



Solid Waste Division

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FY25 General Recycling Grant Application

1. Provide Local Government Name:

County of Greenville Solid Waste Division, Greenville SC

2. Provide Names, Addresses, Phone Numbers, and Email Addresses for Key Contacts:

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3. Describe the Overall Project:

Greenville County (GC) had a partnership with Atlas Organics for eight years providing Class II food waste composting in the Upstate. Due to Atlas Organics going out of business, GC's largest market was disrupted, displacing food waste and compost customers. GC aims to restart the composting facility by amending its permit to Class II, enabling food waste collection for composting. The project involves refurbishing the facility, acquiring necessary equipment such as temperature reading/recording instrumentation, storage container and a trommel screen, and restarting composting operations to serve food waste collectors and generators in the Upstate.

4. Targeted Commodities and Sources:

Organic materials will be sourced from Residential Waste and Recycling Centers (RW&RC), Smart Recycling's food waste collection routes, and private sector collectors servicing industrial clients seeking organics recycling.

5. Project Stage:

The project is in the planning stage. GC has initiated the process of amending its permit and assessed existing equipment. Aeration equipment has been purchased, and power

has been restored to the site.

6. Current Collection, Transportation, Storage, and Marketing:

Smart Recycling currently collects organics from displaced Atlas curbside customers and transports them to Resoil in Kershaw County. Limited commercial organics collection activities are observed in the Upstate.

7. Changes Post-Implementation:

Upon full implementation, Smart Recycling will utilize the Twin Chimneys Landfill Compost Facility. Hospitals, schools, and other entities previously serviced by Atlas will direct organics to GC's facility. Food waste collection will expand to RW&RCs, and private sector collectors will provide collection services.

8. Potential Vendors for Recyclables:

Compost will be provided to residential/small farm pickup at TCLF and sold in bulk to Landscaper Supply.

9. Outreach and Education Activities:

Ongoing outreach involves meetings with affected stakeholders. After operations commence, outreach efforts will include advertising Smart Recycling's services, website updates, partnerships with Master Gardeners, and reopening collection sites.

10. Current Material Collection:

Based on FY22 SC Solid Waste Management Report:

Mulch: 26,077 tons

Food Waste: 9,359 tons

11. Expected Increase/Improvement:

The primary improvement will be realized with the opening of a Public Sector Organics Collection and Composting Facility with an initial anticipated production of 4,000 tons of STA Certified compost annually. Smart Recycling's collection is expected to grow significantly due to our proximity.

12. Estimate Justification:

Projections are based on Atlas' previous production, Smart Recycling's commitment, and available feedstock.

13. Regional Application Description:

The facility will serve the Upstate Region and encourage neighboring counties to establish organic recycling drop-off locations.

14. Regional Application Breakdown:

N/A

15. Provide a detailed budget for the project, including cost estimates for each item for which funding is being requested:

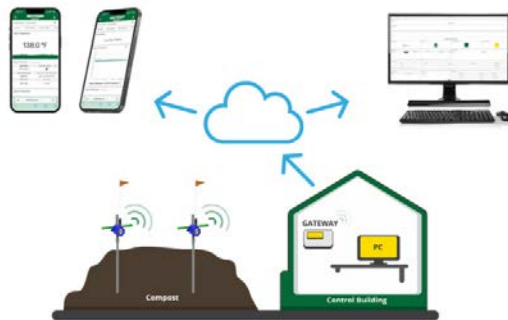
We have identified a need that matches the target award amount for this grant. We believe having the technology necessary to monitor temperature and moisture within the

Aeriated Static Pile (ASP) will be instrumental in maintaining product consistency and efficiencies in production.

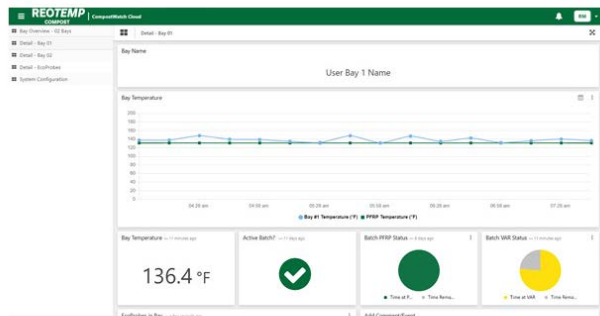
The wireless Temperature Monitoring System will provide:

