SB-1383
Procurement of Compost for Community Use

Compost as an Opportunity for SB-1383 Requirements

- El Dorado Disposal (Waste Connections) is offering to backhaul compost from Waste Connections owned facilities to meet the procurement requirements associated with SB-1383.
- Compost would be a tangible benefit to the community, including residents, farms, parks, schools, and the environment.
- Compost would meet or exceed the quality and health standards set by SB-1383 and CalRecycle.
- Waste Connections is prepared to bring compost to the City of Placerville for **$32/ton delivered.**

SB-1383 Organic Procurement Requirements

- SB-1383 requires procurement of ‘Recovered Organic Waste’ on behalf of all jurisdictions at a rate of **0.08 tons/Resident**.
- The City of Placerville is required to procure **871 tons** of Recovered Organic Waste to meet this requirement.

AB-1985 Changes to Implementation Timeline

- AB-1985, passed in September 2022, allows for the gradual implementation of a procurement program.
- The benchmarks start at 30% in 2023, 65% in 2024, and 100% by 2025.
- Compost has an ‘Organic Waste Conversion Factor’ of 0.58 tons compost/ ton of Recovered Organic Waste.
- This means that **505 tons of compost** annually would be needed to fulfill this requirement by 2025.


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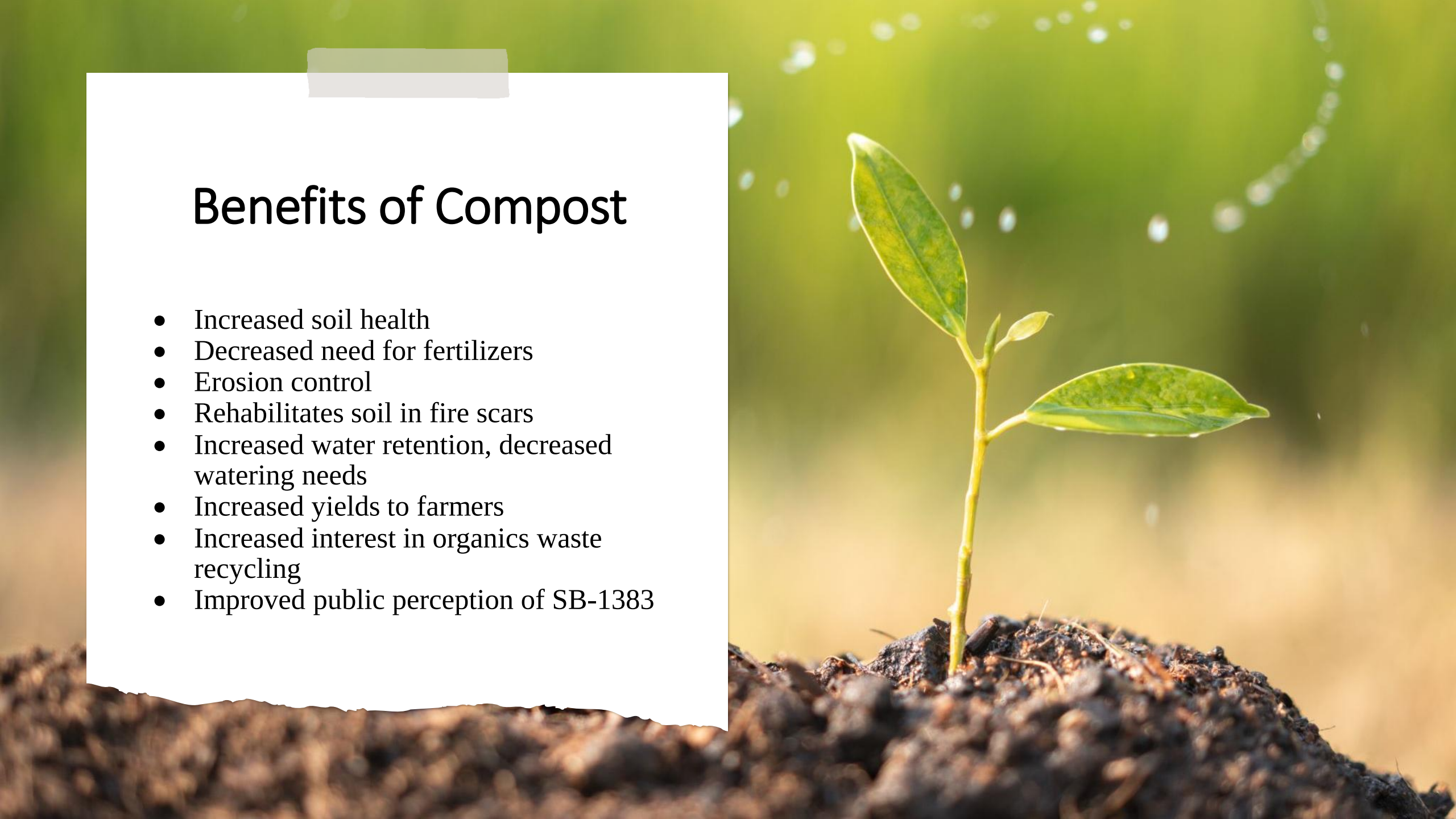
Benefits of Compost

