12/31/2018; % of calculation excludes individuals that did not disclose; 2020 % of minorities decreased due to impact from more employees self-disclosing.

⁴Prior values have been updated to reflect detailed performance data.





OUR OPERATING VALUES

Safety

We strive to assure complete safety of our employees, our customers and the public in all of our operations. Protection from accident or injury is paramount in all we do.

Integrity

We define integrity as “saying what you will do and then doing it.” We keep our promises to our customers, our employees and our shareholders. Do the right thing, at the right time, for the right reason.

Customer Service

We provide our customers the best possible service in a courteous, effective manner, showing respect for those we are fortunate to serve.

To Be A Great Place To Work

We maintain a growth culture where our employees can maximize their potential personally and professionally. Our objective is to provide an environment where people enjoy what they do and take pride in their work. We wish to embody a work hard, play harder culture.

To Be The Premier Waste Services Company In The U.S. and Canada

We continue to provide superior returns, remain environmentally responsible, and grow in a disciplined way, deploying resources intelligently and benefiting communities we live in. We remain a “different breed”.

PROGRESS TOWARD OUR TARGETS:

Sustainability initiatives with clear objectives are not new to Waste Connections. In fact, they have been an integral part of our business model as a leading environmental services company.

As part of our commitment to provide increased transparency on our sustainability efforts, we introduced fifteen-year aspirational sustainability targets in 2020, along with a commitment of \$500 million towards their achievement. Our targets reflect our sustainability priorities, and they are integral to and consistent with our strategy and focus on value creation for our shareholders.

Our 2020 results show progress towards all of our sustainability priorities, including an 8% reduction in Scope 1 and Scope 2 greenhouse gas emissions. We also increased our offsets generated from our services provided, led by a 7% increase in landfill gas collected and converted to renewable energy and a 5% increase in recycling tons processed. These efforts further improved our net negative carbon

footprint, reflecting the benefits of both reducing emissions and increasing our offsets to such emissions. Put simply, through our services offered in 2020, we were able to avoid 18.2 million metric tons of CO₂e, a figure that exceeded our emissions generated from operations by over 3.2 times.

We also increased the throughput of on-site leachate processing by 13%, and improved our safety incident rate, voluntary turnover and employee engagement as measured by Servant Leadership scores. Our efforts positioned ourselves for continued progress towards achievement of our long-term objectives with a growing pipeline of projects under development, including high Btu Renewable Natural Gas (RNG) plants at our landfills, leachate treatment plants and state-of-the-art greenfield recycling facilities.



ENVIRONMENTAL



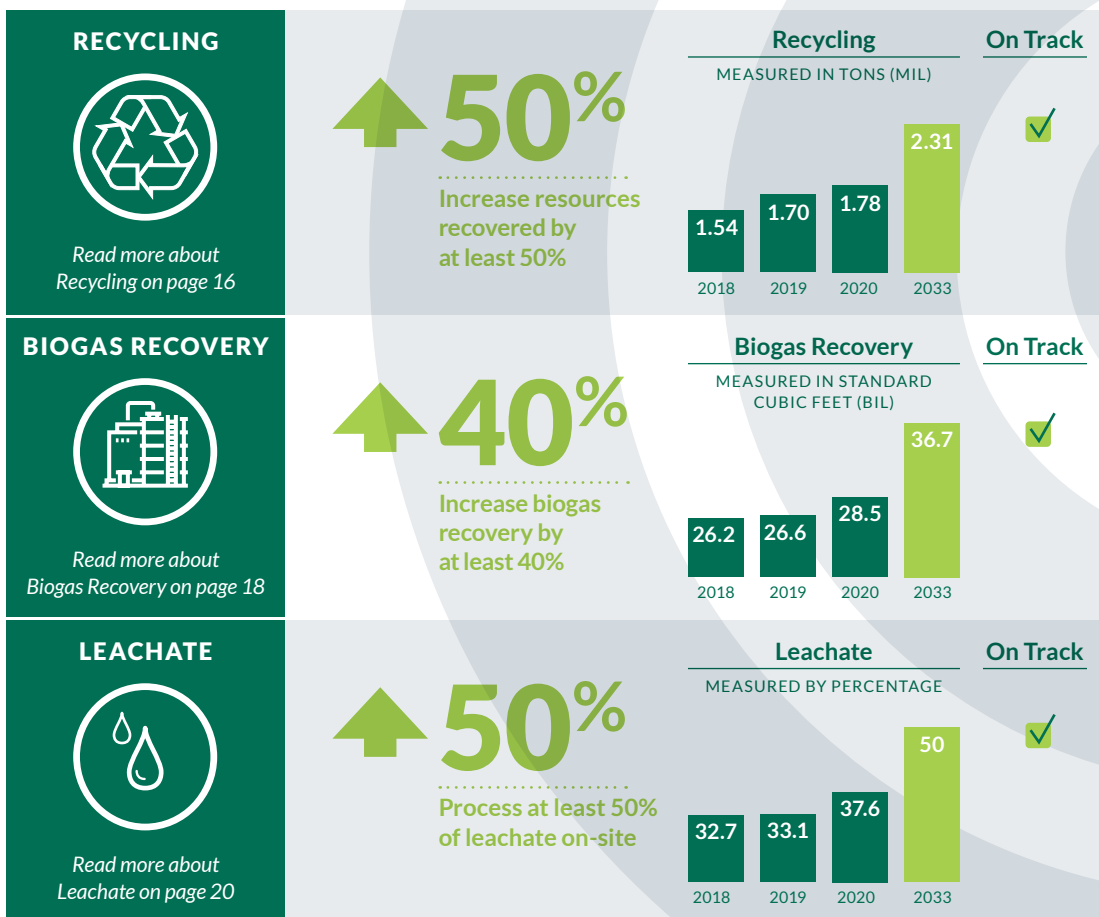
SOCIAL

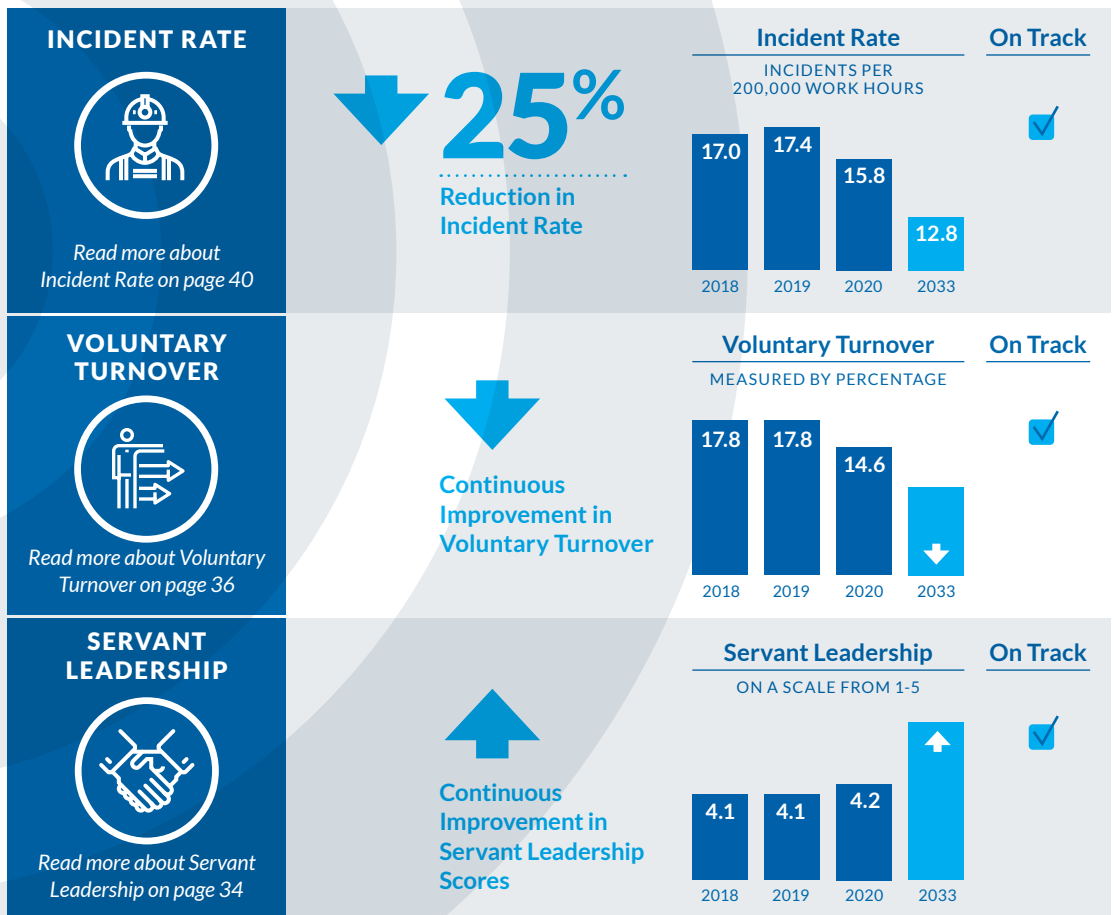


GOVERNANCE

OUR SUSTAINABILITY TARGETS:

The following metrics represent our fifteen-year, aspirational targets, with 2018 as the baseline year. We have been pursuing many of these initiatives since our inception in 1997, and are now incorporating them into long-term incentive compensation. We are pleased to report progress across all metrics in 2020, versus the prior year.





Incident Rate represents same store data from 2018 levels.

Environmental Stewardship



As an environmental services company, Waste Connections is committed to environmental stewardship and we consider it integral to managing and responsibly growing our business. In addition to our Environmental Policy that effectively serves as a guidepost for our standards, we emphasize training, accountability, employee engagement and oversight in order to achieve our environmental objectives. We recognize the importance of minimizing our impact on the environment and the communities we are privileged to serve. As such, our objectives emphasize environmental compliance, resource efficiency, incorporation of biodiversity into site-closure plans along with communication and collaborations with our stakeholders.

Organizationally, our Vice President–Engineering and Sustainability has responsibility for oversight of our Environmental Management System and management of many of our sustainability efforts. Progress towards achievement of our

fifteen-year aspirational targets is incorporated into management compensation and reviewed by our Board of Directors.

With a net negative carbon footprint by a factor of over three times, and an 8% reduction in Scope 1 and Scope 2 emissions in 2020, our environmental targets are consistent with our efforts since our founding. We anticipate further improvements and are committed to expanding our resource recovery capacity through a number of investments, including enhanced optical sorting technology, robotics and new screening equipment at recycling facilities, and construction or acquisition of additional resource recovery facilities. We are also expanding landfill gas recovery and Renewable Natural Gas (RNG) production through enhanced gas collection systems and facilitating the development of additional beneficial use facilities. In addition to these post-collection initiatives, we continue to evaluate the potential for fully electric, zero emission collection trucks, in the future.

OUR NET NEGATIVE CARBON FOOTPRINT

The activity of collecting our customers' solid waste as well as the biodegradation process for certain waste streams within a landfill generates carbon emissions. We recognize the impact that emissions have on climate change and therefore we employ multiple strategies to mitigate these emissions. The proof is in our results, with operational enhancements reducing Scope 1 and Scope 2 greenhouse gas emissions by 8% in 2020. Moreover, consistent with our Environmental Policy, we actively promote the efficient use of resources and in many instances beneficially reuse or divert materials from landfill disposal. For instance, in 2020, we were able to reclaim over four million gallons of petroleum from our E&P waste operations for beneficial reuse in other applications. In addition to processing recyclables at our MRFs, we also segregate additional materials at many landfills and in 2020, we beneficially reused over 170,000 tons of tires, concrete, asphalt and dimensional lumber, and diverted over 136,000 tons of additional material from landfills.

We also actively pursue projects to increase offsets to our emissions, including recycling and the beneficial use of landfill gas. In addition to carbon that is permanently sequestered in our landfills, our recycling services and beneficial reuse of landfill gas avoided 18.2 million metric tons of CO₂e in 2020. These offsets exceeded our emissions generated from operations by over 3.2 times, putting us in a net negative carbon footprint position.

Our largest potential source of emissions results from our landfill operations in which our customers' putrescible waste breaks down over time and produces landfill gas, which we actively work to recover and beneficially reuse. To that end, we install gas collection and control systems when operationally feasible, often in advance of regulatory requirements. In order to mitigate fugitive emissions, we deploy drones at several of our landfills to detect potential breaches, utilize temporary cover systems to encapsulate the gas for beneficial reuse and modernize and expand gas collection systems. Where feasible, we beneficially convert the gas to electricity or renewable natural gas (RNG) that can be injected into a gas transmission pipeline.

Given the aforementioned initiatives, we experienced an 8% reduction in Scope 1 and Scope 2 operational greenhouse gas emissions and further solidified our net negative carbon footprint.



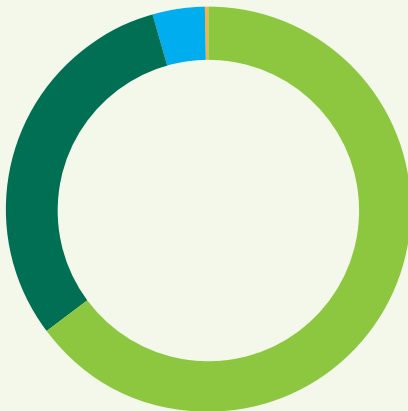
OUR CARBON OFFSETS FROM SERVICES PROVIDED:

Achieving our Targets

We generate carbon offsets through the services that we provide, including recycling and biogas recovery. Therefore, our fifteen-year target to increase carbon offsets, excluding sequestration, by 50% is linked to achievement of our recycling and biogas recovery targets. Given our growing pipeline of these projects under development, we are well positioned to achieve our recycling, biogas recovery and carbon offset targets.

Offsets from Services Provided

MEASURED IN METRIC TONS (MIL)



- Sequestration
- Recycling
- Landfill Gas
- Alt Fuel Vehicles

Total Offsets: 18.20

Emissions from Operations

MEASURED IN METRIC TONS (MIL)



- Scope 1
- Scope 2

Total Emissions: 5.66

> 3.2 x

RESOURCE RECOVERY: RECYCLING

At Waste Connections, resource recovery is a key element of sustainability and includes recycling through our material recovery facilities (MRFs). An integral part of our service offerings, we recycle or divert over 50% of our collected waste volumes in many markets, in some cases over 70%, and we continue to expand these efforts.

In fact, in spite of numerous challenges to the recycling industry including volatility in commodity prices and recent headwinds stemming from COVID-19-related operating challenges, Waste Connections has added recycling processing capacity through the acquisition of state-of-the-art facilities and the enhancement of operating capabilities at our existing MRFs through technology additions.



RECYCLING:

Achieving our Targets

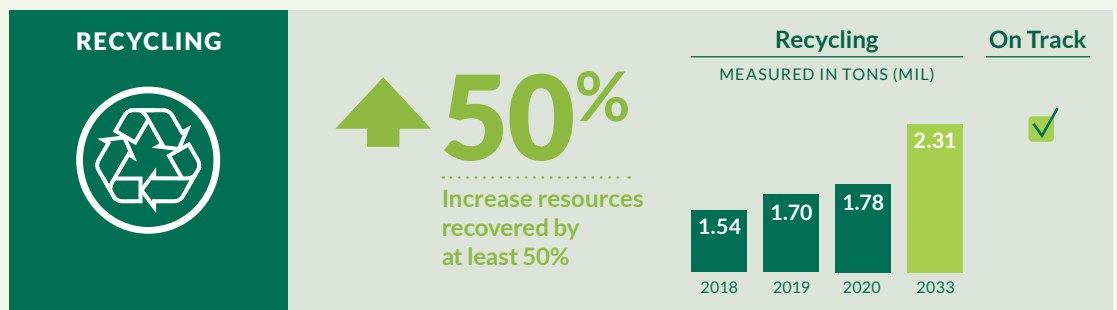
The quality of recycled commodities is largely dependent on front-end source separation efforts, which can vary widely and impact MRF processing costs. Source separation education includes local training efforts, coupled with our WasteConnect app that helps customers confirm if a waste stream is recyclable.

At the plant level, we are investing in additional optical sorters and robotics to manage headcounts at MRFs, increase productivity and improve the quality and value of recycled commodities through reduced contamination rates. Beyond these enhancements at our existing facilities, we are positioned to achieve our targeted expansion of resource recovery by over 50% through increased recycling capacity. We have opportunistically acquired distressed recycling operations. We also plan to construct select greenfield recycling facilities within our footprint to complement or enhance our competitive

KEY 2020 ACCOMPLISHMENTS

In 2020, we expanded our use of robotics including the deployment of 25 robots to seven Material Recovery Facilities. We utilize robotics in various sorting capacities, which increases productivity, and the value of the end commodity through reduced contamination. In response to these additions, as well as select acquisitions, our recycling tons processed in 2020 increased by 5% versus the prior year. Going forward, we are actively pursuing the development of state-of-the-art greenfield recycling projects within our existing markets to more fully integrate our operations. These initiatives position us to achieve our long-term recycling target.

positioning. Moreover, we continue to acquire recycling processing capabilities in conjunction with acquisitions of integrated solid waste operations.



RESOURCE RECOVERY: LANDFILL GAS

Resource recovery also extends to our landfills, where we deploy gas recovery systems and provide renewable energy to many of the communities we serve. We have installed gas collection systems for the capture of landfill gas generated at over 50 of our solid waste landfills with most of our remaining sites accepting substances such as construction and demolition debris or contaminated soils that do not generate sufficient methane gas for recovery.

In many instances, our gas recovery systems exceed regulatory requirements, creating the opportunity to convert additional landfill gas to a renewable energy source and mitigate the environmental impact. From 28 of these gas recovery systems, including one of the largest such recovery plants in North America, we provide the landfill gas to generate electricity for local households, fuel local industrial facilities, and/or to create RNG that can power alternative fuel vehicles. These projects create salable environmental attributes such as carbon emission credits, Renewable Energy Credits (RECs) or Renewable Identification Numbers (RINs).



LANDFILL GAS RECOVERY:

Achieving our Targets

The environmental benefits of utilizing landfill gas to generate electricity or produce pipeline-grade RNG is compelling, with the economic benefit dependent on several factors, including landfill size, age, gas generation rates, and infrastructure costs, as well as the value of the energy produced. At our 28 existing landfill gas recovery systems, we annually process approximately 28.5 billion Standard Cubic Feet (SCF) of gas for conversion to energy, or the equivalent needed to power roughly 289,000 homes.