- Overview of all Compost Piles
- Live Temperature Graph
- PRFP and VAR tracker
- Automatically Generated Regulatory Reports
- Text or Email Notifications
- Add Watering or Turning Events
- Record Feedstocks and Comments

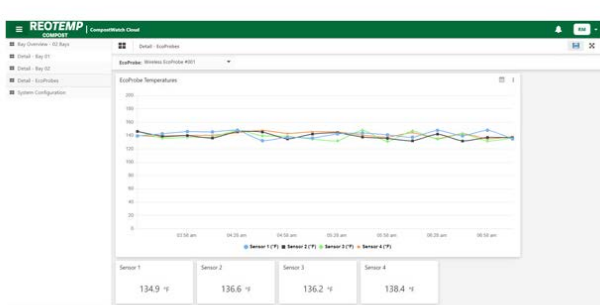
CompostWatch Cloud System Overview



Bay Detail Screen

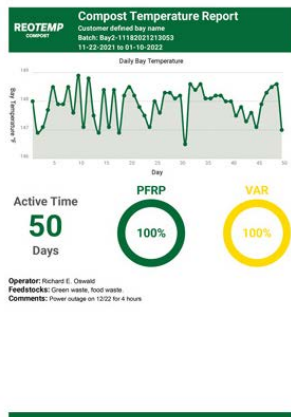


EcoProbe Detail Screen



Regulatory Report

The CompostWatch Cloud System software automatically generates regulatory reports.



REOTEMP			Compost Temperature Report		
Customer: defined bay name			Batch: Bay2-1118202113053		
11-29-2021 to 01-18-2022			Daily Bay Temperature (°F)		
Date	Day	Temp	Date	Day	Temp
11-29-2021	1	148.0	12-22-2021	31	148.5
11-29-2021	2	146.9	12-23-2021	32	148.6
11-29-2021	3	147.1	12-24-2021	33	148.4
11-29-2021	4	147.7	12-25-2021	34	148.6
11-29-2021	5	148.5	12-26-2021	35	148.1
11-29-2021	6	147.9	12-27-2021	36	148.1
11-29-2021	7	147.9	12-28-2021	37	148.2
11-29-2021	8	148.5	12-29-2021	38	148.2
11-30-2021	9	147.6	12-30-2021	39	148.0
12-01-2021	10	148.9	12-31-2021	40	148.0
12-02-2021	11	147.1	01-01-2022	41	147.5
12-03-2021	12	148.8	01-02-2022	42	147.8
12-04-2021	13	147.5	01-03-2022	43	147.3
12-05-2021	14	146.9	01-04-2022	44	147.6
12-06-2021	15	148.4	01-05-2022	45	147.1
12-07-2021	16	147.1	01-06-2022	46	147.9
12-08-2021	17	148.4	01-07-2022	47	148.3
12-09-2021	18	146.9	01-08-2022	48	148.5
12-10-2021	19	148.3	01-09-2022	49	148.5
12-11-2021	20	148.5	01-10-2022	50	147.0
12-12-2021	21	148.2		51	
12-13-2021	22	147.8		52	
12-14-2021	23	147.5		53	
12-15-2021	24	147.1		54	
12-16-2021	25	148.0		55	
12-17-2021	26	147.6		56	
12-18-2021	27	148.3		57	
12-19-2021	28	148.3		58	
12-20-2021	29	148.1		59	
12-21-2021	30	148.2		60	

60" moisture meter



Oxygen Probe



One 60" Moisture Meter \$136.00
Nine 60" wireless temperature probes \$8,505.00
One 60" Oxygen Probe with two replacement sensors and extra tip \$2,850.00
CompostWatch Cloud Software which includes 10 wireless probes. \$360.00
Lightening Arrestor for Gateway Antenna \$200.00
EcoProb Cloud Gateway (OUTdoor-RAK Wireless) \$1,600.00
Custom Wooden Crate for shipment (does not include freight charges) \$500.00

Total \$15,000.00 (includes tax)

16. Describe any shortfalls for which grant funding will not be adequate and explain how any additional funding will be secured. Include matching funds, in-kind contributions, and sponsored contributions/grants from other sources.

Greenville County Solid Waste Division has budgeted funds to cover shipping (\$285).