- 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



Beneficiaries of Compost

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

Implementation Cost of Compost

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

Year	Procurement % of Goal	Tons of Compost	Annual Cost*
2023	30%	152	$4,864
2024	65%	328	$10,496
2025+	100%	505	$16,160

Distribution

Compost is brought directly to the community and dropped at a public collections site.

Compost Health

- Compost is analyzed for bacterial and heavy metal content and exceeds the quality requirements set by CalRecycle.
- Compost is sifted for contaminants.
- Compost is cured, minimizing smells and heat.

Sample ID #: 3030226 - 1/1

Nutrients	Dry wt.	As Rcvd.	units
Total Nitrogen:	1.5	0.97	%
Ammonia (NH_4-N):	14	8.8	mg/kg
Nitrate (NO_3-N):	1.9	1.2	mg/kg
Org. Nitrogen (Org.-N):	1.5	0.97	%
Phosphorus (as P_2O_5):	0.59	0.38	%
Phosphorus (P):	2600	1600	mg/kg
Potassium (as K_2O):	0.85	0.55	%
Potassium (K):	7100	4500	mg/kg
Calcium (Ca):	2.1	1.4	%
Magnesium (Mg):	0.54	0.35	%
Sulfate (SO_4-S):	110	72	mg/kg
Boron (Total B):	42	27	mg/kg
Moisture:	0	36.0	%
Sodium (Na):	0.077	0.049	%
Chloride (Cl):	0.13	0.085	%
pH Value:	NA	8.08	unit
Bulk Density :	22	34	lb/cu ft
Carbonates ($CaCO_3$):	< 0.1	< 0.1	lb/ton
Conductivity (EC5):	1.8	NA	mmhos/cm
Organic Matter:	56.2	35.9	%
Organic Carbon:	27.0	17.0	%
Ash:	43.8	28.0	%
C/N Ratio	18	18	ratio
AgIndex	> 10	> 10	ratio

Stability Indicator:	
CO2 Evolution	Respirometery
mg CO_2-C/g OM/day	2.6
mg CO_2-C/g TS/day	1.4
Stability Rating	*stable*

Maturity Indicator: Cucumber Bioassay	
Compost:Vermiculite (v:v)	1:2
Emergence (%)	100
Seedling Vigor (%)	100
Description of Plants	*one weed*

Pathogens	Results	Units	Rating
Fecal Coliform	410	MPN/g	*pass*
Salmonella	< 3	MPN/4g	*pass*

Date Tested: 09 Mar. 23

Physical Contaminants**	% by dry wt
Total Plastic	< 0.1
Film Plastic	< 0.1
Glass	< 0.1
Metal	< 0.1
Sharps	ND
Total	< 0.5