KEY 2020 ACCOMPLISHMENTS

In 2020, we increased biogas recovery and conversion to energy by 1.9 billion standard cubic feet or approximately 7%. We are actively pursuing a number of additional opportunities for high Btu RNG systems at existing landfills and anticipate completion of another three to five facilities over the next three to five years. Given this outlook, we believe we have solid visibility on achieving our fifteen-year aspirational target to expand biogas recovery by at least 40% from 2018 levels.

BIOGAS RECOVERY



↑ 40%
Increase biogas recovery by at least 40%

Biogas Recovery

MEASURED IN STANDARD CUBIC FEET (BIL)



On Track



LEACHATE MANAGEMENT

When it rains or snows, water infiltrates the buried materials within uncovered sections of landfills and mixes with the liquids and soluble substances contained in municipal solid waste, resulting in leachate. Leachate is contained by an impervious liner system constructed at the bottom of the landfill and is collected through a network of perforated drains. Subsequently, leachate is collected and either sent to a third-party disposal facility, such as a municipal or industrial wastewater treatment plant, or treated on-site through wastewater treatment facilities or evaporation.



LEACHATE MANAGEMENT:

Achieving our Targets

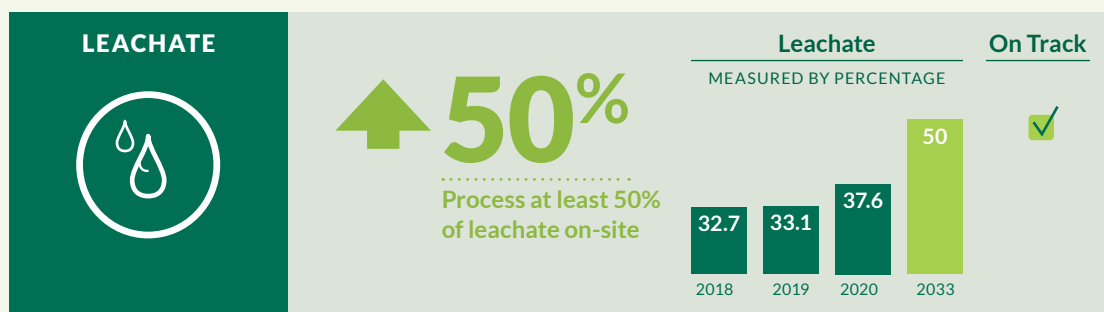
Through our current operations, we generate over 600 million gallons of leachate per year, over two-thirds of which has historically been disposed of off-site. Our fifteen-year aspirational target is to mitigate the environmental impact of transporting and disposing of leachate by enhancing our ability to dispose of leachate using our own facilities to over 50% of leachate generated. Reducing reliance on third parties allows us to more effectively manage the costs and mitigate the impacts associated with the transportation and off-site treatment and disposal of leachate.

In order to further increase our leachate self-sufficiency, we will expand utilization of evaporator technology at some landfills and pursue other landfill practices such as reducing working face size or installation of temporary cover to minimize infiltration of rain or snow. We also will install on-site wastewater plants where applicable.

KEY 2020 ACCOMPLISHMENTS

We expanded on-site leachate treatment by 13% in 2020, bringing our percentage processed on-site to 38%. We also recently began construction on additional leachate treatment facilities that we expect to come on line in 2022 and will further contribute towards achievement of our 50% target.

Always looking for a more cost effective and environmentally conscious way to treat and/or dispose of leachate and other waste, we are independently funding research into new leachate treatment methods with an annual commitment of \$1 million over a five-year period.



FLEET EMISSIONS AND EFFICIENCY

As a route-based business, a portion of our carbon footprint is linked to our fleet, and therefore we look to selectively utilize alternative fuel vehicles as part of our efforts to reduce fleet emissions. In addition to utilizing Compressed Natural Gas (CNG) trucks, we will soon begin beta testing fully electric collection trucks.

In addition, we focus our efforts on reducing consumption of fuel and petroleum-based products through replacement of older trucks

with newer, more efficient trucks, utilizing transfer station networks to consolidate waste onto fewer trucks, installing controls to minimize idling time, and switching to synthetic motor oils with longer replacement intervals, as well as reducing emissions by installing more advanced engine filters. In addition, we utilize technology, including on-board tablets and route optimization software, to minimize driving time, and engine diagnostics software to anticipate issues to avoid downtime.



Innovation

With the expected payload and route capacity of electric collection trucks comparable to diesel trucks, we look forward to beta testing fully electric vehicles, particularly given our encouraging experience from utilization of a hybrid unit in 2021. Although at a significant initial cost premium, the fully electric trucks operate quietly, generate zero emissions and are expected to provide considerable savings in fuel and maintenance expenses relative to comparable diesel trucks. We look forward to expanding the use of alternative fuel vehicles in Waste Connections' fleet over time.



ZERO WASTE

We believe our sustainability initiatives align with and support the efforts of our customers and the communities we serve. We regularly work with customers to increase resource recovery and facilitate their pursuit of zero waste goals. Whether providing services like composting of yard waste and food waste or supporting the introduction of new technologies, such as anaerobic digesters, we partner with communities and industrial customers to advance their objectives to reduce their reliance on landfills, decrease waste disposal costs and reduce emissions. Our easy-to-use reporting and

analytics tool, Recycle 360°, enables our customers to develop waste management plans and track ongoing performance against waste reduction and recycling targets.



MATERIAL RECOVERY AND REUSE: EXPLORATION AND PRODUCTION (E&P) WASTE

With over thirty exploration and production waste treatment and disposal facilities across the United States, Waste Connections is one of the largest providers of non-hazardous E&P waste disposal. Through our E&P subsidiary R360 Environmental Solutions, we help customers responsibly treat, recycle or dispose of drill cuttings, drilling fluids, produced water and other non-hazardous E&P waste, representing an attractive and safe alternative to disposal at the drilling site. Our processes and technology can recover and transform

many of our customers' waste streams into reclaimed oil, recycled produced water and reusable drilling fluids. In fact, since 2018, our E&P waste operations have collectively reclaimed nearly 18 million gallons of base oil, and tons sequestered in landfills and injected into deep formations give R360 a net negative carbon footprint. Pictured below is a night view of our state-of-the-art thermal processing facility near Stanton, Texas, that diverts hydrocarbons from landfills and offers a circular lifecycle to many of our E&P customers.



BIODIVERSITY AND SITE-CLOSURE

We approach our relationships with the communities we serve as long-term partnerships with an eye towards the future and respect for the environment. From the permitting process to operating protocols and eventual site closure, we consider the environmental impact that our businesses have on local habitats and the surrounding communities. At many of our larger landfills, we establish buffer property that utilizes local plants and vegetation to encourage and promote local wildlife and aesthetically blend with other local vegetation. As a part of the permitting process, we engage with local communities to establish a closure plan. As we

anticipate that facilities will ultimately transition into closure, we ensure that closure plans are effective at restoring the land to a condition that is consistent with the biodiversity of the surrounding environment.

Pictured below is our Lachenaie landfill in Terrebonne, Quebec. Since 2019, Lachenaie has supported local pollinating insects by planting a variety of flowers on available land. Each year, the favorable living environment hosts approximately 320,000 honeybees – an example of our commitment to the local ecology and balance between human activity and nature.



ENVIRONMENTAL MANAGEMENT SYSTEM

As detailed in our Environmental Policy, we maintain a robust Environmental Management System (EMS) as part of our operating practices and risk mitigation strategy. Our EMS is an all-encompassing approach to environmental protection and regulatory compliance with oversight by our Vice President—Engineering and Sustainability, along with our Executive Vice President—Engineering and Disposal, and Associate General Counsel—Director of Compliance. It is managed by our Corporate Environmental Manager along with more than 70 trained professionals in the field. Our EMS is designed to prioritize environmental protection and promote the rapid flow of information from the field to those overseeing the EMS.

In order to ensure and track regulatory compliance, we utilize a proprietary compliance-tracking tool called the Cube to provide notifications, tracking and reporting of regulatory and permit-related tasks. The Cube notifies facility managers of upcoming tasks, documents their completion and uploads

to each respective site's operating record. Monthly progress reports are provided to corporate environmental managers, resulting in follow up at multiple levels of management.

Annually, one or more of our environmental professionals audits each disposal site, reviewing operating records, infrastructure and the physical conditions, with potential risks of non-compliance tracked in the Cube for remediation and documentation. Our EMS also regulates the day-to-day handling and documentation of waste streams generated from operations, with all wastes disposed or recycled by third party customers inventoried and tracked through our audit function to demonstrate proper handling.

All sites incorporate emergency response planning, which, depending on geography, may incorporate contingencies for responding to various natural disasters or addressing other regional or local needs. We provide emergency action plan training in order to enhance response plans.

Employee Engagement





Waste Connections has a track record of superior results since its founding in 1997. We attribute that success to a differentiated strategy and a purposeful culture. Our market selection strategy, along with disciplined capital allocation, has produced superior financial results and shareholder returns. However, we believe that while strategy may have positioned us for success, it is our culture of accountability and commitment to excellence that has driven the value creation.

We maintain that our greatest differentiator is not our physical or financial assets; instead, it is our people and our purposeful culture. Our foundation is built on caring for our 19,000 employees, prioritizing safety as our #1 Value and integrating the principles of Servant Leadership – a philosophy we have embraced and expanded upon for over fifteen years – into our day-to-day operations.

CULTURE MATTERS

AT WASTE CONNECTIONS,
WE BELIEVE OUR CULTURE
DRIVES DIFFERENTIATED
RESULTS, AND THEREFORE
INVESTING IN OUR PEOPLE,
OUR GREATEST ASSET,
IS ALWAYS OUR PRIORITY.





RECOGNIZING THE IMPORTANCE OF PUTTING EMPLOYEES FIRST, OUR SAFETY-FOCUSED, SERVANT LEADERSHIP-BASED CULTURE GUIDED OUR DECISION-MAKING AND FACILITATED OUR DIFFERENTIATED EXECUTION DURING THE COVID-19 PANDEMIC IN 2020, AND CONTINUES TO DO SO.

At Waste Connections, we believe that our safety-focused, Servant Leadership-driven culture leads to differentiated results, and therefore investing in our people, our greatest asset, is always our highest priority. As an essential services provider, we recognized from the onset of the COVID-19 pandemic that our communities would count on us and we on each other to honor our commitments; therefore, protecting the health, safety and welfare of our 19,000 employees has guided every decision we have made.

To support and protect our employees, we established protocols and implemented operational changes focused on the health and safety of our frontline employees and achieved seamless transitions to remote work environments for customer service representatives and other support personnel. In addition, we looked to provide a safety net for our employees on issues of income and family health. To that end, we provided full wages for employees feeling ill, under quarantine, or caring for family members, and two-thirds wages for up to 12 weeks for those with childcare issues. Through these

efforts, we enabled our employees to make the right decisions about the health of their families and the well-being of their colleagues, which resulted in continuity of service to the communities we serve.

Recognizing the potential for financial hardship and the challenges unique to this period, we incurred over \$40 million in incremental COVID-19-related costs, primarily supplemental wages which have been provided to all hourly employees, whether union or non-union, remote or on site, as well as temporary workers. We also expanded our Employee Relief Fund for those experiencing financial hardship, launched the Waste Connections Scholarship Program to assist our employees' children in pursuing their educational goals, fully covered COVID-19 related testing and medical costs, improved medical benefits and extended access to medical benefits.

In addition to our near-term COVID-19-related financial commitments, we raised our minimum hourly wage target to \$15/hour in 2020, which

exceeds state and local wage requirements and will positively impact the earnings of over 800 employees. Looking beyond our people, we also recognized the needs of the communities where we live and work, increasing the level of charitable contributions to assist food banks, families at risk, and organizations with a focus on addressing racial inequities at a local or national level, providing meals for healthcare workers and higher risk populations, and donating critical personal protective equipment.

We recognized that reducing employee concerns regarding income, healthcare and family obligations during the pandemic would be critical to providing continuity of service and a bit of normalcy for customers. As we migrate into a new normal with reopening economies amid a lingering risk of infection, we understand the playbook to maintain safety in our operations and remain diligent with safety-related protocols. Unlike many organizations that have eliminated financial assurances, we continue to offer a safety net to our employees. We also recognize the importance of vaccination in reducing transmission of COVID-19 and strongly encourage employees and members of their families get vaccinated. Our strong operating performance during this chaotic and unprecedented period reflects the benefit of this focus and is a testament to the dedication and tireless efforts of every Waste Connections employee, whether in the field or working remotely.

SUPPORTING OUR FRONTLINE



\$40M

Discretionary COVID-19 related expenses, primarily for supplemental employee wages.



\$15/hr

Increased our minimum hourly wage target in 2020.



THE SERVANT LEADERSHIP JOURNEY

Servant Leadership has defined our Company since 2006. The Servant Leadership concept inverts the traditional management hierarchy, positioning leaders to serve their employees both professionally and personally. The philosophy empowers employees by prioritizing their needs, sharing responsibility and driving personal development.

Our leadership development efforts include multi-day Servant Leadership training sessions, district management training, dozens of varying leadership webinar topics, and other safety, sales, maintenance, operations and financial training courses engaging every employee level throughout the Company.

As an organization, we look to continually raise the level of accountability through our annual Servant Leadership survey, which provides

employees the opportunity to grade their managers on an anonymous basis. The score, along with several other metrics such as talent development, are incorporated into the leader's compensation plan. We raise our level of accountability by putting Servant Leadership into action, not just words. Accordingly, we are targeting continuous improvement in Servant Leadership scores as an element of our long-term, aspirational goals.

Recognizing that we have a responsibility to those we have the privilege to lead, we look to position our employees for success, which begins with our most important value: safety. Holding every employee accountable for safety and scoring our leaders on Servant Leadership has driven accountability and produced results, evidenced by industry-leading financial metrics as well as safety and employee turnover levels that are significantly better than the industry average.





RECOGNIZING THE
IMPORTANCE OF PUTTING
OUR EMPLOYEES FIRST,
OUR SAFETY-FOCUSED,
SERVANT LEADERSHIP-BASED
CULTURE GUIDED OUR
DECISION-MAKING
IN 2020.

ENGAGEMENT → RELATIONSHIPS = RESULTS

We identified Engagement as the foundation of our 2020 Vision, as we looked to position Waste Connections for the future with continued focus on the core values that have been integral to our success. That vision of engagement included expanding our offerings for training and development of our leaders and frontline employees, and innovating new technology platforms to increase connectivity with our employees, customers and communities in which we operate.

Our 2020 focus on engagement was timely, as the COVID-19 pandemic necessitated the use of remote alternatives to in-person training and development

and highlighted the importance of connectivity both inside and outside of the Company. We believe that our investment in technology to enhance connectivity and its effectiveness during the pandemic will result in a stronger, more engaged team as we emerge from this period, and over time, lower voluntary turnover.

Our team has responded and recognized Waste Connections externally with a series of employee-nominated awards, including Glassdoor's Employee Choice Awards – Top CEOs as well as Comparably's Best Leadership Team, Best CEO for Women, Best HR Team, Best Sales Team and Happiest Employees.



VOLUNTARY TURNOVER AND ENGAGEMENT :

Achieving our Targets

At Waste Connections, we recognize that employee turnover and engagement metrics can be driven by intentional or unintentional corporate decisions over a protracted period. As such, we purposefully emphasize culture, employee training and development, and accountability in order to drive continuous improvement in both retention and Servant Leadership scores – our reflection of engagement.

Below are several of the engagement-driven efforts launched in 2020:

- :: Launch of *Workplace*, our internal social networking application designed to facilitate communication, connection, recognition, celebrate successes and build relationships across our over 650 facilities;
- :: Implementation of our enhanced Learning Management System to expand content and increase access and visibility on training and development opportunities;

KEY 2020 ACCOMPLISHMENTS

Our engagement focus, coupled with our COVID-19-related response to employee health and financial wellness, resulted in an 18% improvement to voluntary turnover in 2020. More than 80% of our employees responded to our annual Servant Leadership survey – our proxy for engagement – with manager scores further improving in 2020.

- :: Expansion of employee resource groups, including the Waste Connections Women's Network and the Veterans S.E.R.V.E. Network;
- :: Expansion of training and onboarding tools for new employee transition and development; and,
- :: Launch of a wellness website in the U.S. and wellness-related initiatives within Canada

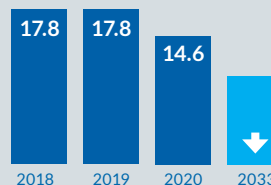
VOLUNTARY TURNOVER



Continuous Improvement in Voluntary Turnover

Voluntary Turnover

MEASURED BY PERCENTAGE



On Track



DIVERSITY AND INCLUSION

At Waste Connections, we are committed to building and developing diverse teams that function in an environment of mutual respect, where employees feel empowered to contribute. Operating across hundreds of markets in the United States and Canada, we recognize the benefits of diversity and the importance of ensuring that employees feel respected and included, encouraged to bring their unique perspectives, ideas and best skills to work each day. In keeping with our efforts to support and encourage diversity and inclusion, we have undertaken several initiatives, including the 2019 introduction of a formal Diversity Policy for our Board of Directors and Senior Management with aspirational targets for female Board representation and additional disclosure on workforce composition.

We also incorporated diversity and inclusion topics into Servant Leadership training and manager assessments in order to ensure that all employees are valued, feel empowered to contribute and are positioned for advancement opportunities. Following our leadership summit that focused on understanding and mitigating unintended biases, we enhanced recruiting practices to ensure the broadest candidate pools, offered monthly diversity and inclusion training modules, established financial commitments to organizations that focus on racial inequities and that support women and children at risk, and supported the development of resource groups including our Women's Network and Veterans' S.E.R.V.E. Network.

Waste Connections is a signatory to the *CEO Action for Diversity & Inclusion*, the largest CEO-driven business commitment to advance diversity and inclusion within the workplace.



