

## Compost Procurement Plan

### El Dorado Disposal (Waste Connections)

Waste Connections is prepared to procure compost from one or more of its facilities in Northern California to fulfill the requirement set forth in SB-1383. This compost will count towards the 14,000+ tons of annual procurement necessary to satisfy the County's requirements. The compost would meet or exceed the quality and health standards set forth in the law. The compost would be a tangible benefit to the community and financially beneficial to farmers. The compost will be distributed through a system of direct haul from our facilities to a location on the Western Slope. These locations can be individual farms, receiving 20 tons per drop, or a designated community point for residents to take home.

Waste Connections is offering to start compost procurement at **\$32.00/ton** delivered to the community.

#### The benefits of this compost to the community:

- Increased soil health
- Decreased need for fertilizers
- Erosion control
- Rehabilitates soil in fire scars.
- Increased water retention, decreased watering needs
- Increased yields to farmers
- Increased interest in organics waste recycling
- Improved public perception of SB-1383

#### The beneficiaries of this compost to community:

- Residential lawns and gardens
- Community gardens
- Parks
- Farming & Winery Associations
- Schools
- Caltrans
- Golf Course and other recreational sites

#### Multi-Year Volume & Cost Estimates

\*Compost procurement has an Organic Waste Conversion factor of 0.58

Placerville procurement goal as set by CalRecycle- 871 Tons x 0.58 = **505 tons compost to procure**

South Lake Tahoe procurement goal as set by CalRecycle- 1,872 Tons. x 0.58 = **1,086 tons compost to procure**

County procurement goal as set by CalRecycle- 12,886 Tons. x 0.58 = **7,474 tons compost to procure**

| Year                             | Procurement<br>% of Goal | Tons of Compost | Annual Cost* |
|----------------------------------|--------------------------|-----------------|--------------|
| 2023                             | 30%                      | 2,242           | \$71,744     |
| 2024                             | 65%                      | 4,858           | \$155,456    |
| 2025+                            | 100%                     | 7,474           | \$239,168    |
| Total Estimated Cost for 3-years |                          |                 | \$466,368    |

\* Additional costs may be associated with community site design and maintenance.

### Distribution:

Distribution would be a collaborative effort with County and El Dorado Disposal. Direct haul from compost producers lowers costs and allows for large volumes of over 20 tons to be placed at community collection sites, farms, public works departments, parks, or schools. Application rates for farms and other agricultural lands range from 4-20tons/acre. Compost can be spread at parks and schools at a lower rate, more frequently. Community collection can be limited to seasonal events (Spring & Fall) or left open to the public year-round with regular delivery.

### Compost Health:

Compost at Waste Connections and partnered facilities is monitored often for quality, health, and composition of beneficial nutrients. Compost returning from these facilities is screened for impurities, leaving behind a beneficial product to the environment. Optimal soil qualities lead to healthier land and fauna as well as improved soil retention, clearer rivers, and lakes, and reduces erosion. (Sample from Waste Connections facility below)

**NUTRIENT SUMMARY**

| Test                                        | Amount Per Cubic Yard |           | Amount Per Ton, As Rec'd |           | Available as a<br>% Of Total |
|---------------------------------------------|-----------------------|-----------|--------------------------|-----------|------------------------------|
|                                             | Total                 | Available | Total                    | Available |                              |
| Nitrogen                                    | 4.78 lbs              | 0.07 lbs  | 15.33 lbs                | 0.23 lbs  | 2                            |
| Phosphorus (P)                              | 0.78 lbs              | 0.07 lbs  | 2.49 lbs                 | 0.21 lbs  | 8                            |
| Phosphorus (P <sub>2</sub> O <sub>5</sub> ) | 1.78 lbs              | 0.15 lbs  | 5.71 lbs                 | 0.49 lbs  | 9                            |
| Potassium (K)                               | 3.47 lbs              | 1.32 lbs  | 11.11 lbs                | 4.22 lbs  | 38                           |
| Potassium (K <sub>2</sub> O)                | 4.2 lbs               | 1.59 lbs  | 13.45 lbs                | 5.11 lbs  | 38                           |
| Calcium                                     | 6.26 lbs              | 0.73 lbs  | 20.07 lbs                | 2.34 lbs  | 12                           |
| Magnesium                                   | 2.11 lbs              | 0.42 lbs  | 6.75 lbs                 | 1.35 lbs  | 20                           |
| Sulfur                                      | 0.59 lbs              | 0.13 lbs  | 1.88 lbs                 | 0.4 lbs   | 21                           |
| Copper                                      | 0.2 ozs               | 0.01 ozs  | 0.65 ozs                 | 0.03 ozs  | 5                            |
| Zinc                                        | 0.73 ozs              | 0.14 ozs  | 2.35 ozs                 | 0.45 ozs  | 19                           |
| Manganese                                   | 2.45 ozs              | 0.68 ozs  | 7.85 ozs                 | 2.17 ozs  | 28                           |
| Iron                                        | 26.94 ozs             | 0.19 ozs  | 86.32 ozs                | 0.61 ozs  | 1                            |
| Boron                                       | 0.3 ozs               | 0.03 ozs  | 0.95 ozs                 | 0.09 ozs  | 9                            |
| Organic Matter                              | 269 lbs               |           | 862 lbs                  |           |                              |