



1

What is Capacity Planning?

Section 18992.1 and 18992.2

- ▶ **Organics:** Counties, in coordination with jurisdictions and regional agencies located within the county, shall estimate the amount of all organic waste in tons that will be disposed by the county and jurisdictions within the county and identify the amount in tons of existing organic waste recycling infrastructure capacity, located both in the county and outside of the county, that is verifiably available to the county and jurisdictions located within the county.
- ▶ **Edible Food:** Under SB 1383, capacity planning for edible food recovery requires counties, cities, regional agencies, and special districts that provide solid waste collection services to estimate the amount of edible food disposed by commercial edible food generators.

2

Planning Periods

Section 18992.3. Schedule for Reporting

Planning Period	Due Date	
January 1, 2022 through December 31, 2024	August 1, 2022	3-year period
January 1, 2025 through December 31, 2034	August 1, 2024	10-year period
January 1, 2030 through December 31, 2039	August 1, 2029	10-year period
January 1, 2035 through December 31, 2044	August 1, 2034	10-year period

3

Request for Information

- ▶ Request sent on Jan 16, 2024
- ▶ Jurisdictions have 120 days to provide information
- ▶ Due back to County on May 16, 2024

What was included:

- ▶ Instructions & Responsibilities for both Edible Food Recovery and Organics
- ▶ Excel Reporting Template (two tabs Organics + EFR)
- ▶ Disposal and capacity for the target planning year of 2034

2024 EDIBLE FOOD RECOVERY CAPACITY PLANNING
Responsibilities and Instructions

Capacity Planning Responsibilities of the County and Jurisdictions

For food recovery planning efforts, each jurisdiction is responsible for:

- Estimating the amount of edible food that will be disposed by commercial edible food generators that are located within jurisdiction boundary.
- Identifying existing capacity at food recovery organizations that are available to commercial edible food generators located within jurisdiction boundary.
- Estimating the amount of new or expanded food recovery capacity that will be needed.
- Submitting an implementation schedule to CalRecycle when or if they lack food recovery capacity.

For food recovery planning efforts, the County is responsible for:

- Collecting food recovery planning information from each jurisdiction within the county.
- Submitting the capacity planning report to CalRecycle.
- Reporting any jurisdiction, including itself, that identifies itself as not having enough verified existing, planned, or new food recovery capacity.
- Informing jurisdictions that lack capacity about the timeline for submitting the implementation schedule to CalRecycle.

---Submittal Instructions---

Jurisdictions have 120 days to respond to the County's capacity planning request for information (RFI). This notice serves as that request. Therefore, the deadline to submit estimated edible food disposed and edible food capacity to the County is **May 16th, 2024**.

Please complete and return by email the attached Reporting Template (Excel spreadsheet/Edible Food Tab) to provide your food recovery capacity and edible food disposal numbers.

Step 1: Estimating your Jurisdiction's Edible Food Disposal Numbers
Jurisdictions must estimate and submit to the County the edible food (in tons) to be disposed by commercial edible food generators in your jurisdiction. There are two tools available to help jurisdictions estimate the edible food disposed by your jurisdiction: [The County's Tool for Estimating Edible Food Disposal](#), or the [CalRecycle Recovery Capacity Planning Calculator Tool](#).

4

Reporting Templates Explained

Edible Food Recovery Capacity Planning Reporting - Report Template
 Please submit the following information to Stephanie.Ewalt1@sdcounty.ca.gov by May 16, 2024
 Planning period: Jan 1, 2025 - Dec 31, 2034 (10 year period)
 *Please include the total edible food available for recovery in tons by Tier 1 and 2 generators and total food recovery capacity in tons for the final planning target year of 2034.

1	Jurisdiction name	Enter jurisdiction here	
2	Estimate of edible food available for recovery by commercial edible food generators for planning period above. County Tool for Estimating Edible Food Disposal CalRecycle Recovery Capacity Planning Calculator Tool	Enter tons here <i>Enter the target planning year potential recovery (2034)</i>	Tons
3	Estimate of edible food recovery capacity available to edible food generators in your jurisdiction.	Enter tons here <i>Enter the target planning year capacity (2034)</i>	Tons
4	Deficit or Surplus	#VALUE!	Tons
5	How much new or expanded capacity is needed?	Enter tons here	Tons

Organics Capacity Processing Reporting - Report Template
 Please submit the following information to Stephanie.Ewalt1@sdcounty.ca.gov by May 16th, 2024
 Planning period: Jan 1, 2025 - Dec 31, 2034 (10 year period)
 *Please include total tons of organics disposed and total organics capacity in tons for the final planning target year of 2034

1	Jurisdiction name	Enter jurisdiction here	
2	Estimate of organics disposal for planning period* for your jurisdiction. <i>*CalRecycle tool for determining Organics Disposal*</i>	Enter disposal tons here <i>Enter the target planning year disposal (2034)</i>	Tons
3	Estimate of organics diversion to facilities for your jurisdiction	Enter diversion tons here	Tons
4	Jurisdiction has verifiable capacity and can demonstrate the available capacity through a contract, franchise agreement, or other documentation of existing, new, or expanded capacity at a facility, activity, operation, or property that recovers organic waste.	Enter Yes or No	
5	Estimate of annual verifiable organics capacity (please include potential tons from community composters or other reuse/diversion activities)	Enter tons here	Tons
6	Deficit or Surplus	#VALUE!	Tons
7	How much new or expanded capacity is needed?	Enter tons here	Tons