DIVERSITY STATISTICS

Workforce Composition (U.S. and Canada)	Unit	Gender		Ethnicity	
		Female	Male	Caucasian	Ethnic Minority
Board of Directors*	Percentage (%)	25%	75%	88%	13%
Top Management Positions**	Percentage (%)	18%	82%	91%	9%
Total Workforce	Percentage (%)	16%	84%	62%	38%

Workforce Ethnic Composition (U.S. Only)*	Percentage
Caucasian	60%
Hispanic	22%
Black	14%
Multiracial	2%
American Indian or Alaska Native	1%
Asian	1%
Native Hawaiian or Other Pacific Islander	1%

Age Breakdown (U.S. and Canada)	Percentage
29 and Under	15%
30 to 49	51%
50 and Over	34%

Employees by Payment Type (U.S. and Canada)	Percentage
Hourly	85%
Salaried	15%

*Board of Directors Ethnicity and Workforce Ethnic Composition does not equal 100% due to rounding.

** Top management positions reflect employees within two levels of the CEO.

TAKING SAFETY TO THE NEXT LEVEL

We believe that safety is the responsibility of each and every employee; it is ingrained in our commitment-based, safety-driven culture. Moreover, as servant leaders are responsible for each employee's success at work and beyond, safety is an integral component of this commitment. We have relied on those

relationships along with tools to develop employee risk-profile rankings and to facilitate effective communication and behavior-based coaching. In 2020, our behavioral-based approach to safety resulted in over 60% of our operating locations either posting zero safety-related incidents or reducing incident frequency versus the prior year.



SAFETY:

Key Initiatives

While we attribute our successful safety record to our culture and behavioral-based approach, we acknowledge that technology can be an important tool in identifying risky behaviors and providing coaching opportunities to address them.

In 2020, we launched a \$10 million fleet-wide upgrade of our onboard camera systems, which are the foundation for establishing our risk-based scoring approach to encouraging safe driving practices. In contrast to existing systems, which largely track inertial movements in vehicles, the next generation systems utilize artificial intelligence and “Machine Vision” to identify additional risks both inside and outside of the cab. Such risk factors inside the cab include unbelted drivers, as well as distracted driving from handheld devices, food and beverages and smoking. Outside of the cab, the units can detect lane departures, rolling stops, unsafe following distances and other critical distances.

KEY 2020 ACCOMPLISHMENTS

The fleet-wide upgrade to next generation camera telematics is well underway with expected completion in early 2022. This technology, combined with lower traffic levels stemming from pandemic-driven restrictions in 2020, led to a 12% reduction in the number of incidents. Further, over 60% of our operating locations either posted zero incidents in 2020 or experienced year-over-year improvement.

Another addition to our safety program was the introduction to our fleet of Freightliner EconicSD trucks with an overhauled cab design that incorporates many of the safety features already included in passenger vehicles, as well as an integrated collision mitigation system, enhanced visibility, and several ergonomic improvements.

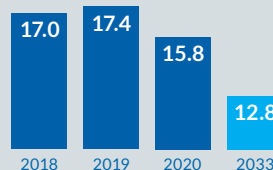
INCIDENT RATE



↓ **25%**
Reduction in
Incident Rate

Incident Rate

INCIDENTS PER
200,000 WORK HOURS



On Track



EMPLOYEE TRAINING AND DEVELOPMENT

At Waste Connections, we continue to expand our training programs to educate our employees beyond pertinent topics such as safety and environmental compliance that foster increased job performance. We also seek to increase employee knowledge and awareness toward increasingly important subjects such as Diversity and Inclusion and Cybersecurity. In 2020, we deployed a new Learning Management System (“LMS”) in order to expand our reach to additional employees and provide mobile and tablet-based trainings. The efforts were timely given the need to limit in-class participation during the COVID-19 pandemic and we significantly increased both course count and employees that participated in training courses. Below are a few notable new training programs:

Diversity and Inclusion Mini Series

We provided monthly Diversity and Inclusion learning modules through our LMS to all employees. Our leaders utilized the mini courses and underlying discussion guides to have a deeper conversation on the topic with their teams. Topics have included unconscious bias, how to practice inclusiveness, breaking down stereotypes, creating psychological safety for employees and teams, allyship, and fostering belonging.

Training the Trainer

We developed a Driver Trainer Certification Course that focuses on how we can best serve our trainees beginning their Waste Connections driving career. The driver trainers learn next level skills to enhance current training strategies. Routing, documentation, distractions, normalization of deviance, Target 4 (safety) and conversation styles highlight the learning content delivered virtually or in-person.

Business Acumen

Business Acumen financial training links expertise in certain roles to Waste Connections strategic priorities. The six-hour online workshop or three day in person session aligns operations to corporate strategy and focuses on the development of the five business drivers – Cash, Profit, Assets, Growth and People.

Cybersecurity training

We offer a five-part training course designed to improve employee cybersecurity awareness and educate users on today’s threats. We also provide digital courses that focus on phishing awareness and common cybersecurity attacks.



THE LAUNCH OF OUR NEW LMS WITH INCREASED EMPHASIS ON FRONTLINE EDUCATION SIGNIFICANTLY EXPANDED THE PERCENTAGE OF EMPLOYEES RECEIVING TRAINING.

Community Impact



GIVING BACK AND MAKING AN IMPACT

At Waste Connections, we also attribute our success to the support we receive from communities we serve, where our employees also live and work. We provide opportunities for our employees to get involved in their communities and consider it a privilege for Waste Connections to also give back through charitable donations or sponsoring community events.

Giving Locally – Waste Connections and our employees support more than a thousand organizations through direct contributions, volunteering and/or fundraising at a local level. Each year, we donate millions of dollars to various charities, including an increasing number of organizations identified by our frontline employees that focus on racial inequities at a local or national level, and that support women and children at risk in disadvantaged communities.

Our Company-wide Culture of Giving – In addition to our local efforts, we are proud of our Company-wide traditions. In 2019, we achieved a 20-year Waste Connections Christmas Promise goal one year ahead of schedule, as employees

across the company assembled and donated over 10,000 bicycles to deserving children, bringing our total donated since inception of Christmas Promise to approximately 65,000 bicycles. In addition, despite canceling our 2020 Annual Waste Connections Golf Classic for Kids due to COVID-19-related safety concerns, we were able to hold virtual auctions and in aggregate raise over \$1 million for charities that support at-risk youth and their families.

Sustainability and Giving – Waste Connections aligns its major financial contributions with its goal to further advance environmental sustainability. For example, our first major grant helped establish the Global Waste Research Institute (GWRI), developed in conjunction with California Polytechnic State University, San Luis Obispo.

The GWRI's mission is to advance state-of-the-art research and development of sustainable technologies and practices to more effectively manage existing and emerging wastes and byproducts. We also regularly contribute to the Environmental Research Education Foundation and fund over \$1 million per year in research related to the environmental industry.

SELECT ORGANIZATIONS WE SUPPORT:

Alzheimer's Resource of Alaska	Chippewas of the Thames First Nation	Hope Ministries
American Cancer Society	Coalition of Communities of Color	Inner City Outreach
American Heart Association	Columbia River Mental Health Foundation	Inspiration Ranch
American Red Cross	Eloy Food Bank	Interfaith of The Woodlands
Angel Reach	Emergency Food Network	Juvenile Diabetes Research Foundation
Beyond Batten Disease	Empire Club of Canada	Kids Meals
Big Brothers Big Sisters	Empower Tehama	Kids 'n Kinship
Boys and Girls Clubs	Equal Justice Initiative	Leukemia & Lymphoma Society
Bridge the Gap	Fondation – CSSS Du Sud De Lanaudiere	Lighthouse for Grieving Children
Bridge to Home	Feed the Front Line	Loaves and Fishes Family Kitchen
Canadian Club of Toronto	Genesis House	Lotus House
CASA Child Advocates	Habitat for Humanity	Love Fosters Hope
Cayuga Seneca Community Center	Henry's Home	Low County Food Bank
Centre for Young Black Professionals	Homeless Youth Connections	Make-a-Wish Foundation
Charleston Area Justice Ministry	Homes4Families	March of Dimes
Children's Home Society		Meals on Wheels



Mission of Hope	St. Jude Children's Research Hospital	Winter Center for Autism
Montgomery County Food Bank	Step by Step	Wreaths Across America
Multiple Sclerosis Foundation	Tent Mission STL	YES to Youth
National Women's Hall Of Fame	The 30-Days Foundation	Young Men's Educational Network (YMEN) Chicago
Northwest Association for Blind Athletes	The Black Coalition for AIDS Prevention	Youth Alliance
Oklahoma Children's Hospital	The Conservation Fund	Youth First
Pink Lemonade Project	The Salvation Army	
Police Association of Ontario	The Wishing Well Foundation	
Redeemed Ministries	Toby Keith Foundation	
Roger Clemens Foundation	United Negro College Fund	
Ronald McDonald House Charities	United Way	
Seneca Falls Fire Department	Veterans Emergency Relief Fund	
Sommet socio-économique pour le développement des jeunes des communautés noires	Volunteer Prince William	
Special Angels	Westborough Police Foundation	
Special Olympics	Win Victim Services	
	Women's Institute for Leadership and Learning	



GIVING BACK TO EMPLOYEES

In 2017, we created the Waste Connections Employee Relief Fund to help employees and their immediate families who have experienced significant financial hardship following a natural disaster or other catastrophic event. In 2020, we expanded its applicability to address unexpected hardships experienced during COVID-19. Through contributions from Waste Connections, our employees and vendors, we assist impacted employees by helping to pay for essential living expenses, such as food, clothing, utilities,

temporary housing, property repairs, and other basic necessities.

In 2020, we also introduced the Waste Connections Scholarship Program, which awards renewable scholarships of \$2,500 each per academic year for up to four years to assist our employees' children to pursue and achieve their vocational, technical and university education goals. Now in its second year, the scholarship program has more than doubled the number of award recipients.



COMMUNITY ENGAGEMENT

Now more than ever it is critical to increase engagement within our communities and connectivity with our customers. Through our WasteConnect app, customers can confirm their collection dates, search our Waste Wizard database to confirm if a waste stream is recyclable, pay their bills, and communicate with their local service provider. We have also simplified the customer onboarding process with streamlined online sign-up and service routed through our proprietary artificial intelligence-enhanced C2O software.

We partner with our communities and in many instances deploy recycling coordinators to schools, community events and residences to provide educational sessions about the benefits of recycling and proper waste management. In 2019, we launched the *Bob Davis Award for Leadership in Sustainability* to recognize employees who demonstrate exemplary leadership in advancing sustainability through implementing or serving on community projects, programs, outreach, education, initiatives or services that benefit their community, customers, coworkers or Waste Connections.



Governance and Ethics

KEY GOVERNANCE ADDITIONS FOR 2021

- Environmental Policy
- Human Rights
- Cybersecurity
- Incentive compensation
now integrating ESG targets

WASTE CONNECTIONS

Since our inception, we have been committed to well-defined principals of corporate governance. Our Corporate Governance Guidelines and Board Charter align the Board of Directors and its four distinct committees with management in order to promote the best interests of the Company. More recently, the Board of Directors adopted a Diversity Policy for the Board of Directors and senior management, which provides for annual progress reviews by the Board. Similarly, the Board provides oversight of our aspirational ESG targets introduced in 2020, with management compensation tied to progress against our ESG targets beginning in 2021.

Highlights of what we believe exemplify our adherence
to sound principles of corporate governance include:

- :: Directors are elected individually;
- :: Majority voting policy for the election of our Directors;
- :: Separate CEO and Chairman of the Board of Directors, or Board Chairman positions;
- :: Having a strong Lead Independent Director serve on the Board of Directors;
- :: Women account for 33% of independent Board members and 25% of total Board members;
- :: Annual Board of Directors and committee evaluation processes;
- :: Board of Directors' oversight of risk;
- :: Robust risk management program related to compensation;
- :: Share ownership requirement for Directors and corporate officers;
- :: Diversity Policy including aspirational targets for Board of Directors composition;
- :: Regular executive sessions of only independent directors; and
- :: Director retirement policy.

Our Board of Directors has four standing committees: the Executive Committee, the Audit Committee, the Compensation Committee, and the Nominating and Corporate Governance Committee. Except for the Executive Committee, the committees are composed entirely of independent, non-employee directors.

The Board's Role in Risk Oversight

The Board of Directors and its committees have an active role in overseeing management of the Company's risks. The Board of Directors regularly reviews information from members of senior management regarding the Company's safety performance, employee retention, financial performance, financial outlook, balance sheet, credit profile and liquidity, as well as the risks associated with each. The Board of Directors also receives reports from members of senior and regional management on areas of material risk to the Company, including market-specific, operational, legal, information technology (including cybersecurity), regulatory and strategic risks. The Board of Directors, with recommendations from the Audit and Compensation Committees, approves and maintains a succession plan for the CEO and other senior management of the Company, including policies and principles for selecting and evaluating a new CEO in the event of an emergency or retirement of the CEO. The Audit Committee

oversees management of financial, financial reporting and internal controls risk. The Compensation Committee assesses and monitors risks relating to the Company's corporate officer compensation policies and practices. The Nominating and Corporate Governance Committee is responsible for overseeing the management of risks associated with the independence of the Board of Directors and potential conflicts of interest.

The Board of Directors receives reports on information technology risks, including cybersecurity and data security risks. Day-to-day management of data security is the responsibility of our Chief Information Officer, who reports directly to the Chief Executive Officer. The Board periodically reviews cybersecurity and data security risks and mitigation strategies with the Chief Information Officer.

The Board of Directors and its committees also have an active role in the Company's efforts to advance sustainability and diversity and inclusion, including the development and approval of targets, monitoring achievement towards such objectives, and evaluating the effectiveness of policies and targets. In addition, the Board added ESG targets as a performance measure in long-term incentive compensation beginning in 2021.

Communications with the Board

Shareholders and other interested parties may communicate with the Board of Directors generally, with the non-employee directors as a group or with a specific director at any time by writing to the Board of Directors, the non-employee directors or a specific director, care of the Company's Secretary, at our principal administrative offices located at Waste Connections, Inc., 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

Shareholder Outreach

We believe that our relationship with and accountability to shareholders are critical to our success. Engaging with our shareholders helps us to understand how they view us, to set goals and expectations for our performance, and to identify emerging issues that may affect our strategies, sustainability initiatives, corporate governance, compensation practices or other aspects of our operations. Our shareholder and investor outreach includes investor road shows, analyst meetings, investor meetings and investor conferences, either virtually or in person. We also communicate with shareholders and other interested parties through various media, including our annual and quarterly reports, sustainability reports, proxy statements and other SEC and Canadian securities filings, press releases and our website. Our conference

calls for quarterly earnings releases and major corporate developments are open to all. These calls are available in real time and are also archived as webcasts on our website. Our President and CEO, Chief Financial Officer and other senior management also regularly engage with investors to discuss our strategy, financial and business performance, and ESG efforts and to update investors on key developments.

Code of Conduct and Ethics

We have adopted a Code of Conduct and Ethics that applies to all of our directors, officers and employees. Our Code of Conduct and Ethics details Company principles to guide employee decision-making in many areas, including:

:: *Conflicts of Interest*

No officer, director or employee may be subject to influences, interests or relationships that conflict with the best interests of the Company.

:: *Full, Fair and Accurate Disclosure*

It is the Company's policy that the information in its public communications, including its SEC filings and filings with the Canadian Securities Administrators, be full, fair, accurate, timely and understandable.

:: *Compliance with Laws, Rules and Regulations*

It is the Company's policy to comply with all laws, rules and regulations applicable to the Company and its operations. The Company's

strict compliance policy also extends to all other applicable laws and regulations, including compliance with the U.S. Foreign Corrupt Practices Act (FCPA), the Canadian Corruption of Foreign Public Officials Act (CFPOA), and other applicable anti-corruption laws; antitrust laws; tax laws; environmental and safety regulations; equal opportunity; non-discrimination and fair employment; and foreign asset control regulations.

:: *Prohibited Accounting Practices*

The Company's policy is to make and keep books, records and accounts that accurately and fairly reflect the transactions of the Company.

:: *Whistleblowing – Reporting Illegal or Unethical Behavior*

All officers, directors and employees should promptly report to senior management all actual or potential illegal or unethical behavior of Company personnel that they observe. The Company encourages and expects full and open communication with senior management even when it appears that less candor may be desirable to protect the Company or members of management. It is the Company's policy and the responsibility of each officer, director and employee to comply with all whistleblower protection laws, rules and regulations.

:: *Compliance and Discipline*

Violations of this Code by officers, directors

or employees will result in disciplinary action that may include termination, referral for criminal prosecution and reimbursement to the Company for any losses or damages resulting from the violation.

:: *Fair Dealing; Moral and Ethical Standards*

Each officer, director and employee must endeavor to deal fairly with the Company's customers, suppliers, competitors and employees and not to take unfair advantage of anyone through manipulation, concealment, abuse of privileged or misappropriated confidential information, misrepresentation of material facts or any other unfair dealing practice. More generally, each officer, director and employee must adhere to and comply with the highest moral and ethical standards of our society in conducting business on behalf of the Company.

:: *Human Rights*

It is the Company's policy and the responsibility of each officer, director and employee to comply with all laws, rules and regulations related to the protection and advancement of human rights, including, but not limited to, laws, rules and regulations governing the use of child labor, compulsory or forced labor, slavery and human trafficking, and freedom of association and collective bargaining.

:: *Insider Trading*

Buying or selling securities, directly or

indirectly through family members or other persons or entities, while possessing material nonpublic information or selectively disclosing such information to others who may trade based on it is prohibited by applicable securities laws.

:: *Contributions*

Officers, directors and employees may not (directly or indirectly) contribute Company funds to, or spend Company funds in support of, any kind of political party, political action committee or other committee in the United States or Canada or to any candidate for, or holder of, any office of any national, state or local government in the United States, or any national, provincial or local government in Canada. Exceptions may be permitted for state, provincial and local contributions in jurisdictions that permit corporate political contributions, but only upon approval by the Company's Chief Executive Officer and in consultation with the General Counsel. In countries other than the United States or Canada, the policy will be determined in accordance with local law and practice as well as laws applicable to the Company.

