

CC 05-02-2023

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New Landfill Agreement

Presentation

New Landfill Agreement

Cupertino City Council Meeting

May 2, 2023



CUPERTINO

Background: Material Collection and Disposal

For Removal and Management of Garbage & Recyclables, Cupertino has **two agreements**:

- A franchise agreement with Recology to **collect** all the streams of materials (garbage, recyclables, organics) as well as construction & demolition (C&D) debris.
- An agreement with Republic Services to **dispose** of garbage and to process and dispose of C&D debris.

Background: Recology handles the blue & green cart materials

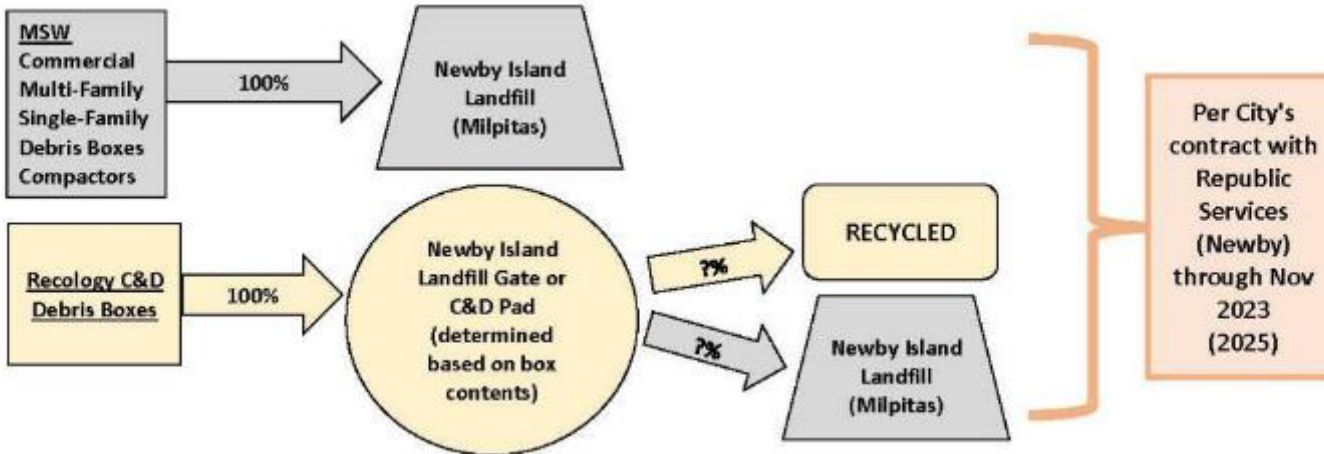
The agreement with Recology includes collection and processing of the recyclables and organics:

- After collection, *through sub-agreements arranged by Recology*:
 - Material in green carts/bins is taken to be processed into compost at two Recology facilities
 - Material in blue carts/bins is taken to be processed for sale on the recyclables market at GreenWaste in San Jose

Today's Focus: Disposal of Garbage and C&D Debris

- Material in **gray carts/bins and in debris boxes** is collected by Recology and taken directly to Newby Island Landfill under an **agreement between the City of Cupertino and Republic Services**.
 - Garbage is disposed directly into the landfill
 - C&D debris is sorted before disposal
- This agreement ends in November 2023 with a 2-year extension to November 2025.
- The City needs a new agreement for disposal of trash and processing of C&D debris.

Currently: garbage and debris boxes



Options for the next agreement(s): C&D

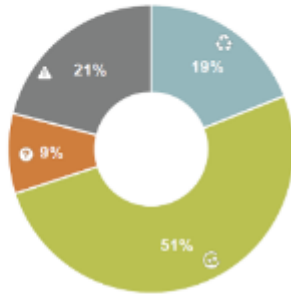
- Facilities that process C&D debris boxes vary on sorting technology and diversion rates.
- The City is interested in exploring options for high rates of material recovery from this debris.



70% of materials disposed of as garbage in Cupertino are recoverable.

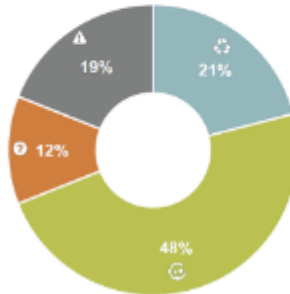
Multifamily

GARBAGE



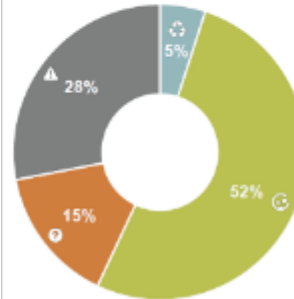
Commercial

GARBAGE



Single-family

GARBAGE



Recyclable



Compostable



Potentially recoverable



Garbage – not recyclable



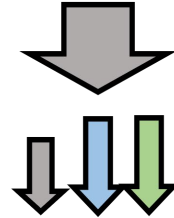
Options for the next agreement(s): MRFing

- Garbage could be sent to a Material Recovery Facility (MRF) that would divert 1/3 or 1/2 (or more) to be composted or recycled.
- MRFing would accomplish CAP action item W 1.2 and would help keep organics out of the landfill.