5

Reporting Edible Food Disposal and Infrastructure Capacity

6

6

Background of the EFR Disposal Tool

- ▶ Change in methodology from 2021 EFR tool
 - ▶ The original tool was built before the CalRecycle tool and the 2021 waste characterization was completed
 - ▶ The original tool required entering factors such as # of employees, inmates, etc
 - ▶ The new tool is simplified and more closely aligns with CalRecycle's EFR tool and the available 2021 dataset
 - ▶ Tool uses conversion factors from 2021 waste characterization study, when available
 - ▶ Jurisdictions will only need to enter the # of facilities by sector type and population for the tool to populate EFR disposal

- ▶ Difference between County and CalRecycle EFR tools
 - ▶ In the County tool, conversion factors are built in, and tons are calculated
 - ▶ The County tool also allows for manual calculation of data if facilities are smaller or larger than average, or if the % of disposal is known for example
 - ▶ CalRecycle tool, a jurisdiction needs to determine their own conversion factors

7

7

Edible Food Recovery Planning: Using the County's Tool to determine disposal

Initial Steps:

- ▶ Step 1: Update Tier 1 & 2 generator list

- ▶ Step 2: Determine the quantity of each type of generator (i.e. 1 supermarket, 2 large venues, 1 school district)

- ▶ Step 3: Determine the total number of attendees annually for Large Events
Events that occur at a large venue should not be considered a large event on their own, because that would result in double counting. Large events should only include events that do not take place at one of the large venues identified as a commercial edible food generator.

- ▶ Step 4: Determine 2022 population (data baseline year), 2025 population and project 2034 population

8

8

Estimating Population

Population is needed for current disposal year (2023), beginning planning year (2025), and target planning year (2034)

- ▶ Consult planning or economic development department in your jurisdiction or
- ▶ Consult CA Department of Finance [estimations](#) and [projections](#)
- ▶ While current estimations are available by city, the future projections are only available at the state and county level

- ▶ The tools for both edible food and organics (CalRecycle) will use population factors to determine disposal

9

9

Using the County's Tool to Determine Edible Food Disposal

10

10

How to determine EFR Capacity Tons

- ▶ Use 2021 Food Recovery Organization survey results as a baseline (County can provide, as needed)
 - ▶ Sub in site visit knowledge
- ▶ Use site visit data
 - ▶ Incorporate capacity questions into site visits
- ▶ With Annual Reports due, use the opportunity to survey FRO's and Services by phone or visit
 - ▶ Survey questions are available from the regional 2021 survey
- ▶ Use FRO/S Annual Reports (know that some data will be missing)
 - ▶ Use rescued lbs/tons for previous year (2022)
 - ▶ Apply population factor for target year 2034

11

11

Things to Consider

- ▶ When asking about the capacity of a food recovery organization, consider:
 - ▶ What their current capacity is
 - ▶ What their future capacity is (plans for growth)
 - ▶ What is the capacity only available to your jurisdiction (not as a whole, because they may service other cities)
 - ▶ FRO's may not calculate their available capacity in pounds but may use meals served or some other metric (converting to lbs may be needed).
 - ▶ Avoid double counting
 - ▶ Food banks data vs. individual FRO's data, use only one
 - ▶ Distribution only vs. rescue agency, use only one
 - ▶ Food recovery services vs. orgs, use only one (first one to touch the food)

12

12

Reporting Organics Disposal and Verifiable Capacity

13

13

Determining Organics Disposal Tons

Option 1: Use [SB 1383 Organics Capacity Calculator](#)

- ▶ Disposal Data year of 2022
- ▶ Need ADC and Biosolids tons for the calculator
- ▶ Provides target year estimates
- ▶ Tool pulls from RDRS
- ▶ Capacity provided for those facilities already in RDRS
- ▶ Must manually add for community composting, animal feed, etc

Option 2: Choose an Organics % of Total Waste Stream

- ▶ Use RDRS or hauler data to determine overall disposal
- ▶ Determine % of organics in waste stream
 - ▶ Use statewide factor of organics is 28.4% (with paper = 44%) from the 2021 waste characterization study
 - ▶ Use a local % (only if the study is within 5 years)

14

14

Verifiable Organics Capacity

Jurisdictions must estimate the amount of organic waste in tons that will be disposed by organic waste generators (Organic waste must include food scraps, landscape and pruning waste, wood, paper products, digestate, and biosolids)

Jurisdictions must identify the amount in tons of existing organic waste recycling infrastructure capacity, located both in the county and outside of the county, that is verifiably available to the jurisdiction.

County requests:

- ▶ To show verifiable organics capacity, Yes OR No
- ▶ Total organics disposal for your jurisdiction (2022)
- ▶ Total organics diversion (2022)
- ▶ Total capacity in tons
- ▶ Total expanded capacity needed

15

15

What happens if there is not enough capacity?

- ▶ The County will be asked to identify individual jurisdictions that do not have sufficient EFR and/or Organics capacity.
 - ▶ Those jurisdictions will have to submit an implementation plan within 120 days of Aug 1, 2024 (EAR due date)

16

16

Takeaways

- ▶ Capacity Planning Request for Information (RFI) is due to County on May 16th, 2024
- ▶ New EFR tool available to determine disposal(training will be posted in late January)
- ▶ New tool allows for manual adjustments
- ▶ Jurisdictions will need to reach out their FRO/S to determine capacity
- ▶ Organics disposal and capacity (in tons) are needed from each jurisdiction
- ▶ County will post a training on the EFR Tool by end of January

17

17

Questions?

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18

18