No political contribution by any officer, director or employee may be made, or even appear to be made, with the Company's funds, or be reimbursed from the Company's funds; nor should

the selection of a candidate or a party be, or seem to be, coerced by the Company. Officers, directors and employees are prohibited from using their positions to induce, coerce or in any way influence any person, including subordinates, to support or contribute time or money to any political party, to the campaign of any candidate for office or to any charitable activity.

The Nominating and Corporate Governance Committee is responsible for, among other matters, the development and implementation of the Company's corporate governance principles, including the review of and compliance with our Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics. The Nominating and Corporate Governance Committee is responsible for monitoring the implementation of the Company's diversity policy on a periodic basis, and at least annually, to assess its effectiveness, monitoring and reviewing the Company's progress in achieving its aspirational targets and reporting the results to the Board, and making recommendations to the Board regarding any revisions to this policy that may be necessary or appropriate.

The Board is responsible for reviewing strategy, policies and performance related to the Company's management of environmental, social and

governance (ESG) issues, including reviewing any reports on the Company's performance against ESG targets, any ESG programs, products and disclosures, and any corporate responsibility policies and programs, in coordination with other committees of the Board, as appropriate.

Copies of our Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics are available on our website at <http://wasteconnections.investorroom.com>. A copy of the Corporate Governance Guidelines and Board Charter and our Code of Conduct and Ethics may also be obtained, free of charge, by writing to our Secretary or Investor Relations at our principal administrative offices located at Waste Connections, Inc., 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380.

Integration of ESG metrics into Management Compensation

In October 2020, the Company adopted long-term, aspirational sustainability targets and committed over \$500 million for investments to meet or exceed such targets. These targets primarily focus on reducing emissions, increasing resource recovery of both recyclable commodities and clean energy fuels, reducing reliance on off-site disposal for landfill leachate, increasing employee engagement, and further improving

our industry-leading safety performance. The Company views its ESG/sustainability initiatives to be consistent with its objective of long-term value creation. As such, the Compensation Committee introduced continuous improvement towards the Company's sustainability targets as an additional performance measure of long-term incentive compensation beginning in 2021.

Data Security and Privacy

We maintain, log and monitor all information and technology assets – data, systems, and applications – that are critical to the operations and success of Waste Connections. We have incorporated a defensive and offensive security strategy built on people, process, and technology with a focus on threat intelligence and security operations.

Waste Connections continues to maintain a robust security posture in response to today's ever-evolving threat landscape. The prime directive of this initiative is the safety and security of our customers' and employees' information. Our security model refers to an information security approach in which security mechanisms and controls are strategically layered throughout our infrastructure to secure our data's confidentiality, integrity, and availability. We have the same expectations for our information technology service providers and all third parties that support the business.

Managing Data Security Risk

We employ the widely recognized National Institute of Standards & Technology Framework for Improving Critical Infrastructure Cybersecurity (The NIST Cybersecurity Framework) to manage cybersecurity risk. This voluntary guidance was developed with private sector input in 2014 and provides a framework for organizations to manage cybersecurity risk. We regularly assess our technologies and monitor our systems and other technical security controls, maintain information security policies and procedures, including an incident response plan, ensure maintenance of backup and valuable systems, and have a team of security personnel managing our efforts and initiatives.

Policies have been put in place to protect our customers and employees from fraudulent activity by building processes that require continuous education, phishing simulations, real-time threat monitoring, and detection. We use vulnerability scanning tools to regularly assess potential data security risks across our businesses. We correlate the results and prioritize any actions based on threat modeling analysis and monitor any actions in-progress with the system owners based on assigned timelines for remediation. In addition, we actively monitor the web for any suspicious domain registrations, social media disinformation, and fraudulent

campaigns being initiated against its customers and/or employees.

Upholding Data Privacy

We strive to protect personal data through reasonable technical and organizational security measures including technical security tools, restrictions on access to data, and physical security measures to help prevent unauthorized or unlawful access, disclosure, loss, destruction, or damage. We access and use personal data for legitimate business purposes and maintain appropriate access controls and use limitations.

Our employees are required to follow all applicable privacy, information security, and data protection laws, including the California Consumer Privacy Act. Our Data Privacy Policy sets forth the principles that govern our treatment of personal data, while our Policy on the Acceptable Use of Systems and Data governs the use and protection of information about our company and information that is stored on our computers and mobile devices. Our policies restrict individuals' access to personal data to those that need access to accomplish a business objective and allow access only for so long as it is necessary.

We endeavor to follow data privacy best practices and have established specific governance structures

to regularly review and improve upon our data privacy processes.

Environmental Policy

Waste Connections is committed to environmental protection and compliance. In order to realize and communicate these commitments to our employees and contractors, Waste Connections has developed an Environmental Policy which applies to all of our employees and contractors. Waste Connections' management, including our Vice President – Engineering and Sustainability, is responsible for communicating, implementing and reviewing this policy annually. A full copy of our Environmental Policy can be found on our website. Below are highlights of our policy:

:: *Environmental Compliance*

Comply with or exceed all local, state and federal environmental laws and regulations in order to manage and mitigate air, water and land-based pollution.

:: *Environmental Management System or “EMS”*

Utilize and continually improve our EMS (The Cube, the Environmental Compliance Audit Center, and/or other future systems) in order to track, audit and promote environmental compliance on a site-by-site basis.

:: *Biodiversity and Site – Rehabilitation*

As facilities are transitioned into closure, ensure that site construction, and closure plans

are effective at restoring the land to a condition that is consistent with the biodiversity of the surrounding environment.

:: *Emergency Preparedness*

Establish emergency response action plans on a site-by-site basis including processes to guide site personnel and local community service providers during emergency events.

:: *Resource Efficiency*

Minimize internal waste generation and incorporate new technologies where applicable to mitigate our environmental impact.

:: *External Communication*

Promote the benefits of proper waste management including resource recovery to local stakeholders and customers.

:: *Stakeholder Engagement*

Partner with and engage the public as part of our environmental decision-making processes in order to promote the fair treatment and the opportunity for meaningful involvement of all people within the communities we serve.

:: *Environmental Performance Measurement*

Report our environmental progress through our annual Sustainability Report, and, as required with regulatory agencies.

:: *Employee Training*

Provide adequate training, oversight and resources to our employees to promote awareness and successful implementation of this Policy.

GLOBAL REPORTING INITIATIVE EMISSIONS DISCLOSURE

EMISSIONS DISCLOSURE

Waste Connections emissions disclosure was developed using the Global Reporting Initiative (GRI) G4 Sustainability Reporting Guidelines. Waste Connections GHG Inventories were prepared by a third-party, independent environmental services firm with the conclusions audited and verified by a separate third-party. The data was prepared in a manner consistent with The Climate Registry (TCR) General Reporting Protocol (GRP) Version 2.1 dated January 2016 and its associated updates and clarifications.

In 2018, Waste Connections began using the SWICS calculation methodology. This methodology is more reflective of modern landfill design and industry

practices, and was utilized for comparison purposes relative to the solid waste peer group.

The impact of carbon sequestration in our landfills is significant and well documented in scientific literature. Due to anaerobic conditions that exist within landfills, lignins and hemicellulosic materials remain undecomposed. They represent approximately 50% of biogenic carbon in the waste stream. Waste Connections disposed of 36,020,954 and 34,116,400 tons of Municipal Solid Waste and Construction & Demolition debris in 2019 and 2020, respectively. In total, our landfills sequestered 12,340,905 and 11,790,884 MT CO₂e in 2019 and 2020, respectively.

G4-EN15:

Direct (Scope 1) greenhouse gas (GHG) emissions

MT CO ₂ e		
2018	2019	2020
5,089,083	6,006,643	5,609,964

G4-EN16:

Energy indirect (Scope 2) GHG emissions

MT CO ₂ e		
2018	2019	2020
53,993	55,442	51,506

G4-EN17: Other indirect (Scope 3) GHG emissions

Emissions Source	MT CO ₂ e		
	2018	2019	2020
Purchased goods and services	821,606	861,763	744,323
Capital goods	233,539	292,218	233,961
Waste generated in operations	117,871	151,342	77,359
Upstream transportation and distribution	429,847	503,351	498,960
Business travel (air and vehicle)	53,166	51,142	49,977
Use of sold products	54,785	84,119	48,436
Total	1,710,814	1,943,936	1,653,017



G4-EN18: GHG emissions intensity

	Unit	2018	2019	2020
Gross Revenue	\$ US Dollars Millions	\$ 4,923	\$ 5,389	\$ 5,446
Scope 1 Emissions	MT CO ₂ e	5,089,083	6,006,643	5,609,964
MT CO ₂ e/\$M Revenue		1,034	1,115	1,030
Scope 2 Emissions	MT CO ₂ e	53,993	55,442	51,506
MT CO ₂ e/\$M Revenue		11	10	9
Scope 1 & 2 Emissions	MT CO ₂ e	5,143,076	6,062,085	5,661,470
MT CO ₂ e/\$M Revenue		1,045	1,125	1,040

G4-EN19: Reduction of GHG emissions

Waste Connections has undertaken several initiatives to reduce GHG emissions. The Company collected landfill gas for use at landfill gas-to-energy facilities at 28 landfills in 2020. The beneficial reuse of landfill gas at these facilities resulted in annual avoided GHG emissions estimated at 690,492 and 746,092 MTCO₂e in 2019 and 2020, respectively. The estimate of avoided emissions assumed that natural gas was the fuel replaced by the use of landfill gas. The avoided emissions were calculated using default methodologies from TCR included CO₂, CH₄ and N₂O emissions.

Waste Connections diverts over 50% of collected waste volumes in certain markets, in some cases over 70%. The estimated avoided GHG emissions in 2019 and 2020 from recycling was 5,037,064 and 5,645,326 MT CO₂e, respectively. These values were calculated using the USEPA Waste Reduction Model (WARM).

Over the past several years, Waste Connections has deployed vehicles using alternative fuels such as compressed natural gas (CNG) and biodiesel as a means of reducing its GHG footprint. Waste Connections currently deploys approximately 1,200 CNG vehicles. The estimated annual

reduction in GHG emissions from CNG vehicles was 22,803 and 21,824 MT CO₂e in 2019 and 2020, respectively. The calculation uses an equivalent diesel vehicle as a baseline.

G4-EN22: Water discharge by quality and destination

In 2019, Waste Connections collected 703,342,262 gallons of leachate with 470,251,239 gallons being sent to third parties for treatment. In 2019, Waste Connections also collected 659,722,620 gallons of E&P produced water for on-site treatment. A total of 31,764,417 gallons of E&P produced water was sent to third parties for treatment in 2019.

In 2020, Waste Connections collected 696,531,341 gallons of leachate with 434,295,795 gallons being sent to third parties for treatment. In 2020, Waste Connections also collected 581,936,547 gallons of E&P produced water for on-site treatment. A total of 21,201,290 gallons of E&P produced water was sent to third parties for treatment in 2020.

Our E&P waste water treatment technologies allow us to process and dispose 100% of drilling-related waters without discharging to surface waters. The majority of waste fluids are injected into brine formations via deep wells.

SUSTAINABILITY ACCOUNTING STANDARDS BOARD DISCLOSURE



SASB APPENDIX

Greenhouse Gas Emissions

	Unit	2019	2020
Gross global Scope 1 emissions	MT CO ₂ e	6,006,643	5,609,964
Scope 1 coverage under emissions-limiting regulations	Percentage (%)	85%	78%
Scope 1 coverage under emissions-reporting regulations	Percentage (%)	85%	78%
Total landfill gas recovered	Million British Thermal Units (MMBtu)	21,547,648	22,939,938
Landfill gas flared	Percentage (%)	39%	40%
Landfill gas used for energy	Percentage (%)	61%	60%

Fleet Fuel Management

	Unit	2019	2020
Fleet fuel consumed	Gigajoules (GJ)	10,501,924	10,743,000
Natural gas as a % of fuel consumed	Percentage (%)	8.0%	7.8%
Alternative fuel vehicles as % of routed collection fleet	Percentage (%)	13.8%	13.1%

Air Quality

	Unit	2019	2020
NO _x (Excluding N ₂ O)	Metric Tons (t)	265	285
SO _x	Metric Tons (t)	62	67
Volatile organic compounds (VOC)	Metric Tons (t)	N/A	7.7
Hazardous air pollutants (HAP)	Metric Tons (t)	N/A	10.9
Number of facilities in or near dense population centers	Number	7	7
Non-compliant air emissions issues	Number	2	2

Management of Leachate

	Unit	2019	2020
Total leachate collected	Gallons (000)	703,342	696,531
Total leachate treated by third parties	Gallons (000)	470,251	434,296
Corrective actions implemented for landfill releases	Number	0	0
Incidents of non-compliance associated with environmental impacts	Number	0	0

Labor Practices

	Unit	2019	2020
Active workforce covered under collective bargaining agreements	Number	3,159	3,172
Work stoppages	Number	0	1
Impacted employees as a percent of total workforce	Percentage	0.00%	0.76%
Total days idle	Days	0	6

Workforce Health & Safety

	Unit	2019	2020
Total recordable incident rate (TRIR) ¹	Rate	2.91	2.90
Incident rate (I-Rate)	Rate	17.4	15.4
Fatality rate	Rate	0.00	0.02

¹ BASIC score definitions are unclear and can be inconsistent; WCN prefers to use TRIR and Incident Rate as a better barometer of safety.



Recycling & Resource Recovery

	Unit	2019	2020
Waste incinerated	Metric Tons (t)	0	0
Hazardous waste incinerated as percent of waste incinerated	Percentage (%)	0%	0%
Energy recovery from waste incinerated	Percentage (%)	0%	0%
Customers receiving recycling	Percentage (%)	50%	50%
Customers receiving composting	Percentage (%)	27%	25%
Amount of material recycled	Metric Tons (t)	1,541,792	1,615,536
Amount of material composted	Metric Tons (t)	210,757	201,991
Amount of material processed as waste-to-energy	Metric Tons (t)	N/M	N/M
Amount of electronic waste collected	Metric Tons (t)	N/M	N/M
Percentage of electronic waste recovered through recycling	Percentage (%)	N/M	N/M

Activity Metrics

	Unit	2019	2020
Customers	Number		
Municipal Contracts	Number	2,000	2,100
Commercial	Number	600,000	720,000
Industrial	Number	100,000	135,000
Residential	Number	6,500,000	7,425,000
Other	Number	200,000	220,000
Vehicle fleet size ²	Number	8,089	8,912
Landfills	Number	97	92
Transfer stations	Number	175	185
Recycling centers	Number	66	68
Composting centers	Number	6	7
Incinerators	Number	0	0
All other facilities	Number	342	352

² Waste Connections does not measure materials managed by customer type.

³ Represents routed vehicles



INDEX

Awards	36	Global Reporting Initiative (GRI)	59–61
Biodiversity	26, 58	Human Rights	54
Bob Davis Award for Leadership in Sustainability	49	Incorporating ESG Metrics into Compensation	56
Carbon Footprint	14–15	Landfill Gas Recovery Systems	14, 18–19
Carbon Offsets from Services Provided	14–15	Landfill Renewable Natural Gas (RNG)	18–19
Carbon Sequestration	14–15, 25, 60	Learning Management System (LMS)/Employee Training	34, 36–37, 42
Code of Conduct and Ethics	53	Safety	40–41
Compressed Natural Gas Trucks (CNG)	22	Servant Leadership	34
Corporate Culture	29	Site Audits	27
COVID–19 Response	31–33	Site-closure	26
Cybersecurity	56–57	Stakeholder Engagement	49
Diversity and Inclusion	38–39	Sustainability Accounting Standards Board Disclosure (SASB)	62–65
Diversity Policy	38	The Board’s Role in Risk Oversight	52
Electric Vehicles	22–23	Third-party Data Verification	60
Emergency Response Planning	27, 58	Voluntary Turnover	37
Employee Relief Fund	48	Waste Diversion	14, 16, 24–25
Employee Scholarship Program	48	Water Management/Leachate	20–21, 61, 64
Environmental Management System (EMS)	27, 58	Whistleblowing	54
Environmental Policy	58	Zero Waste	24
Fifteen-year Aspirational Targets	10–11		



WASTE CONNECTIONS
Connect with the Future®

Company Headquarters

6220 Hwy 7, Suite 600
Woodbridge
Ontario L4H 4G3
Canada

Principal Administrative Offices

3 Waterway Square Place, Suite 110
The Woodlands, Texas 77380
USA
832.442.2200

www.wasteconnections.com



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1935

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency

REPORT BY: Steven Lederer - Manager
Upper Valley Waste Management Agency

SUBJECT: Franchises' Status

RECOMMENDATION

FRANCHISES' STATUS

DISCUSSION AND POSSIBLE ACTION: Manager and Company to provide an update concerning the implementation of franchises' activities.

EXECUTIVE SUMMARY

To brief the Board on various company activities, that may include, but are not limited to:

1. Communications with customers.
2. The Company is considering an investment into a Bio-gasification plant for CFL, which would use woody organics as a fuel to create electricity and biochar. If financially feasible (\$7 million), the plant would support Climate Action plan goals, SB 1383 purchasing requirements, and would be an efficient way to dispose of woody debris. Barriers include permits, financing, and guaranteeing adequate feedstock to "feed" the plant.
3. Other happenings of interest to the Board.
4. Update on recycling markets and relevant legislation.

No Board action is anticipated.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

Nothing additional.