Processing Garbage: Impact to Ratepayers

- Processing garbage instead of disposing it directly to landfill could cost single-family ratepayers an extra estimated \$5 - \$8 per month.
- From a 2020 survey:
 - 43.2% willing to pay more
 - 44.3% not willing
 - 12.4% not sure/didn't answer



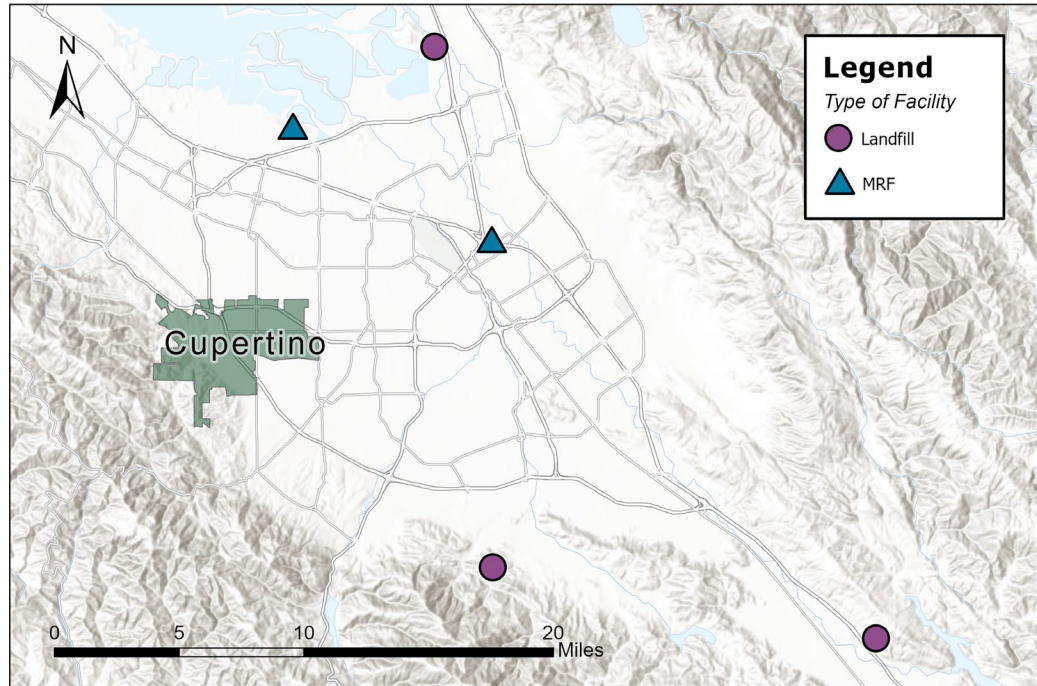
PROCESSING:
Garbage stream collected and sent to MRF for sorting to recover recyclable materials and reduce volume to landfill.

Planned RFP:

- We want to see all options available to Cupertino
- Proposers can respond to whichever services they can provide:
 - Landfill disposal
 - C&D processing and disposal
 - Garbage processing at a MRF
- RFP will allow for both public and private entities to respond
- We may end up with more than one agreement to get the services determined to be best for Cupertino

Geography of Nearby Options:

City of Cupertino Landfill and MRF Locations



Date Created - 04/27/2023

Proposal Considerations:

- Qualifications
- Technical approach
- Location and overall distance material will travel, including after consolidation and transfer, if applicable
- Tonnage capacity currently and into the future
- Regulatory compliance
- Diversion capabilities and any relevant certifications
- Cost in relation to total value for the City's goals

Preliminary Timeline:

- Issue RFP May/June
- Proposers develop responses (3 months)
- Staff/consultant evaluate proposals (3 months)
- Negotiation of agreements (early 2024)
- Council approval/award
- New services prior to November 2025

Communications Best Practices:

Benefits

- Consistent information provided to all parties at the same time helps ensure proposers are treated fairly.
- Helps staff do its job with a single point of contact with proposers.
- Shields Councilmembers from requests.
- Reduces risk of a successful challenge to the process or to contract award.

Recommended Action:

- Confirm previous Council direction provided in the Climate Action Plan (CAP) and Zero Waste policy by having staff evaluate RFP proposals with an emphasis on increasing recovery and diversion of usable materials from landfills.
- Return to Council with recommendations informed by that guidance.

Questions