

January 17, 2023

City of Ridgecrest Annual Route Review Process

The Benefits of Using Camera
Technology to Comply with SB
1383 Monitoring Requirements

Prepared by:



Agenda

- I. City of Ridgecrest
- II. City of Ridgecrest & WM
- III. SB 1383 Auditing Requirements
- IV. Camera Technology and Auditing Compliance
- V. Integrated Auditing Solutions
- VI. Implementing Camera Technology Key Learnings



City of
RIDGECREST
California

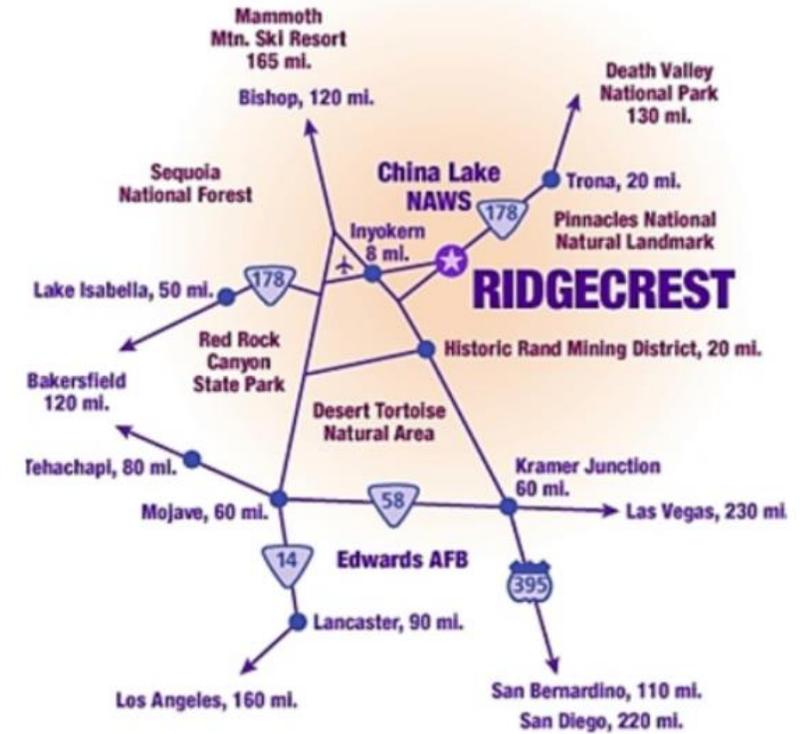
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CITY OF RIDGECREST

Where is Ridgecrest?



Ridgecrest, CA
Population: 28,603
Avg. Temp: 30°F to 103°F
Avg. Annual Rainfall: 5 in.



CITY OF RIDGECREST & WM

Partnership Overview

Franchise History

- 2011 – WM awarded franchise by City of Ridgecrest
- 2018 – 1st Amendment approved to address AB 1826
- 2022 – Amended & Restated Agreement to address SB 1383

Contamination Monitoring Program Details

- Hauler Route Reviews, Methodology, & Frequency
- Contamination Notifications
- Disposal of Contaminated Materials
- Recordkeeping and Reporting Requirements

SB 1383 Auditing Requirements

SB 1383 AUDIT REQUIREMENTS

Contamination Monitoring and Records

Required Contamination Monitoring – Section 18984.5

- Generators are prohibited from placing “prohibited container contaminants” in collection containers.
- Jurisdictions are required to monitor containers in order to minimize prohibited container contaminants. Such monitoring may be done either through “route reviews” or “waste evaluations”. Waste evaluations are required for Jurisdictions with a performance-based system.
- Route reviews:
 - Must be done for each route, including MSW, recyclables, and organics. SB 1383 regulations do not require that all or a specific percentage of generator containers be audited.
 - Upon finding contamination, notification must be sent to the generator that includes requirement to properly separate materials in appropriate container; photos may be used as evidence.
 - Notifications may be left on the container, gate or door, or mailed, e-mailed, or electronically messaged.

Required Records – Section 18995.1(c)

- Regarding each inspection, route review and compliance review, Jurisdictions are required to generate the following:
 - Name or account name
 - Description of route and addresses
 - List of addresses reviewed
 - Dates of reviews
 - Who conducted the review
 - Findings, including any Notice of Violation or education materials issued
 - Evidence, such as photos and account records

Camera Technology and Auditing Compliance

Camera Technology

Cameras have been in use for several decades, mostly to assist with safety and coaching. Higher resolution and faster data transmission has allowed expanded use cases, including service auditing, service confirmation and contamination monitoring.

In 2016, WM piloted contamination monitoring via sensors and cameras.



Why is Monitoring and Education Important?

In pilots of the WM SmartTruck[®] program, cart contamination was reduced from an average of 26% to 3-6%

Changing Recycling Behavior

Adapted from Everett Rogers, Jay Kassiner, Mike Rothchild, David Ward, Kristen Cooley

68%
Help Me

Social marketing is the best return on investment for behavior change



16%
Show Me

Education is enough for this group to change their behavior



16%
Make Me

This group needs a consequence to drive behavior change



SB 1383 AUDIT REQUIREMENTS

Camera Technology vs Manual Auditing

Advantages

- Audit of all material in container, not just the top
- Evidence - customer education & compliance
- Integrated solution
- Expanding use cases provide key benefits to customers
- Lower GHG footprint
- Safety

Disadvantages

- Cost
- Implementation

Key Learnings

Implementing Camera Technology

KEY FINDINGS

What We Learned from Implementing Camera Technology

- Cameras are an effective solution to meet regulations
- Allows us to better educate residents and businesses on proper placement of materials
- Contributes to contamination reduction and increased diversion
- Along with the Dashboard, they provide an effective tool to assist jurisdictions with completing route reviews
- Provides results to celebrate successes:
 - Neighborhood events
 - Public Works/Solid Waste Department updates during public meetings
 - Customer Newsletters

Thank you

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