Upper Valley Waste Management Agency

Q1 Report April 1 – June 30, 2022



UPPER VALLEY
DISPOSAL • RECYCLING • COMPOST

Q2 2022

Submitted August 1, 2022

Table of Contents

FRANCHISE AGREEMENT: A YEAR IN REVIEW	2
CONTINUED COMMITMENT	2
OPERATIONAL IMPROVEMENTS	2
NEW SERVICES ADDED:	3
STAFF ENHANCEMENTS ADDED TO IMPROVE OVERALL CUSTOMER SERVICE AND OPERATIONS:	3
ENHANCEMENTS TO OUTREACH & EDUCATION	3
LOOKING AHEAD	3
CUSTOMER REPORT	3
NUMBER OF CUSTOMERS BY TYPE	3
SERVICES BY CUSTOMER TYPE AND PROGRAM	4
RESIDENTIAL CART COUNTS AND WEEKLY SERVICE LEVELS	4
COMMERCIAL CONTAINER COUNTS, COLLECTION FREQUENCY, WEEKLY SERVICE LEVELS	4
CUSTOMER SERVICE REPORT	9
CUSTOMER CALL DATA	10
RESIDENTIAL AND COMMERCIAL SERVICE REQUESTS	10
SUMMARY OF COMPLAINTS AND MISSES	11
CUSTOMER PAYMENT DATA	13
NEW & EXISTING PROGRAMS REPORT	13
COMPOST GIVEAWAY	13
PARTICIPATION BY SERVICE PROGRAM & CUSTOMER TYPE	14
TONNAGE REPORT:	15
Q2 2022 SUMMARY TONNAGE REPORT - UVWMA FRANCHISED MATERIALS	15
Q2 2022 TONS MARKETED - UVWMA FRANCHISED MATERIALS	16
MEMBER REPORT	16
MEMBER FACILITY SERVICES	16
OUTREACH & EDUCATION REPORT	18
STATE RECYCLING LAWS	20
COMMERCIAL OUTREACH & EDUCATION	22
FINANCIAL INFORMATION	ERROR! BOOKMARK NOT DEFINED.
REVENUE REPORT	ERROR! BOOKMARK NOT DEFINED.
AUDITED FINANCIAL STATEMENTS	ERROR! BOOKMARK NOT DEFINED.
ACTUAL OPERATING RATIO AND OPERATING RATIO.	ERROR! BOOKMARK NOT DEFINED.

Upper Valley Waste Management Agency

Q1 Report April 1 – June 30, 2022

Franchise Agreement: A Year in Review

Continued Commitment

Upper Valley Disposal & Recycling (UVD&R) continuously puts forth its best effort to help our jurisdictions meet their Zero Waste and greenhouse gas reduction goals. In 2020, UVD&R entered into a new Franchise Agreement with Upper Valley Waste Management Agency to provide comprehensive services to the City of St. Helena, the City of Calistoga, The Town of Yountville and the surrounding unincorporated areas of northern Napa County. Part of our commitment is to provide the member agencies detailed reporting on a regular basis. Below is a review of all that has been accomplished for the first year of the contract.

Operational Improvements

Our aim, as we implement new technologies and make fleet enhancements, is to keep costs low while maintaining quality service. Our overarching goals were implementation of SB 1383 to residential customers and further expand commercial organics participation. Bulky item implementation and expanded community collection events for electronic waste, paper shredding and compost give always exceeded our expectations for success. Participation was high in the first year for all new programs.

1. Operational improvements over the year
 - a. Clover Flat Landfill & Resource recovery Park: Module 5A new cell construction was completed and Recycling Drop OFF Center resumed at the gate house area. New Septic System was built and is in final days of construction. Reorganization of the C&D Recycling pad was conducted in this quarter.
 - b. Upper Valley Recycling & Compost:
 - i. Expansion of Residential Food Scraps and enhanced incompatibles removal process and quarterly processors SB1383 CalRecycle Reporting. Compost give back to member communities was launched.
 - ii. Worked with LEA to establish a testing and monitoring program for 10-day period each quarter to mitigate contamination.
 - c. UVD&R: Purchased new trucks and installed safety cameras on fleets using a new software program called 3rd Eye. We will continue implementation of 3rd Eye safety cameras on all new trucks purchased.
2. Identification and plan for any obstacles we have encountered that may have slowed or altered our implementation plan.
 - a. We experienced supply chain issues leading to delays in shipment of trucks, containers, and higher prices for goods and services. We experienced this with our bin and cart rehabilitation and replacement costs were double what we anticipated.
 - b. We have, and continue to endure, a very challenging labor market and have made payroll adjustments throughout the quarter in order to keep driver pool and labor pool employed.

- c. Markets continue to be volatile. Commodity prices for recyclables have dropped and goods and services have significantly increased.
- d. We have seen ongoing issues related to Covid and performance productivity. Employees take time off for vacation, return from vacation having contracted Covid in the process are out an additional 10 days paid leave. This has caused a back log on work productivity. The good news is, we have a committed staff who work together to keep our customers satisfied.

New services added:

- Twice per calendar year bulky item collection program for single and multifamily customers including mobile home park residents.
- Implemented food scrap composting program and delivered kitchen pails and educational materials to all residential and multifamily customers.
- Illegal dumping support for municipalities

Staff enhancements added to improve overall customer service and operations:

- Added management staff to better implement and evaluate contract requirements and State mandates for diversion.
- Added a full time Community Outreach Coordinator to implement and monitor recycling and organics programs
- Developed formal policies & procedures for customer service and dispatch staff for implementation of new contract requirements.

Enhancements to Outreach & Education

- Rebranding of companies with updated logos and color schemes.
- Update of all outreach materials including carts, posters, brochures, website and truck wraps.
- Completed Public Outreach & Education Plan and Reporting format.
- Restructured the website to make it more customer friendly.
- Enhanced social media posts.
- Purchased and implemented Recyclist software for commercial customer data tracking.

Looking Ahead

We will continue to work with Napa Resource Conservation District, Napa Green and the farming community to create a more circular organics program. We will start route audits in the last quarter of the year.

Customer Report

Number of Customers by Type

Upper Valley Disposal & Recycling, (the “Company”) uses Soft-Pak, industry software, for the management of customer account information, routing and billing. Customers are presently coded as single family residential (1-4 units), commercial or temporary (short term subscriptions for clean-up helpers and debris boxes).

The goals for the last 6 months of 2022 are 1) to continue auditing commercial and residential accounts for service verification and documentation accuracy, and 2) to conduct “lid flip” audits to identify

contamination and to educate customers on proper sorting. Table 1 shows the average number of customers by type. Mobile home customers who have individual service but do not pay their own bills have been added to the reporting data to help UVWMA meet the requirements for monitoring, outreach, education, and contamination at the generator level for SB 1383.

TABLE 1: Q2 2022 MONTHLY AVERAGE CUSTOMER COUNTS

Customer Type	Calistoga	St. Helena	Yountville	Napa County	Total
Residential	1,166	1,774	689	2,339	5,967
Mobile Home Residents	506	219	233	120	1,078
Commercial	180	291.5	64.5	417.5	953
Temporary	11	15.5	2	81.5	110
Total	1,862	2,300	989	2,958	8,108

Services by Customer Type and Program

Residential Cart Counts and Weekly Service Levels

All residential customers are offered three cart services as part of a “bundled rate”. Included is a gray garbage (landfill) cart, a blue single stream recycling cart and a green organics (compost) cart. The monthly fee is based on the size of the garbage cart. Garbage cart sizes offered are 32, 64, and 96 gallons. Recycling and organics are only offered in the 96-gallon size. Customers may choose to pay additional monthly fees for extra recycling and organics carts. Table 2 details the cart count in each service area by size and total gallons. Because Residential customers include 1-4 units, the cart counts will not match the customer counts.

TABLE 2: RESIDENTIAL SERVICE LEVELS

Residential Weekly Garbage Service										
Q2 2022	Calistoga		St. Helena		Yountville		Napa County		Total All Areas	
CART size	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons
32 gallon	1,651	52,832	1,521	48,672	839	26,848	1,869	59,808	5,880	188,160
64 gallon	279	17,856	118	7,552	65	4,160	449	28,736	911	58,304
96 gallon	91	8,736	55	5,280	20	1,920	237	22,752	403	38,688
Residential Weekly Recycling Service										
Q2 2022	Calistoga		St. Helena		Yountville		County		Total All Areas	
CART size	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons
96 gallon	1,841	176,736	1,591	152,736	838	80,448	2,381	228,576	6,651	638,496
Residential Weekly Organics Service										
Q2 2022	Calistoga		St. Helena		Yountville		County		All Areas	
CART size	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons	# Carts	Total Gallons
96 gallon	2,003	192,288	1,652	158,592	883	84,768	2,505	240,480	7,043	676,128

Commercial Container Counts, Collection Frequency, Weekly Service Levels

Commercial businesses, including multifamily dwellings with 5 or more units, are offered a variety of container types, sizes and collection frequency. Collection frequency is the number of days per week the

customer has service. Customers who subscribe to cart service for garbage (gray cart) are provided one single stream recycling (blue) cart and one organics (green) cart at no additional charge. Commercial customers who subscribe to bin service for garbage service are provided three single stream recycling (blue) carts and one organics (green) cart at no additional charge. Customers may choose to pay additional monthly fees for extra recycling and organics carts. Food scrap carts are offered at no additional charge for those customers with commercial kitchens or large volumes of food waste. Tables 3 and 4 reflect cart and bin service by size and service area. Table 5 details roll-off and compactor service by size, number of empties and total average weekly volume.

TABLE 3: COMMERCIAL CART SERVICE LEVELS

Calistoga							
Q2 2022	Cart Count	Frequency				Weekly Service Levels	
GARBAGE CART SIZE	Totals	1	2	3	4	Total Gallons	Total Yardage
32 gallon	84	57	0	0	27	5,280	26
64 gallon	19	19	0	0	0	1,216	6
96 gallon	159	157	0	2	0	15,648	77
RECYCLING CART SIZE	Totals	1	2	3	4	Total Gallons	Total Yardage
64 gallon	5	5	0	0	0	320	2
96 gallon	377	377	0	0	0	36,192	179
ORGANICS CART SIZE	Totals	1	2	3	4	Total Gallons	Total Yardage
96 gallon	129	129	0	0	0	12,384	61
FOOD SCRAPS CART SIZE	Totals	1	2	3	4	Total Gallons	Total Yardage
64 gallon	68	13	9	46	0	10,816	54

St. Helena						
Q2 2022	Cart Count	Frequency			Weekly Service Levels	
GARBAGE CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
32 gallon	76	76	0	0	2,432	12
64 gallon	32	31	1	0	2,048	10
96 gallon	175	166	2	1	16,608	82
RECYCLING CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
32 gallon	4	4	0	0	128	1
96 gallon	568	568	0	0	54,528	270
ORGANICS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
96 gallon	167	167	0	0	16,032	79
FOOD SCRAPS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
64 gallon	112	22	22	68	17,280	86

Yountville						
Q2 2022	Cart Count	Frequency			Weekly Service Levels	
GARBAGE CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
32 gallon	3	3	0	0	96	0.48
64 gallon	3	3	0	0	192	1
96 gallon	57	57	0	0	5,472	27
RECYCLING CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
96 gallon	138	138	0	0	13,248	66
ORGANICS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
96 gallon	71	71	0	0	6,816	34
FOOD SCRAPS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
64 gallon	42	4	5	33	7,232	36

Napa County						
Q2 2022	Cart Count	Frequency			Weekly Service Levels	
GARBAGE CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
32 gallon	38*	38	0	0	1,216	6
64 gallon	55	55	0	0	3,520	17
96 gallon	152	148	4	0	14,720	73
RECYCLING CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
35 gallon	5	5	0	0	160	1
96 gallon	676	662	14	0	66,240	328
ORGANICS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
96 gallon	209*	207	2	0	20,256	100
FOOD SCRAPS CART SIZE	Totals	1	2	3	Total Gallons	Total Yardage
64 gallon	140	43	54	43	17,920	89

*Cart count reported for Q1 2022 inadvertently included residential housing. They have been corrected for Q2 2022.

TABLE 4: Q2 2022 COMMERCIAL BIN SERVICE LEVELS INCLUDING FRONT LOAD COMPACTORS

Calistoga								
Q2 2022		Frequency						
Commercial Garbage Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin Trash	29	22	7	0	0	0	0	72
2 Yard Front Load Compactor Trash*	5	0	0	5	0	0	0	60
4 Yard Front Load Bin Trash	24	16	4	4	0	0	0	144
6 Yard Front Load Bin Trash	7	6	2	0	0	0	0	60
*compactor compaction rate is 2:1	65							
Commercial Recycling Services	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin	1	0	1	0	0	0	0	2
4 Yard Front Load Bin	25	12	12	1	0	0	0	156
6 Yard Front Load	11	5	6	0	0	0	0	102
	37							260
Commercial Organics Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
No Organics Bin Service	0							0

St. Helena								
Q2 2022		Frequency						
Commercial Garbage Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin Trash	49	42	3	3	1	0	0	122
2 Yard Front Load Compactor Trash*	1	0	1	0	0	0	0	8
4 Yard Front Load Bin Trash	46	29	11	3	1	2	0	296
6 Yard Front Load Bin Trash	17	13	2	1	0	1	0	150
<i>*compactor compaction rate is 2:1</i>	113							576
Commercial Recycling Services	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
4 Yard Front Load Bin	42	37	11	8	4	0	0	264
6 Yard Front Load	28	22	2	1	3	0	0	246
	70							510
Commercial Organics Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
4 Yard Front Load Bin	5	5	0	0	0	0	0	20
6 Yard Front Load	1	1	0	0	0	0	0	6
	6							26

Yountville								
Q2 2022		Frequency						
Commercial Garbage Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin Trash	8	6	1	1	0	0	0	22
2 Yard Front Load Compactor Trash*	1	0	1	0	0	0	0	8
4 Yard Front Load Bin Trash	22	7	7	6	1	1	0	220
4 Yard Front Load Compactor Trash*	2	1	1	0	0	0	0	24
<i>*compactor compaction rate is 2:1</i>	33							
Commercial Recycling Services	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
4 Yard Front Load Bin	23	9	9	3	2	0	0	176
6 Yard Front Load	2	1	0	1	0	0	0	24
	25							200
Commercial Organics Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
4 Yard Front Load Bin	2	2	0	0	0	0	0	8

Napa County								
Q2 2022		Frequency						
Commercial Garbage Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin Trash	92	88	4	0	0	0	0	192
3.5 Yard Fork Truck Bin Trash	11	11	0	0	0	0	0	33
4 Yard Front Load Bin Trash	120	85	19	7	0	5	4	772
6 Yard Front Load Bin Trash	50	36	7	4	0	0	3	480
<i>*Front Load Compactor compaction rate is 2:1</i>	273							1,477
Commercial Recycling Services	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin	6	5	1	0	0	0	0	14
3.5 YD Fork Truck Bin	9	9	0	0	0	0	0	31.5
4 Yard Front Load Bin	144	109	20	14	1	0	0	780
6 Yard Front Load	48	30	10	8	0	0	0	444
	207							1,270
Commercial Organics Service	Total Bin Count	1	2	3	4	5	6	Total Weekly Yards
2 Yard Front Load Bin	2	2	0	0	0	0	0	4
4 Yard Front Load Bin	12	12	0	0	0	0	0	48
6 Yard Front Load	4	4	0	0	0	0	0	16
	18							68

Napa County					
Container type	Size	Count	# Pulls	Avg. Weekly Pulls	Avg. Weekly Yards
Roll-off Garbage	20	45	150	11.54	230.77
Roll-off Garbage	30	21	62	4.77	143.08
Roll-off Garbage	40	13	34	2.62	104.62
Roll-off Recycling	20	7	16	1.23	24.62
Roll-off Recycling	30	11	37	2.85	85.38
Roll-off Recycling	40	1	14	1.08	43.08
Roll-off Organics	20	10	29	2.23	44.62
Roll-off Organics	30	9	34	2.62	78.46
Roll-off Organics	40	2	9	0.69	27.69
Compactor Garbage*	18	1	39	3.00	54.00
Compactor Garbage*	20	1	1	0.08	1.54
Compactor Garbage*	25	1	3	0.23	5.77

**Compactor compaction rate is 3:1*

TABLE 5: ROLL-OFF AND COMPACTOR SERVICE LEVELS Q2 2022

Calistoga					
Container type	Size	Count	# Pulls	Avg. Weekly Pulls	Avg. Weekly Yards
Roll-off Garbage	10	1	12	0.92	9.23
Roll-off Garbage	20	6	34	2.62	52.31
Roll-off Garbage	30	4	16	1.23	36.92
Roll-off Garbage	40	2	19	1.46	58.46
Roll-off Organics	20	1	2	0.15	3.08
Roll-off Organics	30	2	15	1.15	34.62
Roll-off Organics	40	1	0	0.00	0.00
Compactor Garbage*	12	1	2	0.15	1.85
Compactor Recycling*	15	1	0	0.00	0.00
Compactor Recycling	20	1	1	0.08	1.54
St. Helena					
Container type	Size	Count	# Pulls	Avg. Weekly Pulls	Avg. Weekly Yards
Roll-off Garbage	20	17	77	5.92	118.46
Roll-off Garbage	30	3	4	0.31	9.23
Roll-off Garbage	40	5	31	2.38	95.38
Roll-off Recycling	20	1	24	1.85	36.92
Roll-off Recycling	30	4	10	0.77	23.08
Roll-off Recycling	40	1	3	0.23	9.23
Roll-off Organics	20	1	2	0.15	3.08
Roll-off Organics	30	7	25	1.92	57.69
Compactor Garbage*	15	1	1	0.08	1.15
Compactor Garbage*	16	1	1	0.08	1.23
Compactor Garbage*	20	1	3	0.23	4.62
Yountville					
Container type	Size	Count	# Pulls	Avg. Weekly Pulls	Avg. Weekly Yards
Roll-off Garbage	20	2	5	0.38	7.69
Compactor Recycling*	10	1	12	0.92	9.23
Roll-off Recycling	30	1	1	0.08	2.31
Roll-off Organics	20	2	0	0.00	0.00
Roll-off Organics	30	1	3	0.23	6.92
Compactor Garbage*	20	1	9	0.69	13.85

*Compactor compaction rate is 3:1

Customer Service Report

All customer service representatives (CSRs) and dispatchers use special codes in Soft-Pak, the customer management software, to document the types of calls received from customers. Drivers use on-board computers (tablets) to document services completed or skipped using reason codes. They can also enter service notes and pictures of service issues for CSRs to use for customer education and/or informational purposes.

Customer Call Data

General inquiry and service calls have decreased for Q2 2022 from Q1 2022 for residential customers (Table 6) and commercial customers (Table 7). Most of these calls were regarding composting and recycling services, self-hauling materials, and general information about mandatory organics services.

