



County of Sacramento

Date: July 12, 2018

To: All interested parties

SUBJECT: Responses to Questions regarding the June 12, 2018 Request for Letters of Interest to provide diversion services for organic waste, primarily including residentially collected green waste and food waste

1. The amount of residential food waste in Table 1 appears to be a large number. What is the projection based on? Is it based on case studies or SB 1383 targets? Can supporting data be provided on what these estimates are based on?

The tonnage figures cited in the Request for Letters of Interest are estimates and are based on CalRecycle's 2014 Waste Characterization. They represent what food waste is likely to be in the residential waste stream. These numbers may optimistically represent the amount of food that would be diverted. Practically speaking, residential food waste collected could be less.

2. Can you provide the City of Sacramento, County of Sacramento, and Folsom supply their residential collection routes maps for green waste collection, by territory and day of service?

Routes change regularly to optimize collection efficiency. Detailed information such as route centroids can be provided at a later stage in the diversion services procurement process.

3. Will land application of residential green waste and food waste could as diversion given that there is a 0.5% contamination limit for land application and pathogen reduction issues?

The County and the Cities will rely on CalRecycle's definition of diversion, as described on page two of the Request for Letters of Interest. The County and the Cities will only partner with facility operators that comply with all licenses, permits, regulations, etc.

4. Does the organics need to be pre-processed at a facility with a Solid Waste Facility Permit?

The County and Cities will only partner with facility operators that comply with all required licenses, permits, regulations, etc.

5. What efforts will the jurisdictions do to limit generator contamination levels?

The amendments to CCR Title 14 under development pursuant to SB1383 are quite prescriptive regarding generator education and enforcement efforts required by jurisdictions. The County and Cities will employ proven contamination reduction strategies as well as devote resources to innovative enhancement measures.

6. Can a proposal be prepared for the collection green waste only and no residential food waste for the near-term service in selected routes, as food waste is phased in starting in 2022? As an example, maybe the southern routes phase in food waste collection in 2022 first, and the Northern routes phase it in 2025.

Generally yes. Ultimately phased implementation proposals will be considered, although the County and Cities intend to implement residential food waste diversion according to the schedule prescribed by SB1383 and the CCR amendments adopted pursuant it.

7. Would a jurisdiction consider a residential split cart for organics collection where food waste would be placed on the yellow side such as case studies in Sunnyvale?

Generally yes. Please refer to the 10th bullet on page four of the Request for Letters of Interest. "Letters of Interest must include a statement describing the manner of residential food waste collection necessary, e.g. would it be commingled with green waste or source-separated (this is for long-term diversion services only)"

8. Is "food waste" defined as commercial food scraps/organics, residential food scraps/organics, or both?

Please refer to the closing sentence of the Background Information section on page two of the Request for Letters of Interest. Residentially-collected green and/or food waste remains DWMR's and the Cities' top priority in obtaining diversion services. Commercial food waste is regulated by the Sacramento Regional Solid Waste Authority (SWA) and collected by SWA Franchisees.

9. Where is the material currently being processed? What volume does the facility/facilities receive, and what is the per ton tip fee?

The County's green waste from the north collections area is delivered to NARS and transferred to Old Durham Wood, Inc. in Durham, CA. The cost is ~\$550 per transfer trailer load. The County's green waste from the south collections area is delivered to Kiefer Landfill where it is processed for use as alternative daily cover and residuals are disposed. The cost is internal and built into residential collection rates generally.

The City of Folsom's green waste is delivered to Kiefer Landfill for use as ADC. The cost is ~\$29 per ton.

The City of Sacramento's green waste is delivered to Elder Creek Transfer Station. The cost for processing as of June 2018 is ~\$35 per ton.

Food waste from all three jurisdictions is commingled in MSW and deposited in Kiefer Landfill.

10. Are the overs/residuals required to go to Kiefer Landfill?

This has not been determined.

11. Does the County have a facility where a potential proposer can transload the material to their processing site?

DWMMR owns and operates two transfer stations and one landfill; all are permitted solid waste facilities and are envisioned as possible locations for tipping, processing, and/or transferring organic material in partnership with selected vendor(s).

- The North Area Recovery Station (NARS - 4450 Roseville Road, North Highlands, CA)
- The South Area Transfer Station (SATS - 8850 Fruitridge Road, Sacramento, CA)
- Kiefer Landfill (KLF - 12701 Kiefer Boulevard, Sloughhouse, CA)

12. The distribution of Sacramento County's currently managed green waste is 50,000 tpy to NARS and 28,000 to SATS. Would you anticipate that the distribution of the residentially collected food waste will be the same?

