

## **DRAFT Actions to Reduce Landfill Volumes by Waste Type<sup>1</sup>**

1. Establish dedicated **construction & demolition** landfills east and west side. Lower cost and lower hazard than traditional sanitary landfill. Couple with promotion of deconstruction for reuse services (Reuse Hawaii, donations to Habitat for Humanity, expand capabilities of Transfer Station Reuse Centers, materials exchange website). [>20%]
2. Support diversion of **paper** fiber [>20%]
  - a. Improved quality (through education) and collection rates (additional collection sites and pickups, as well as compactors) for corrugated cardboard
  - b. development of mixed paper baling and transport to markets
  - c. subsidizing shredding operations for use in composting
3. Support composting of **residential food waste**. (Commercial food waste is most likely already diverted to pig farmers.) [16%]<sup>2</sup>
  - a. Subsidize home composter equipment
  - b. Collect residential food waste at Transfer Stations and at HER facility
  - c. Implement revised contract with HER to compost food waste<sup>3</sup>
  - d. Develop collection service for food waste in denser communities, including education component
4. Ban **greenwaste** from landfill. [~7%]<sup>2</sup>
  - a. Support home composting
  - b. Increase collection at additional transfer stations
  - c. Consider financial incentive for diversion
5. **Plastic packaging** is easily compacted and thus is not a high volume contributor to our landfill. [~5%]
  - a. Collect and compact for shipment for fuel use for HPower Oahu (may also be a revenue source)
  - b. Consider selected bans
  - c. Support plastics recycling industries on island
  - d. Monitor markets for various plastics; be flexible to expand Transfer Station collection and recycling as they become feasible.
  - e. Improve HI5 collection via education, more collection sites, higher fee/redemption, expansion to include wine and liquor, allowing small businesses to use Transfer Stations

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<sup>1</sup> Most percentage calculations for landfill composition are based on weight rather than volume, but it is volume that determines when a landfill is full. Recommendations are ordered by landfill weight as surrogate for volume per 2009 composition study cited in ISWMP. Weight Percent is indicated in brackets. Values may vary by a few percentage points, but the order is likely to still be correct.

<sup>2</sup> Organic waste will eventually degrade to negligible volume, but will generate greenhouse gas from the landfill that may need to be collected.

<sup>3</sup> Where county does not have to do all the collecting of food wastes, which is how I read the current contract.

- f. Work with big box stores and grocery stores to allow customers to return clean plastic packaging waste (bring your reusable bags full of empty containers when you go shopping).