TABLE 6: RESIDENTIAL CUSTOMER CALL DATA

Residential	Calistoga		St. Helena		Yountville		Napa County		Total Calls	Total Calls
Call Data Totals	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022
Billing	6	12	6	11	6	6	10	23	28	52
Service	125	97	192	138	72	36	187	162	576	433
General Inquiry	16	55	28	98	15	34	84	170	143	357
Complaints	1	2	1	0	0	0	0	4	2	6
Compliments	0	0	0	1	0	0	0	5	0	6
Total Calls	148	166	227	248	93	76	281	364	749	854

TABLE 7: COMMERCIAL CUSTOMER CALL DATA

Commercial	Calistoga		St. Helena		Yountville		Napa County		Total Calls	Total Calls
Call Data	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022	Q2 2022	Q1 2022
Billing	4	10	2	5	1	1	20	30	27	46
Service	24	20	35	45	6	10	59	62	124	137
General Inquiry	3	49	3	65	0	17	15	118	21	249
Complaints	2	0	0	0	0	0	0	1	2	1
Compliments	0	0	0	0	0	0	0	0	0	0
Total Calls	33	79	40	115	7	28	94	211	174	433

Residential and Commercial Service Requests

New customers are coded as New Service Starts. Customer accounts are closed due to service cancelation by the customer, or by the Company due to non-payment (SSNP). Customers who cancel service and restart their accounts at the same service address with the same service name are tracked. Service requests are shown in Table 8 (Residential Service Requests) and Table 9 (Commercial Service Requests).

TABLE 8: RESIDENTIAL SERVICE REQUESTS

Residential Service Requests	Calistoga	St. Helena	Yountville	Napa County	Q2 2022 Totals	Q1 2022 Totals
New Service Starts	28	39	20	11	98	85
Cancel Service	30	48	29	13	120	131
Service Restarted	2	7	0	5	14	0
Stop Service for Non-payment (SSNP)	7	20	13	8	48	0
Resume Service from SSNP	19	34	17	60	130	0
Service Change	9	20	5	31	65	72
Repair/Replace Cart at Customer's Request	15	35	20	18	88	72
Repair/Replace Cart at Driver's Request	3	13	5	8	29	25
Illegal Dumping	0	0	0	0	0	0
Total	83	168	80	145	476	385

TABLE 9: COMMERCIAL SERVICE REQUESTS

Commercial Service Requests	Calistoga	St. Helena	Yountville	Napa County	Q2 2022 Totals	Q1 2022 Totals
New Service Starts	6	4	1	6	17	23
Cancel Service	4	2	0	6	14	1
Service Restarted	5	4	1	9	19	0
Stop Service for Non-payment (SSNP)	2	2	1	15	20	43
Resume Service from SSNP	16	15	3	30	64	87
Service Change	4	8	5	14	31	40
Repair/Replace Container at Customer's Request	5	5	3	9	22	0
Repair/Replace Cart at Driver's Request	4	3	1	0	8	11
Illegal Dumping	0	0	0	0	0	4
Total	42	43	16	94	195	209

Summary of Complaints and Misses

The Company tracks complaint calls and resolutions in Soft-Pak using note codes. Issues that cannot be resolved with the customer on the phone are sent to the appropriate manager for resolution within 24 hours. Property damage and complaints about service are always reviewed by a manager. All codes are date and time stamped (Table 10). The Company receives very few calls for complaints (Table 11). All were immediately resolved.

TABLE 10: COMPLAINT CODES

COMPM	Complaint: Multiple Misses	Reported misses > 1 per month.
COMPN	Complaint: Excessive Noise	Start times outside permitted/contracted hours
COMPS	Complaint: Service	This may include discourteous behavior as well as any service-related complaint other than noise, property damage or multiple misses.
PROPD	Complaint: Property Damage	Damage to personal property during service.
COMPR	Compliant resolution	How the problem was resolved.

TABLE 11: COMPLAINT DATA BY AREA

Complaint Type	Calistoga	St. Helena	Yountville	Napa County	Q2 2022 Totals	Q1 2022 Totals
Complaint: Multiple Misses	0	0	0	0	0	2
Complaint: Excessive Noise	0	0	0	0	0	0
Complaint: Service	1	1	0	0	2	0
Complaint: Property Damage	1	0	0	1	2	3
Total Complaint Calls	2	1	0	1	4	5

All customer calls for misses are documented then reviewed in the on-board-computer (OBC) records to see if the driver has recorded a reason for the miss. There was a decrease in number of true missed collections in Q2 2022 (Table 12). All containers were emptied the next day or customers were given the opportunity to set out extra bags at no charge.

TABLE 12: MISSES COMPLAINT REVIEW

Notepad and OBC codes	Q2 2022 Totals	Q1 2022 Totals
MISSG: Miss Garbage	51	49
MISS	14	12
OBC shows blocked	3	0
OBC shows emptied	33	28
OBC shows no space to lift	0	0
OBC showed driver not yet at address	0	1
OBC shows not out	1	8
MISSEO: Miss Organics	23	38
MISS	4	1
OBC shows emptied	12	23
Truck malfunction. Unable to Empty	0	0
OBC shows not out	6	14
OBC shows blocked	1	0
MISSR: Miss Recycling	27	45
MISS	5	5
OBC shows blocked	2	2
OBC shows emptied	9	22
OBC shows no space to lift	0	1
OBC shows not out	10	15
OBC showed driver not yet at address	1	0

Customer Payment Data

Customers can receive paper statements only, electronic statements only, or both paper and electronic statements. Payments can be made by credit card (by phone or through the Soft-Pak bill-pay portal on the website), by check, or by bill pay through their bank. Some customers opt to have the bills paid automatically through our autopay program. Table 13 show the details for Residential payments and Table 14 shows the details for Commercial payments.

TABLE 13: RESIDENTIAL PAYMENT DATA

Residential Customer Data	Q2 2022 Totals	Q1 2022 Totals
# Customers who receive only paper statements	4,883	4,434
# Customers who receive only electronic Statements	1,176	1,154
#Customers who receive both paper and e-statements	372	363
Residential Payment Data	Q2 2022 Totals	Q1 2022 Totals
#Credit Card payment by phone	355	419
#Credit Card by autopay	2,357	2,315
#Credit Card by online bill pay (Web-Pak)	731	726
#Check payment	1,688	1,742
#EFT/ACH from customer's bank account	0	1
#Bill-pay from customer's bank account	911	934

TABLE 14: COMMERCIAL PAYMENT DATA

Commercial Customer Data	Q2 2022 Totals	Q1 2022 Totals
# Customers who receive only paper statements	689	699
# Customers who receive only electronic Statements	207	207
#Customers who receive both paper and e-statements	110	110
Commercial Payment Data	Q2 2022 Totals	Q1 2022 Totals
#Credit Card payment by phone	30	40
#Credit Card by autopay	204	213
#Credit Card by online bill pay (Web-Pak)	99	99*
#Check payment	455	545
#EFT/ACH from customer's bank account	51	54*
#Bill-pay from customer's bank account	45	46

New & Existing Programs Report

Compost Giveaway

Upper Valley Waste Management Agency (UVWMA) is purchasing compost on behalf of up valley jurisdictions as part of UVWMA's compliance with State Law SB 1383. This compost will be free of charge to government agencies, non-profits, green businesses, residents, and commercial businesses on a first come first served basis. Customers can request the free compost by filling out an inquiry form on the UVDS website <https://uvds.com/compost-sales/#freecompostinquiry>. The program officially launched in June. Tons distributed is shown in Table 16.

TABLE 15: JURISDICTIONAL COMPOST GIVEAWAY (TONS)

Customer Type	Calistoga	St. Helena	Yountville	Napa County	Q2 2022 Totals
Green Businesses/Wineries	0	0	0	19.3	19.3
Non-Profits	0	39.82	0	0	39.82
Government	0	0	0	0	0
Residential	0	2.5	0	0	2.5
Total Tons	0	42.32	0	19.3	61.62

Participation by Service Program & Customer Type

Overall participation in the traditional weekly curbside collection program for garbage, single stream recycling, AND organics has remained relatively unchanged for single family residential customers (garbage/recycling/organics.) Commercial customers participating in all three programs has increased (Table 16).

TABLE 16: COMMERCIAL & RESIDENTIAL PROGRAM PARTICIPATION

Q22022 Residential Collection Program Participation	
Garbage Only	1.21%
Garbage + Recycling	9.25%
Garbage + Organics	0.99%
Garbage + Organics + Recycling	88.55%
	100%
Q1 2022 Commercial Collection Program Participation	
Garbage Only	5.36%
Garbage + Recycling	41.79%
Garbage + Organics	0.45%
Garbage + Food Scraps	0.45%
Garbage + Organics + Recycling	37.42%
Garbage + Food Scraps + Recycling	6.90%
Garbage + Organics + Recycling + Food Scraps	4.57%
Recycling Only	1.11%
Food Waste Only	0.00%
Organics Only	0.45%
Recycling + Organics Only	0.89%
Recycling + Food Scraps Only	0.56%
Recycling + Compost + Food Scraps	0.22%
	100%

Two programs are offered for residential customers at no additional charge, the bulky item program and the used motor oil & filters program. Mobile home residents are broken out separately from single family residences in Table 17. Because of service area demographics, oil and filter curbside recycling (Table 18) has been historically low and is utilized by a small but reoccurring number of customers.

TABLE 17: BULKY ITEM/REUSABLE MATERIAL COLLECTION PROGRAM

Residential Bulky/Reusable Item Collection Program						
Quarter	Household Items		E-Waste Items		Appliances	
	# Of Items	# Participants	# Of Items	# Participants	# Of Items	# Participants
Q2 2022	115	72	46	29	35	29
Q1 2022	105	66	54	27	22	18

Mobile Home Park Residents Bulky/Reusable Item Collection Program						
Household Items						
Quarter	# Of Items	# Participants	# Of Items	# Participants	# Of Items	# Participants
Q2 2022	45	24	17	10	15	11
Q1 2022	42	18	11	7	12	10

TABLE 18: USED MOTOR OIL & FILTER COLLECTION PROGRAM

Used Motor Oil/ Filter Collection Program					
Used Motor Oil			Used Motor Oil Filters		
Quarter	# Of Items	# Participants	Quarter	# Of Items	# Participants
Q2 2022	33	13	Q2 2022	9	9
Q1 2022	15	17	Q1 2022	14	17

Tonnage Report:

Q2 2022 Summary Tonnage Report - UVWMA Franchised Materials

Facility	Material	April	May	June	Q2 - 2022
Clover Flat Landfill	Solid Waste	1,161	1,412	1,289	3,862
	Recyclable Materials	-	4	-	4
	Organic Materials	186	180	204	570
	Construction & Demolition Debris	468	512	701	1,681
	Tons Accepted/Collected	1,815	2,108	2,194	6,117
	Tons Disposed	1,161	1,412	1,289	3,862
UVDS MRF	Recyclable Materials	666	667	636	1,969
	Tons Accepted/Collected	666	667	636	1,969
	Tons Disposed	99	96	90	285
UVR Compost	Organic Materials	539	477	568	1,584
	Tons Accepted/Collected	539	477	568	1,584
	Tons Disposed	-	-	-	0
Total	Solid Waste	1,161	1,412	1,289	3,862
	Recyclable Materials	666	671	636	1,973
	Organic Materials	725	764	702	2,191
	Construction & Demolition Debris	468	512	701	1,681
	Tons Accepted/Collected	3,020	3,359	3,328	9,707
	Tons Disposed	1,260	1,508	1,379	4,147
Residual Percentages		January	February	March	Q1 - 2022
Clover Flat Landfill		64.0%	67.0%	58.8%	63.1%
UVDS - MRF		14.9%	14.4%	14.2%	14.5%
UVR - Compost		0.0%	0.0%	0.0%	0.0%

Q2 2022 Tons Marketed - UVWMA Franchised Materials

Commodity	April		May		June	
	Tons	Avg \$/Ton	Tons	Avg \$/Ton	Tons	Avg \$/Ton
Newspaper	30	\$ 120	31	\$ 120	98	\$ 120
Cardboard	237	\$ 122	286	\$ 126	265	\$ 127
Paper - High Grade	-		-		-	
Aluminum	7	\$ 4,952	8	\$ 5,173	0	
Tin Cans	7	\$ 160	8	\$ 200	0	
Glass	191	\$ 112	279	\$ 120	175	\$ 114
HDPE - Clear	7	\$ 700	0		0	
HDPE - Colored	8	\$ 140	6	\$ 140	6	\$ 140
Plastic - PET	21	\$ 1,887	7	\$ 2,047	19	\$ 2,047
Plastic - Mixed	28	\$ 80	37	\$ 90	29	\$ 88
Total Tons	536		662		592	

Member Report

Member Facility Services

Member agencies are offered a variety of container types, sizes, and collection frequency at the contracted facilities. Figures 1-4 show each member facility, the services subscribed to, the containers sizes/frequency of collection and weekly yardage by service area. Diversion (Recycling) rates for each facility are weekly percentages based on all services.

FIGURE 1: NAPA COUNTY MEMBER SERVICES

Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
Napa County Fairgrounds	Commercial Garbage Service	No Service	0		
	Commercial Recycling Service	6 Yard Front Load Recycling	2	Emptied once per week	12
	Commercial Organics Service	No Service	0		
				Recycling (Diversion) Rate	100%
Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
Napa County Roads Department	Commercial Garbage Service	20 Yard Roll-off Garbage	1	Emptied three times in Q1	4.29
	Commercial Recycling Service	96-gallon	3	Emptied once per week	1.43
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	31%
Napa County Public Works	Commercial Garbage Service	32-gallon	1	Emptied once per week	0.16
	Commercial Recycling Service	96-gallon	1	Emptied once per week	0.48
	Commercial Organics Service	No Service			
				Recycling (Diversion) Rate	75%
Napa County Open Space	Commercial Garbage Service	30 Yard Roll-off Garbage	1	Emptied one time in Q2	2.31
				Recycling (Diversion) Rate	0%

FIGURE 2 CALISTOGA MEMBER SERVICES

Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
Calistoga Corp Yard	Commercial Garbage Service	10 Yard Roll-off Garbage	1	Emptied 12 times in Q1	9.23
	Commercial Garbage Service	20 Yard Roll-off Garbage	1	Emptied 13 times in Q1	20.00
	Commercial Recycling Service	4 Yard Front Load Bin	1	Emptied once per week	4
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	13%
Calistoga Waste Water Treatment Plant	Commercial Garbage Service	2 Yard Front Load Bin Trash	1	Emptied once per week	2
	Commercial Recycling Service	4 Yard Front Load Bin Recycle	1	Emptied once per week	4
	Commercial Organics Service	2 Yard Front Load Bin Compost	1	Emptied once per week	2
				Recycling (Diversion) Rate	75%
Calistoga Public	Commercial Garbage Service	96-gallon	4	Emptied once per week	1.92
	Commercial Garbage Service	96-gallon	4	Emptied once per week	1.92
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	56%
Calistoga Police	Commercial Garbage Service	No Service	0		
	Commercial Recycling Service	96-gallon	3	Emptied once per week	1.44
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	100%
Calistoga City Hall	Commercial Garbage Service	64-gallon	1	Emptied once per week	0.32
	Commercial Recycling Service	96-gallon	1	Emptied once per week	0.48
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	75%
Calistoga City Cans	Commercial Garbage Service	32-gallon	27	Emptied four times per week	17.11
	Commercial Recycling Service	96-gallon	25	Emptied once per week	11.88
	Commercial Organics Service	No Service	0		
				Recycling (Diversion) Rate	41%

FIGURE 3: YOUNTVILLE MEMBER SERVICES

Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
Yountville Community Hall	Commercial Garbage Service	96-gallon	4	Emptied once per week	1.90
	Commercial Recycling Service	4 Yard Front Load Bin	3	Emptied once per week	1.43
	Commercial Food Scraps Service	64-gallon	1	Emptied once per week	0.32
				Recycling (Diversion) Rate	48%
Waste Water Treatment	Commercial Garbage Service	2 Yard Front Load Bin	1	Emptied once per week	2
	Commercial Garbage Service	20 Yard Roll-off Garbage	1	Emptied three times in Q1	4.62
	Commercial Recycling Service	6 Yard Front Load Bin Recycle	1	Emptied once per week	6.00
	Commercial Organics Service	30 Yard Roll-off Greenwaste	1	Emptied three times in Q1	6.92
				Recycling (Diversion) Rate	66%
Yountville Town Hall	Commercial Garbage Service	96-gallon	4	Emptied once per week	1.92
	Commercial Recycling Service	96-gallon	2	Emptied once per week	0.96
	Commercial Organics Service	No Service	0		
				Recycling (Diversion) Rate	33%

FIGURE 4: ST. HELENA MEMBER SERVICES

Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
St. Helena City Hall/Public Works	Commercial Garbage Service	4 Yard Front Load Bin	1	Emptied once per week	4
	Commercial Recycling Service	96-gallon	3	Emptied once per week	1.43
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	32%
Facility Name	Service	Container Size	Container Count	Details	Total Weekly Yards
St. Helena Police/Fire Depart.	Commercial Garbage Service	4 Yard Front Load Bin	1	Emptied twice per week	4
	Commercial Recycling Service	96-gallon	8	Emptied once per week	3.80
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
	Commercial Food Scraps Service	64-gallon	1	Emptied once per week	0.32
				Recycling (Diversion) Rate	53%
St. Helena Recreation Dept.	Commercial Garbage Service	96-gallon	1	Emptied once per week	0.48
	Commercial Recycling Service	96-gallon	1	Emptied once per week	0.48
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	67%
St. Helena Library	Commercial Garbage Service	2 Yard Front Load Bin	1	Emptied once per week	2
	Commercial Recycling Service	96-gallon	3	Emptied once per week	1.43
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	49%
St. Helena Corp Yard	Commercial Garbage Service	20-Yard Roll-off Garbage	3	Emptied 15 times in Q1	23.08
	Commercial Garbage Service	2 Yard Front Load Bin	1	Emptied twice per week	4
	Commercial Recycling Service	96-gallon	3	Emptied once per week	1.43
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	7%
Crane Park	Commercial Garbage Service	4 Yard Front Load Bin	1	Emptied twice per week	8
	Commercial Recycling Service	4 Yard Front Load Bin	1	Emptied once per week	4
	Commercial Organics Service	No Service	0		
				Recycling (Diversion) Rate	33%
Waste Water Treatment Plant	Commercial Garbage Service	20 Yard Roll-off	1	N/A	0.00
	Commercial Garbage Service	96-gallon	1	Emptied once per week	0.48
	Commercial Recycling Service	96-gallon	2	Emptied once per week	0.95
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	75%
Water Treatment Plant	Commercial Garbage Service	20 Yard Roll-off Garbage	1	No empties in Q1	0
	Commercial Garbage Service	4 Yard Front Load Bin	1	Emptied once per week	4
	Commercial Recycling Service	96-gallon	1	Emptied once per week	0.95
	Commercial Organics Service	96-gallon	1	Emptied once per week	0.48
				Recycling (Diversion) Rate	26%

Outreach & Education Report

In collaboration with UVWMA, UVDS provides education and outreach to the community that will help reach mutual diversion goals on the path to zero waste. The Company is committed to engage and educate the communities they serve in how they too can be part of the solution. Outreach is the most important aspect in reaching these goals. The operations team, customer service representatives, and Community Outreach Coordinator all work together to help all customers have the “right size” service that fits their needs and results in keeping resources out of the landfill and into the right containers. UVDS offers a diverse communications strategy to engage customers to embrace a culture of resource

conservation. Figure 5 highlights the various types of outreach provided to the community. To reach the majority of customers, the Company uses a combination of communication strategies including tabling at community events, tours, website blog posts (Figure 6), social media (Figure 7), and direct mailers through bill inserts (Figure 8) to customers regularly. Customer questions and driver feedback help guide the messaging content.

