



The Future of Lunch Is Reusable

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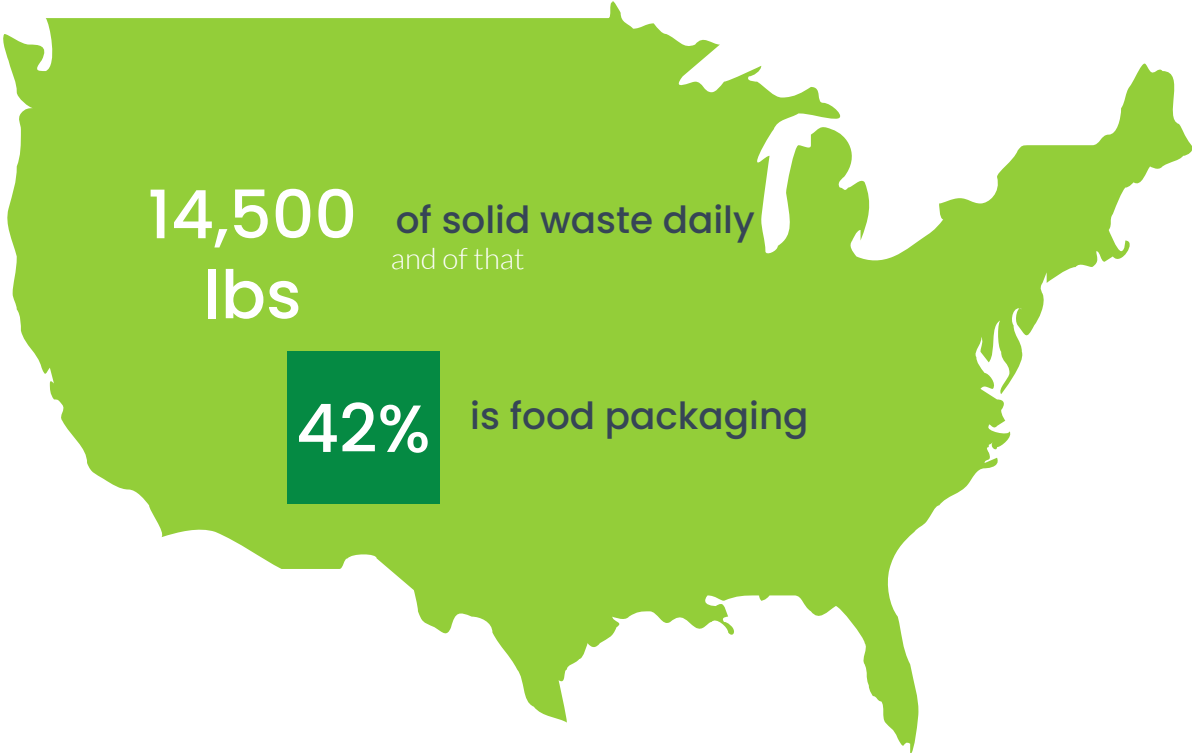
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**SUSTAINABLE
SCHOOLS**

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IMPACT OF SCHOOL WASTE



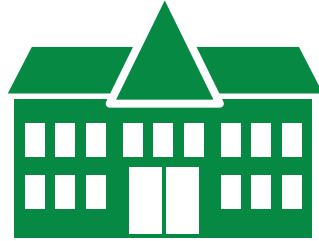
*[Int J Environ Res Public Health](#). 2022 May; 19(9): 5607.
Published online 2022 May 5. doi: [10.3390/ijerph19095607](#)

Case Studies



Washougal HS:
(Washougal, WA)
Cost Benefit
Analysis

10 Days worth of
Disposables = a one
time cost of
Reusables



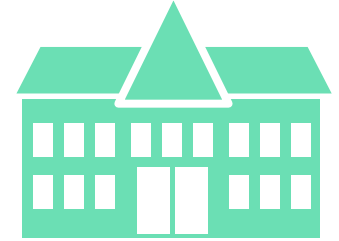
Fremont Unified Schools:
2022 "The Roosevelt
Resolution"

Goal: transition
FUSD into a
zero-waste school



Middletown
School District
in Connecticut

Teamed up with
Rethink Disposable
school district of 4,500
students, the total cost
is approximately
\$35,135.



Benjamin Franklin
Elementary: Hobart
Washing Machines

BFE in Glendale,
California retrofit their
schools with **Hobart**
washing machines
saved **\$5,700**
annually.



Applying Washougal HS to SDP

Cost Benefit Analysis

1

Disposables	Cost/Unit (bulk pricing)
Plastic spoons	\$0.03
Plastic forks	\$0.03
Plastic bowls	\$0.12
Styrofoam tray	\$0.10
Total Cost per student/meal	\$0.28
Cost for 4500 students per lunch	\$1,260
180 day cost for 4500 students	\$226,800

2

Reusables	Cost/Unit (bulk pricing)
Stainless spoons	\$1.21
Stainless forks	\$1.89
Ceramic bowls	\$1.63
Ceramic plates	\$2.97
Reusable plastic trays	\$0.29
Total Cost per Set	\$7.99
Cost for 4500 students	\$35,955
Dishwashing service (180 days @ ~\$0.20 unit)	

3

Determine how many days of
disposables = the one-time
cost of reusables





Fremont Unified School District

*DISPOSABLES Cost Estimate

FUSD

Total \$ Disposables/ lunch served	Total \$ Disposables for 4,500 students/day	Total \$ Disposables for 4,500 students/180-day year
\$0.38	\$1,700	\$307,800

Applied to School District of Philadelphia (~220,000 students)

SDP

Total \$ Disposables/ lunch served	Total \$ Disposables for 220,000 students/day	Total \$ Disposables for 220,000 students/180-day year
\$0.38	\$83,600	\$15,048,000



*



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Fremont Unified School District

*RESUSABLES Cost Estimate

FUSD

Estimated Reusables Cost 4,500 students	Plus Dishwashing	Total
\$27,570		

SDP

Estimated Reusables Cost 220,000 students	Plus Dishwashing	Total
\$1,201,200	\$7,920,000	\$ 9,121,200

\$5.46 reusables cost / student



\$.20 dishwash cost / student



THANK YOU!
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