The approximately 28,000 TPY from the south collections area are currently delivered to Kiefer Landfill, not SATS. Otherwise, generally yes, we anticipate the distribution of residential food waste to be similar to residential green waste.

13. Do you anticipate that the residential food waste will be co-collected with green waste or source separated?

Please refer to the 10th bullet on page four of the Request for Letters of Interest. “Letters of Interest must include a statement describing the manner of residential food waste collection necessary, e.g. would it be commingled with green waste or source-separated (this is for long-term diversion services only)”

14. The proportion of residential food waste to residential green waste seems very high at > 50%. Our experience with co-collected waste streams is that it is 5 to 10%. What is the basis for those projections?

The tonnage figures cited in the Request for Letters of Interest are estimates and are based on CalRecycle’s 2014 Waste Characterization. They represent what food waste is likely to be in the residential waste stream. These numbers may optimistically represent the amount of food that would be diverted. Practically speaking, residential food waste collected could be less.

15. Commercial organics recycling began in 2016 under AB 1826. Is it correct that those tons are being managed elsewhere and are not included in this solicitation?

AB1826 implementation continues in Sacramento, where the Sacramento Regional Solid Waste Authority (SWA) regulates commercial waste and recycling. The SWA is an “open franchise” system and franchisees have flexibility in their delivery of food waste for recycling. Facilities developed as part of this program could accept commercial organic waste

16. We understand that Sacramento County organics are managed at the NARS, SATS and KLF by chipping and grinding and transfer out. The description/questions seem to imply that the organic material would be delivered to the County-owned facilities described at which point the proposer would assume management of the organics. If these assumptions are correct, who is currently providing chip and grind services at those locations and would they be interested in continuing to do that and the proposer would then transfer the processed material to another facility?

Green waste collected from the County’s north routes is currently transported without significant processing (some contaminant removal and compaction) from NARS. Green waste collected from the County’s south routes is screened (trommel) at Kiefer Landfill and

the unders are used for ADC. See the response to Question #9 above for more information. Please note the following from the Request for Letters of Interest:

- DWMR will accept letters of interest for diversion services to be provided at NARS, at KLF, or at SATS.
- DWMR will also accept letters of interest for diversion services to be provided at a site immediately across from the Kiefer Landfill entrance site, hereinafter referred to as the former GreenCycle site. The former GreenCycle is a previously proposed regional compost facility. An Environmental Impact Report (Control Number PNL2009-PWE-70173 State Clearinghouse Number 2010022015) was prepared for the project, but the project was indefinitely suspended in 2015.
- DWMR will also accept letters of interest for diversion services to be provided at the potential proposer's facility.

Letters of Interest from existing partnerships and potential partnerships are welcome in this request.

17. If capacity to compost or anaerobically digest organics is under development, can a proposer use land application on their own permitted land for an interim period while additional capacity is being constructed?

The County and the Cities will rely on CalRecycle's definition of diversion, as described on page two of the Request for Letters of Interest. The County and the Cities will only partner with facility operators that comply with all licenses, permits, regulations, etc.

18. Will the City of Sacramento continue to deliver organics to the Elder Creek Transfer Station, including food waste?

The City of Sacramento currently delivers green waste to the Elder Creek Transfer Station operated by Republic Services. Currently, food waste is not part of this organics collection program. The processing contract between the City and Republic Services for delivery of green waste to Elder Creek transfer station expires June 30, 2020. The City anticipates adding food waste to the program at some future date to comply with AB 1383, but that date is not certain and partly dependent on the responses to the Letters of Interest and a subsequent Diversion Services procurement effort.

19. Where will the collection vehicles from the respective jurisdictions discharge the material collected?

Please note the following from the Request for Letters of Interest:

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- DWMR will also accept letters of interest for diversion services to be provided at the potential proposer's facility.

Respondents to this Request for Letters of Interest should, per bullet #9 on page three of the Request, include the following:

- A statement describing the location of interest for performing diversion services, including if at County facilities;

20. If they participate, would the City of Folsom's preference be to deliver organics to the KLF?

As with any residential waste collector, a close and convenient tipping location is preferable. Kiefer Landfill is currently both close and convenient for the City of Folsom. Distance from the route centroid will be one factor for the City of Folsom to consider when evaluating future proposals

21. Will the carbon footprint of various options be considered in analysis of future project proposals?

This has not been determined yet.