FIGURE 5: PUBLIC OUTREACH & EDUCATION



FIGURE 6 WEBSITE BLOG POSTS

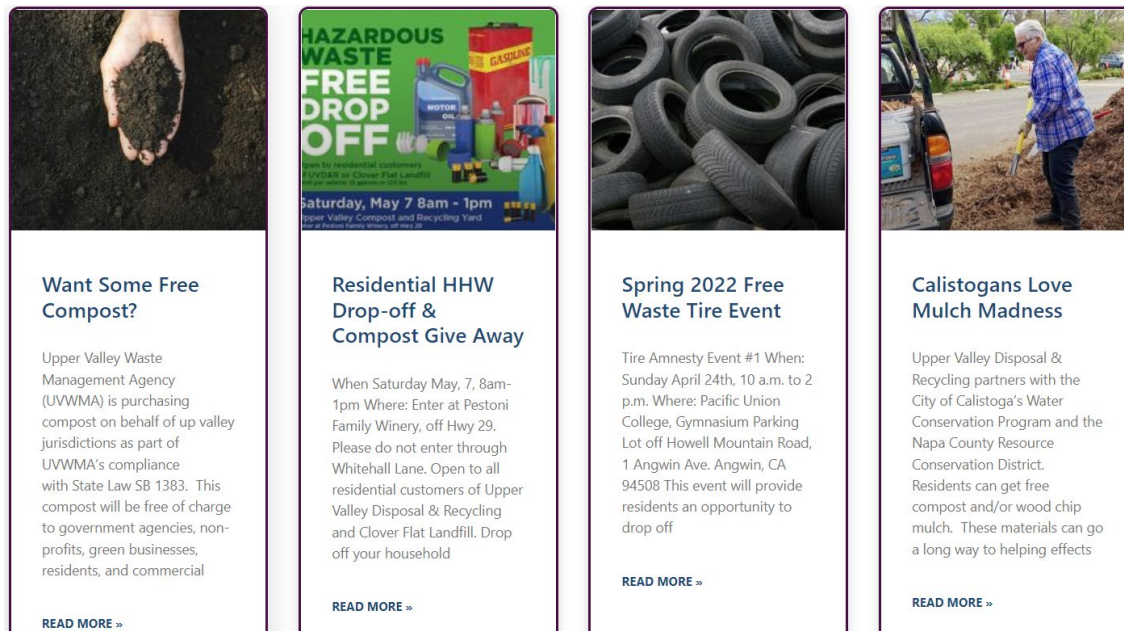
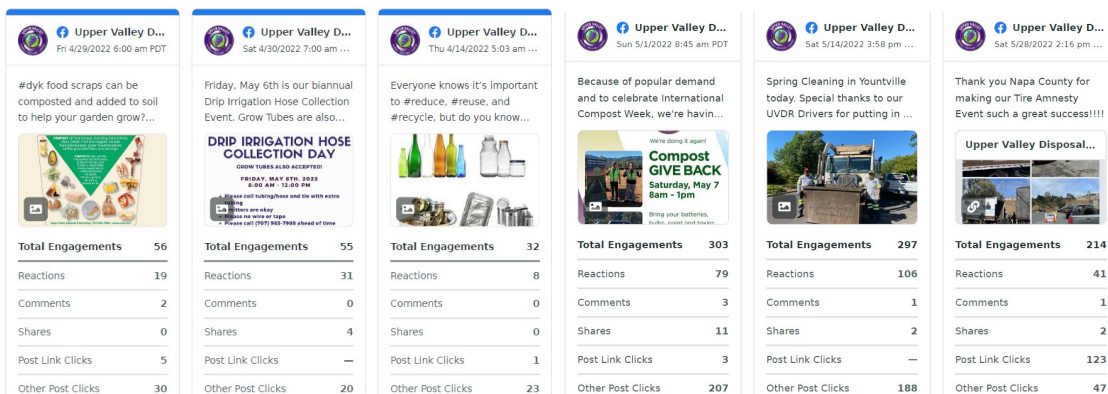


FIGURE 7: SOCIAL MEDIA CAMPAIGNS







Upper Valley Disposal & Recycling	Upper Valley Disposal & Recycling	Upper Valley Disposal & Recycling
Mon 6/20/2022 5:16 am	Tue 6/14/2022 4:29 pm	Fri 6/24/2022 5:21 am PDT
Upper Valley Disposal & Recycling is a family-owned and operated resource haul...	Thank you to our partners, the American Legion, the Boy Scouts of America, and the...	We have seen an increase in contamination in the recycling and compost carts in the las...
		
Total Engagements 837	Total Engagements 483	Total Engagements 431
Reactions 4	Reactions 156	Reactions 68
Comments 4	Comments 2	Comments 4
Shares 3	Shares 7	Shares 4
Post Link Clicks —	Post Link Clicks —	Post Link Clicks —
Other Post Clicks 683	Other Post Clicks 318	Other Post Clicks 355

FIGURE 8: NEWSLETTER BILL INSERT EXAMPLES (RESIDENTIAL AND COMMERCIAL)



Upper Valley
Disposal & Recycling

SUMMER 2022
RESIDENTIAL NEWSLETTER
(707) 963-7988
www.uvds.com


Summer is here, and Harvest Season is right around the corner. Get ready for a season of fun, sustainable events throughout Upper Valley!

Pay by E-Check

You now have even more ways to pay your bill! In addition to checks and credit card payments, you can now pay by e-check. You can call our office or sign up through the website with your banking information for automatic payment from your checking account. Like credit cards, you can opt to have this set up as a recurring payment so you are never behind on a payment. Get started today!

Help us Keep the Compost Clean!

Jose, our Compost Field Supervisor, needs YOUR HELP! Please keep soft flimsy plastics, landfill bound waste and recyclables out of your green compost cart. As Jose says, "we can't make compost out of garbage!"



Contamination and Service Reminders

Gray is the color for garbage that goes to the landfill. Over the next several years, UVDR will begin replacing brown garbage carts with gray carts.

Blue is the color for recyclables like bottles, cans and clean paper.

Green is the color for compostable materials like yard waste, food scraps and food soiled papers.

With a new gray cart, we have new challenges. We have seen an increase in contamination in the recycling and compost carts in the last few months, which can lead to recoverable resources being landfilled. What is contamination?

Contamination is any item placed in the wrong container, such as recyclables in the compost and anything incompatible in any container.


Some common examples of contamination include:

- Plastic bags and other flimsy soft plastics in the recycling or compost.
- Flammable liquids and batteries in the gray bag or compost. These types of materials need to be taken to a HW Facility or brought to a drop-off event.
- Clean cardboard placed in the gray bag or compost. Boxes need to be broken down and placed in the recycling cart. Food soiled or soiled with grease, go in the compost.
- Paper coffee cups are not to be placed in the recycling or compost. These items must be landfilled. The one exception is for milk cartons, which can be recycled.
- Single-use plastic water bottles cannot go into the recycling or composting cart. Instead, use reusable bottles.

Wants to learn what can and cannot go into each of our bins? Visit our website, ask us questions or bring the CONTACT US form and we will get an answer to you within two business days.

Important Updates

- Collection will be one day later the week of July 4th in observance of Independence Day. The office will be closed. Have a great holiday weekend!
- There will be normal collection the week of September 3rd (Labor Day). The office will be closed. Thank you to all of our hard working employees!
- Coastal Cleanup Day is happening on September 17th this year in St. Helena and Calistoga. We will post updated information on our website and Facebook page once we learn more.
- As part of a three year process to modernize and improve collection and facility operations, the June 2021 rate setting process established and approved a year two 10.0% rate increase, effective July 1, 2022.



Upper Valley
Disposal & Recycling

SUMMER 2022
COMMERCIAL NEWSLETTER
(707) 963-7988
www.uvds.com


Summer is here, and Harvest Season is right around the corner. Get ready for a season of fun, sustainable events throughout Upper Valley!

Pay by E-Check

You now have even more ways to pay your bill! In addition to checks and credit card payments, you can now pay by e-check. You can call our office or sign up through the website with your banking information for automatic payment from your checking account. Like credit cards, you can opt to have this set up as a recurring payment so you are never behind on a payment. Get started today!

Help us Keep the Compost Clean!

Jose, our Compost Field Supervisor, needs YOUR HELP! Please keep soft flimsy plastics, landfill bound waste and recyclables out of your green compost cart. As Jose says, "we can't make compost out of garbage!"



Service Reminders

Gray is the color for garbage that goes to the landfill. Over the next several years, UVDR will begin replacing brown garbage carts with gray carts.

Blue is the color for recyclables like rigid plastic bottles and containers, metal cans and clean paper.

Green is the color for compostable materials like yard waste, food scraps and food soiled papers.

Important Updates

- The UVDR office will be closed on Friday, July 8. Commercial Mixed recycling service will be moved one day to Saturday, July 9.
- There will be normal collection the week of September 3rd (Labor Day). The office will be closed. Thank you to all of our hard working employees!
- Coastal Cleanup Day is happening on September 17th this year in St. Helena and Calistoga. We will post updated information on our calendar and Facebook page once we learn more.
- As part of a three year process to modernize and improve collection and facility operations, the June 2021 rate setting process established and approved a year two 10.0% rate increase, effective July 1, 2022.
- SB 1393 is in effect - you are required by law to separate recyclables and compostables from regular garbage. Unsure if you are in compliance? Call our office to find out and receive free assistance!

State Recycling Laws

There are several laws that mandate recycling for commercial customers. The three most relevant laws are summarized below.

1. **AB 341 (Chesbro) Mandatory Commercial Recycling Collection**, enacted in 2012, required commercial businesses who generate four or more cubic yards of garbage per week and multifamily dwellings with 5 or more units to recycle. Generators are not mandated to subscribe to a service; they may self-haul or donate recyclable materials. This law mandates education, outreach, monitoring and reporting of compliance with the law; however, there are no penalties for non-compliance.
2. **AB 1826 (Chesbro) Mandatory Organic Recycling Collection**, enacted in 2016, required commercial businesses and multifamily dwellings with 5 or more units to recycle organic waste

(yard waste, non-treated wood waste, food waste and food soiled papers). Generators are not mandated to subscribe to a service; they may self-haul materials to an organics processing facility or compost limited amounts of materials on site. In 2020, the requirement dropped to 2 cubic yards combined solid waste from 4 cubic yards. This law mandates education, outreach, monitoring and reporting of compliance with the law; however, there are no penalties for non-compliance.

3. SB 1383 (Lara) Short Lived Climate Pollutants: Organics Waste Methane Emissions Reductions was signed into law in 2016 and went effect January 1, 2022. This law sets two targets for the State:

- 1) To reduce organic waste disposal 50% by 2020 and 75% by 2025
- 2) To rescue at least 20% of currently disposed surplus food for people to eat.

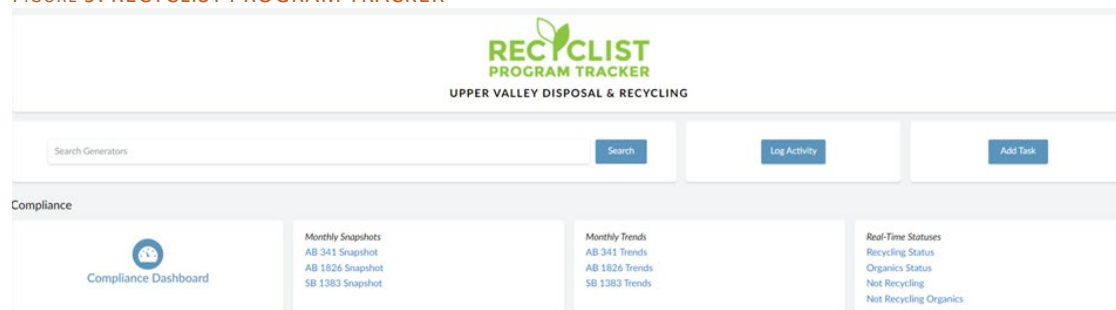
This law mandates education, outreach, monitoring and reporting of compliance with the law. However, unlike the previous two laws, this law includes enforcement and penalties for jurisdictions, processors/facilities, and generators and also includes residential customers.

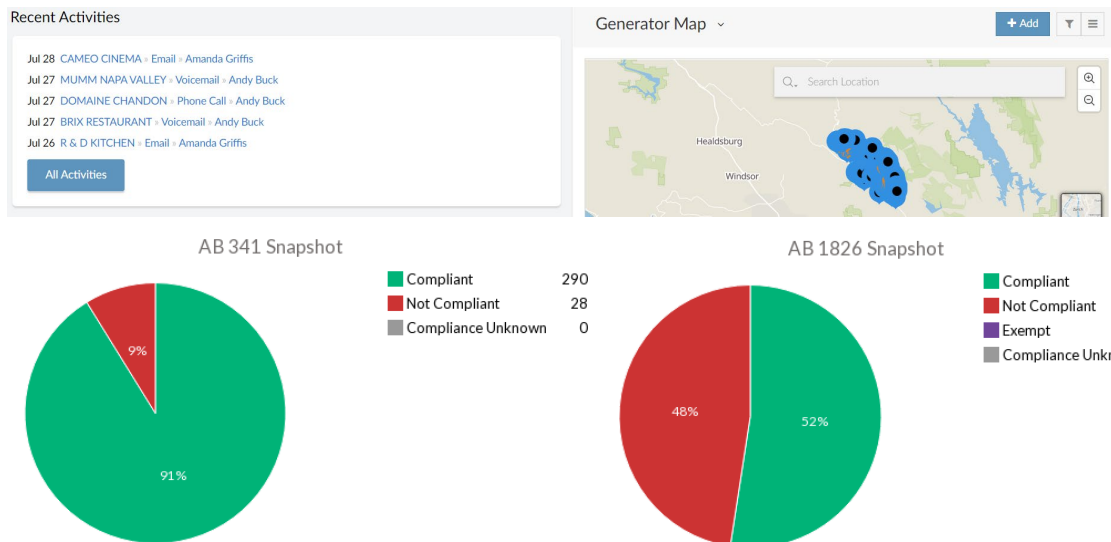
Monitoring and reporting for SB 1383 is very challenging. The Company began using the Recyclist Program Tracker to document outreach, education, and monitoring of commercial customers. Examples the program are shown in Figure 9. The program benefits include:

- Identifying generators
- Generator waste stream insight
- Tracking education and outreach to generators
- Recording waivers issued
- Establishing a system for self-hauler reporting
- Maintaining a detailed list of food recovery organizations and services
- Monitoring compliance of generators, recovery services and organizations
- Tracking annual inspections and compliance reviews
- Issuing notices of violation, following up every 90 days, imposing penalties
- Keeping centralized records for 5 years and providing access on demand within 1 business day
- EAR (Electronic Annual Reports)-Ready Stats & Reports

More details on the program tracker can be viewed at <https://recyclist.co/tracker/>.

FIGURE 9: RECYCLIST PROGRAM TRACKER

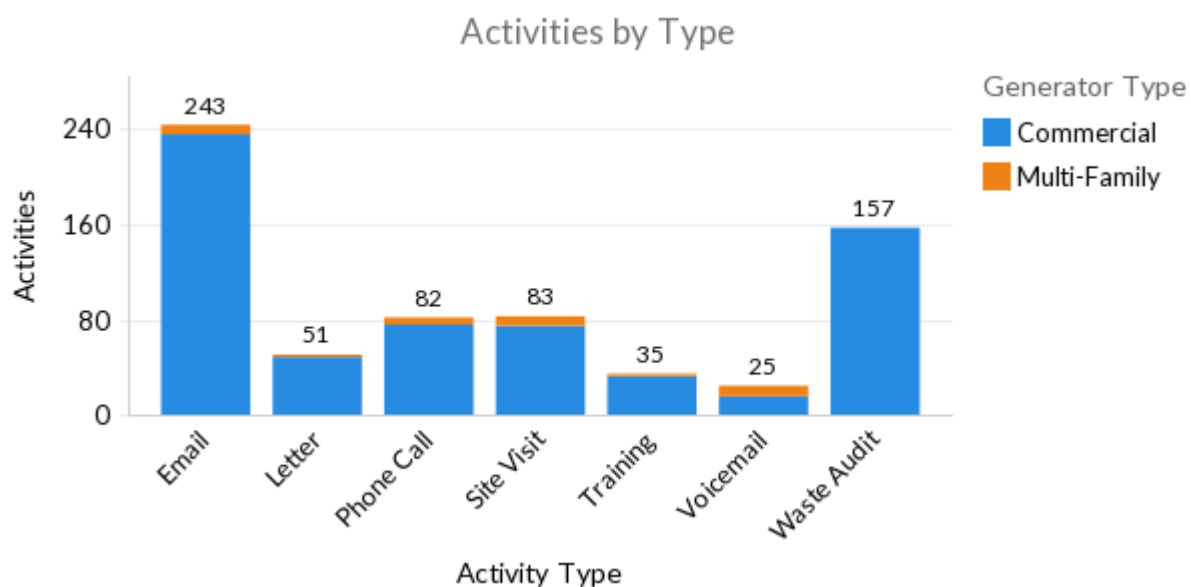




Commercial Outreach & Education

Continuing education & outreach in collaboration with UVWMA to the business community is a priority for Company. Figure 10 shows the outreach and education that was conducted for businesses in Q2 2022.

FIGURE 10: COMMERCIAL BUSINESS OUTREACH & EDUCATION





Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1936

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency

REPORT BY: Steven Lederer - Manager
Upper Valley Waste Management Agency

SUBJECT: Waste Management Companies' Issues

RECOMMENDATION

WASTE MANAGEMENT COMPANIES' ISSUES

DISCUSSION ITEM: This is an opportunity for the franchisee(s) to discuss/raise any items of concern they may wish the UVA to consider.

EXECUTIVE SUMMARY

This is an opportunity for the franchisee(s) to discuss/raise any items of concern they may wish the UVA to consider.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

None



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1901

Agenda Date: 10/17/2022

TO: Board of Directors

FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency

REPORT BY: Steven Lederer - Manager
Upper Valley Waste Management Agency

SUBJECT: Manager's Report

RECOMMENDATION

MANAGER'S REPORT

DISCUSSION AND POSSIBLE ACTION: Manager to provide an update on the status of current activities and obtain Board direction on a process for use of available surplus funds.

EXECUTIVE SUMMARY

Manager to provide an update on the status of current activities.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

The Company submitted an Extraordinary Rate Increase request on May 1, which requested a 5% rate increase in addition to the 10.9% they are entitled to per the Board's action of June, 2021. The request has subsequently been withdrawn. The 10.9%

increase took effect as scheduled on July 1.

Monthly Financial Report: The most recent financial report is attached.

Communications from the community regarding provision of services: The manager received one call asking for additional information on the rate increase.

Agency Insurance: The Agency obtained insurance coverage through the Golden State Risk Management Authority (GSRMA), which is “pooled risk” agency, meaning it writes policies for multiple government agencies and combines them to manage risk and premium costs. Coverage commenced on 8/18/2022, concurrent with the expiration of our previous policy. As such the Agency was never without insurance coverage. The certificate of coverage is attached. As this coverage is some 25% higher in cost than our old coverage, and counting the cost of staff time to obtain the new coverage, the actions of the person(s) who filed the previous frivolous lawsuit against the Agency have thus far cost the rate payers (including the residents of St. Helena), about \$10,000.

Of note, a small group of (intentionally or unintentionally) uninformed persons have made comments that “the landfill was operating without insurance based on the discussion at the Agency’s June meeting”. To be clear, the Agency was discussing insurance for the Agency, not for UVDS or CFL. That insurance is the responsibility of the Company, is in place (see attached certificate), and was never a part of this discussion.



Statement of Revenues and Expenses Budget vs. Actual

Fiscal Year: 2023 Through Period: 12

Fund: 8200 - Upper Valley Waste Mgmt Auth

Object	Budget			Encumbrances	Actuals	Available Budget	% of Budget
	Adopted	Adjustments	Revised				
Intergovernmental Revenues							
43420 - ST - Dept of Conservation	25,000.00	-	25,000.00	-	-	25,000.00	0.00 %
43790 - ST - Other Funding	91,694.00	-	91,694.00	-	-	91,694.00	0.00 %
Total Intergovernmental Revenues	116,694.00	-	116,694.00	-	-	116,694.00	0.00 %
Revenue from Use of Money and Property							
45100 - Interest	7,000.00	-	7,000.00	-	-	7,000.00	0.00 %
Total Revenue from Use of Money and	7,000.00	-	7,000.00	-	-	7,000.00	0.00 %
Charges for Services							
46800 - Charges for Services	480,000.00	-	480,000.00	-	-	480,000.00	0.00 %
Total Charges for Services	480,000.00	-	480,000.00	-	-	480,000.00	0.00 %
Services and Supplies							
52100 - Administration Services	220,000.00	-	220,000.00	-	29,302.54	190,697.46	13.32 %
52125 - Accounting/Auditing Services	20,000.00	-	20,000.00	10,520.00	1,380.00	8,100.00	59.50 %
52140 - Legal Services	90,000.00	-	90,000.00	11,520.00	2,408.50	76,071.50	15.48 %
52310 - Consulting Services	100,000.00	-	100,000.00	80,894.40	14,105.60	5,000.00	95.00 %
52330 - Hazardous Waste Disposal Svcs	80,000.00	-	80,000.00	71,444.00	379.00	8,177.00	89.78 %
52700 - Insurance - Liability	1,957.00	-	1,957.00	-	2,382.00	(425.00)	121.72 %
52800 - Communications/Telephone	700.00	-	700.00	-	132.73	567.27	18.96 %
52810 - Advertising/Marketing	10,000.00	-	10,000.00	-	-	10,000.00	0.00 %
52820 - Printing and Binding	14,000.00	-	14,000.00	-	655.04	13,344.96	4.68 %
52830 - Publications and Legal Notices	2,000.00	-	2,000.00	-	-	2,000.00	0.00 %
52900 - Training/Conference Expenses	500.00	-	500.00	-	-	500.00	0.00 %
52905 - Business Travel/Mileage	500.00	-	500.00	-	-	500.00	0.00 %
53100 - Office Supplies	50.00	-	50.00	-	-	50.00	0.00 %

53110 - Freight/Postage	50.00	-	50.00	-	-	50.00	0.00 %
53400 - Minor Equipment/Small Tools	100.00	-	100.00	-	-	100.00	0.00 %
53600 - Special Department Expense	100,000.00	-	100,000.00	-	2,086.86	97,913.14	2.09 %
Total Services and Supplies	639,857.00	-	639,857.00	174,378.40	52,832.27	412,646.33	35.51 %
Other Charges							
54805 - Community Grants	300,000.00	-	300,000.00	-	-	300,000.00	0.00 %
Total Other Charges	300,000.00	-	300,000.00	-	-	300,000.00	0.00 %

33100 - Beginning Available Fund Balance						1,712,759.95	
Total Revenues	603,694.00		603,694.00			603,694.00	0.00 %
Total Expenditures	939,857.00		939,857.00	174,378.40	52,832.27	712,646.33	24.18 %
Net Surplus / (Deficit)	(336,163.00)	-	(336,163.00)		(52,832.27)		
33100 - Current Available Fund Balance						1,659,927.68	

GSRMA-1549	CO	CERTIFICATE OF COVERAGE	08/18/2022
------------	----	--------------------------------	------------


Primary Insurance Provided by Golden State Risk Management Authority P.O. Box 706 Willows, CA 95988-0706	<small>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BELOW. THIS CERTIFICATE OF COVERAGE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</small>
	<small>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED and/or requesting a WAIVER OF SUBROGATION, the Memorandums of Coverage/Policies must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</small>

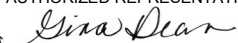
GSRMA MEMBER: UPPER VALLEY WASTE MANAGEMENT AGENCY 1195 THIRD STREET, STE 101 NAPA, CA 94559	COVERAGE AFFORDED BY A - Golden State Risk Management Authority
	COVERAGE AFFORDED BY B -
	COVERAGE AFFORDED BY C -
	COVERAGE AFFORDED BY D -

Coverages
THIS IS TO CERTIFY THAT THE MEMORANDUMS OF COVERAGE/POLICIES LISTED BELOW HAVE BEEN ISSUED TO THE MEMBER NAMED ABOVE FOR THE PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE COVERAGE AFFORDED BY THE MEMORANDUMS/POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH MEMORANDUMS/POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

ENT LTR	TYPE OF COVERAGE	POLICY #	COVERAGE EFFECTIVE DATE	COVERAGE EXPIRATION DATE	MEMBER'S SELF-INSURED RETENTION/ DEDUCTIBLE	LIMITS
	WORKERS' COMPENSATION <input checked="" type="checkbox"/> N/A					
A	GENERAL LIABILITY <input checked="" type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCURRENCE	JPA 0044	08/18/2022	07/01/2023	\$ 0	\$ 250,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> NON-OWNED AUTO <input checked="" type="checkbox"/> HIRED AUTO <input checked="" type="checkbox"/> GARAGE LIABILITY	JPA 0044	08/18/2022	07/01/2023	\$ 0	\$ 250,000
A	CRIME <input checked="" type="checkbox"/> EMPLOYEE THEFT-PER LOSS <input checked="" type="checkbox"/> DEPOSITORS FORGERY OR ALTERATION <input checked="" type="checkbox"/> THEFT, DISAPPEARANCE AND DESTRUCTION <input checked="" type="checkbox"/> COMPUTER AND FUNDS TRANSFER FRAUD	JPA 0044	08/18/2022	07/01/2023	\$ 2,500	\$ 25,000
A	PROPERTY <input checked="" type="checkbox"/> N/A					

Description of Operations/Locations/Vehicles/Special Items:
AS RESPECTS EVIDENCE ONLY.

Certificate Holder FOR THE PURPOSE OF EVIDENCE ONLY C/O UPPER VALLEY WASTE MANAGEMENT AGENCY 1195 THIRD STREET, STE 101 NAPA, CA 94559	Cancellation SHOULD ANY OF THE ABOVE DESCRIBED MEMORANDUMS OF COVERAGES/POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE MEMORANDUMS OF COVERAGE/POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

GSRMA-1549	CO	CERTIFICATE OF COVERAGE	08/18/2022			
Public Risk Innovation, Solutions, and Management C/O ALLIANT INSURANCE SERVICES, INC. 18100 VON KARMAN AVENUE, 10TH FLOOR IRVINE, CA 92612 PHONE (949) 756-0271 / FAX (619) 699-0901 LICENSE #0C36861		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BELOW. THIS CERTIFICATE OF COVERAGE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.				
		IMPORTANT: If the certificate holder is an ADDITIONAL INSURED and/or requesting a WAIVER OF SUBROGATION, the Memorandums of Coverage/Policies must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).				
		COVERAGE AFFORDED BY A - See attached schedule of insurers				
MEMBER: Golden State Risk Management Authority P.O. Box 706 Willows, CA 95988-0706		COVERAGE AFFORDED BY B - Public Risk Innovation, Solutions, and Management				
		COVERAGE AFFORDED BY C - National Union Fire Insurance Company of Pittsburgh, PA (AIG) Berkley Insurance Company				
GSRMA MEMBER: UPPER VALLEY WASTE MANAGEMENT AGENCY						
Coverages THIS IS TO CERTIFY THAT THE MEMORANDUMS OF COVERAGE/POLICIES LISTED BELOW HAVE BEEN ISSUED TO THE MEMBER NAMED ABOVE FOR THE PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE COVERAGE AFFORDED BY THE MEMORANDUMS/POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH MEMORANDUMS AND POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
ENT LTR	TYPE OF COVERAGE	MEMORANDUM # /POLICIES	COVERAGE EFFECTIVE DATE	COVERAGE EXPIRATION DATE	MEMBER'S SELF-INSURED RETENTION/ DEDUCTIBLE	LIMITS
	WORKERS' COMPENSATION <input checked="" type="checkbox"/> N/A					
A	GENERAL LIABILITY <input checked="" type="checkbox"/> EXCESS GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCURRENCE	PRISM PE 22 EL-63	08/18/2022	07/01/2023	\$ 250,000	Difference between \$1,000,000 and the Member's Self-Insured Retention
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> HIRED AUTO <input checked="" type="checkbox"/> NON-OWNED AUTO <input checked="" type="checkbox"/> GARAGE LIABILITY	PRISM PE 22 EL-63	08/18/2022	07/01/2023	\$ 250,000	Difference between \$1,000,000 and the Member's Self-Insured Retention
B	CRIME <input checked="" type="checkbox"/> EXCESS GOVERNMENTAL CRIME POLICY	01-468-30-06 BGOV-45003949-22	08/18/2022 08/18/2022	06/30/2023 06/30/2023	\$25,000 \$10,000,000 Per Occurrence limit Subject to member deductible \$5,000,000 Per Occurrence Limit \$1,000,000 Sublimit Applies To Faithful Performance	
A	PROPERTY <input checked="" type="checkbox"/> N/A					
Description of Operations/Locations/Vehicles/Special Items: AS RESPECTS EVIDENCE ONLY.						
Certificate Holder FOR THE PURPOSE OF EVIDENCE ONLY C/O UPPER VALLEY WASTE MANAGEMENT AGENCY 1195 THIRD STREET, STE 101 NAPA, CA 94559			Cancellation SHOULD ANY OF THE ABOVE DESCRIBED MEMORANDUMS OF COVERAGES/POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE MEMORANDUMS OF COVERAGE/POLICIES PROVISIONS.			
			AUTHORIZED REPRESENTATIVE  Public Risk Innovation, Solutions, and Management			

Newfront Insurance Services
1435 N McDowell Blvd Ste 320
Petaluma, CA 94954

MAIL DOCUMENT

Certificate of Insurance Delivery by **ecertsonline™**

Upper Valley Waste Management Agency
Attn: Steven E. Lederer, Director
1195 Third Street
Napa CA 94559

Sender: Kat O'Bryan

Phone: 650-488-8565

Subject: Cert No. 69831694 - Certificate of Liability: Clover
Flat Land Fill Inc. -

Date: 8/22/2022

No. of Pages: 5

URL: WWW.TheABDteam.com

CFL

RECEIVED

AUG 29 2022

NAPA CO
DEPT OF PUBLIC WORKS

THIS MESSAGE IS INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THE MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA REGULAR POSTAL SERVICE.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/22/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Newfront Insurance Services 1435 N McDowell Blvd Ste 320 Petaluma, CA 94954 WWW.TheABDteam.com	CONTACT NAME: Cert Request PHONE (A/C, No, Ext): 650-488-8565 FAX (A/C, No): E-MAIL ADDRESS: TechCertRequest@theabdteam.com	
	INSURER(S) AFFORDING COVERAGE	
INSURED Clover Flat Land Fill Inc. P.O. Box 382 St. Helena CA 94574	INSURER A: Westchester Surplus Lines Insurance Co	
	INSURER B: Colony Insurance Company	
	INSURER C: Travelers Casualty and Surety Co of Amer	
	INSURER D:	
	INSURER E:	
INSURER F:		NAIC # 10172 39993 31194

COVERAGES

CERTIFICATE NUMBER: 69831694

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G24156114 007	8/19/2022	8/19/2024	EACH OCCURRENCE \$10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$50,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$10,000,000 GENERAL AGGREGATE \$10,000,000 PRODUCTS - COMP/OP AGG \$10,000,000 Deductible \$5,000 COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			EXO 302534	8/19/2022	8/19/2024	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$ PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				
A C	Pollution Liab Third Party(ClaimMade) Crime - Third Party		<input checked="" type="checkbox"/>	G24156114 007 107461381	8/19/2022 8/19/2022	8/19/2024 8/19/2023	\$10,000,000 Ded \$25K Each Claim \$5,000,000 Limit/\$50,000 Retention

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Franchise Agreement

Upper Valley Waste Management Agency and each Member, its officers, agents, and volunteers are additional insureds on a primary and non-contributory basis as respects general liability per attached endorsements. Waiver of subrogation apply as respects general liability and pollution liability as required by written contract per attached endorsement form. Excess liability follows form.

CERTIFICATE HOLDER

CANCELLATION

Upper Valley Waste Management Agency
 Attn: Steven E. Lederer, Director
 1195 Third Stree
 Napa CA 94559

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Rod Sockolov

© 1988-2015 ACORD CORPORATION. All rights reserved.

ACORD 25 (2016/03)

The ACORD name and logo are registered marks of ACORD

POLICY NUMBER: G24156114 007

COMMERCIAL GENERAL LIABILITY
CG 20 10 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
As required by written contract, prior to a loss to which this insurance applies	As required by written contract, prior to a loss to which this insurance applies
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
 2. The acts or omissions of those acting on your behalf;
- in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

G24156114 007

8/22/2022

COMMERCIAL GENERAL LIABILITY
CG 20 01 04 13**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.****PRIMARY AND NONCONTRIBUTORY –
OTHER INSURANCE CONDITION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PARTThe following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:**Primary And Noncontributory Insurance**

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

- (1) The additional insured is a Named Insured under such other insurance; and

- (2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

CHUBB®

Named Insured Clover Flat Land Fill Inc.			Endorsement Number
Policy Symbol PPL	Policy Number G24156114 007	Policy Period to	Effective Date of Endorsement 08/19/2022
Issued By (Name of Insurance Company) Westchester Surplus Lines Insurance Company			

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART**

08/19/2024 **SCHEDULE**

<u>Name of Person or Organization:</u> As required by written contract, prior to a loss to which this insurance applies
--

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The **TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US Condition** is amended by the addition of the following:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or **your work** done under a contract with that person or organization and included in the **products-completed operations hazard**. This waiver applies only to the person or organization shown in the Schedule above.

All other terms and conditions remain the same.



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1937

Agenda Date: 10/17/2022

TO: Board of Directors
FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency
REPORT BY: Alice Ramirez, Secretary/Clerk
SUBJECT: Reports from Jurisdictions

RECOMMENDATION

REPORTS FROM JURISDICTIONS

DISCUSSION ITEM: Reports by the member jurisdictions of current information relevant to the Agency:

Napa County

Calistoga

St. Helena

Yountville

EXECUTIVE SUMMARY

Reports by the member jurisdictions of current information relevant to the Agency.

FISCAL & STRATEGIC PLAN IMPACT

None

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

None



Napa County

Board Agenda Letter

Upper Valley Waste Management Agency (UVWMA)
File ID #: 22-1938

Agenda Date: 10/17/2022

TO: Board of Directors
FROM: Steven Lederer - Manager
Upper Valley Waste Management Agency
REPORT BY: Alice Ramirez, Secretary/Clerk
SUBJECT: Future Agenda Items

RECOMMENDATION

FUTURE AGENDA ITEMS

DISCUSSION ITEM: Discussion of any items Board members wish to have addressed at a future meeting date.

EXECUTIVE SUMMARY

None.

FISCAL & STRATEGIC PLAN IMPACT

None.

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

None.