



Curbside Composting Program Analysis

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Overview

Intro to RQS

Curbside Set-Out Study

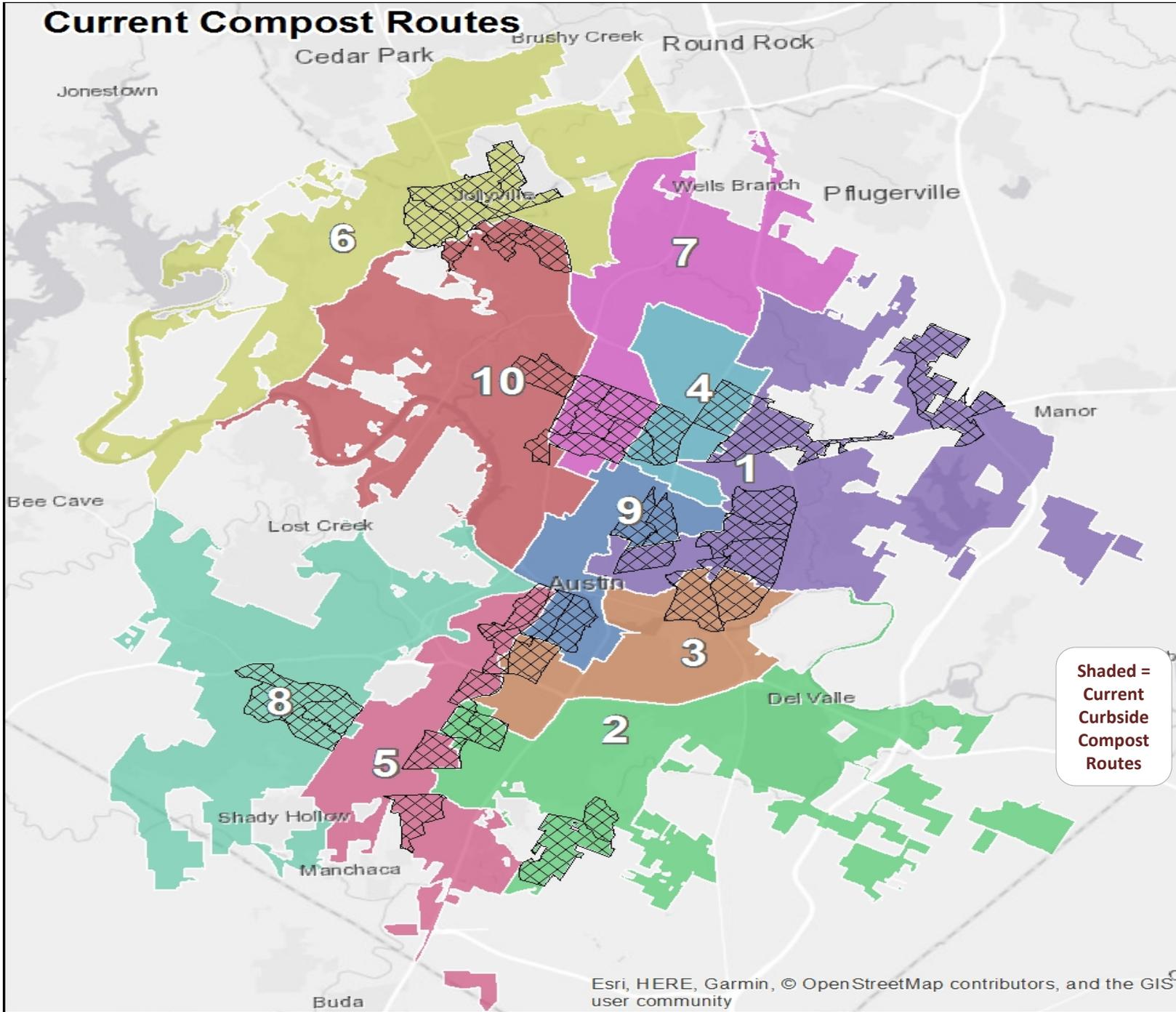
Curbside Characterization Study





Residential Quality Services (RQS)

- **Team of analysts that reside in ARR's Quality Assurance Division (QAD)**
- **Primary focus, research/analysis related to ARR's Residential Services**
 - **Cart Set-Out Studies**
 - **Customer Cart Check Program**
 - **Waste Characterization Studies**
 - **Internal Compliance Audits**
 - **Performance Management**
 - **Risk Management**
- **11 member team supervised by Shana Riviello**



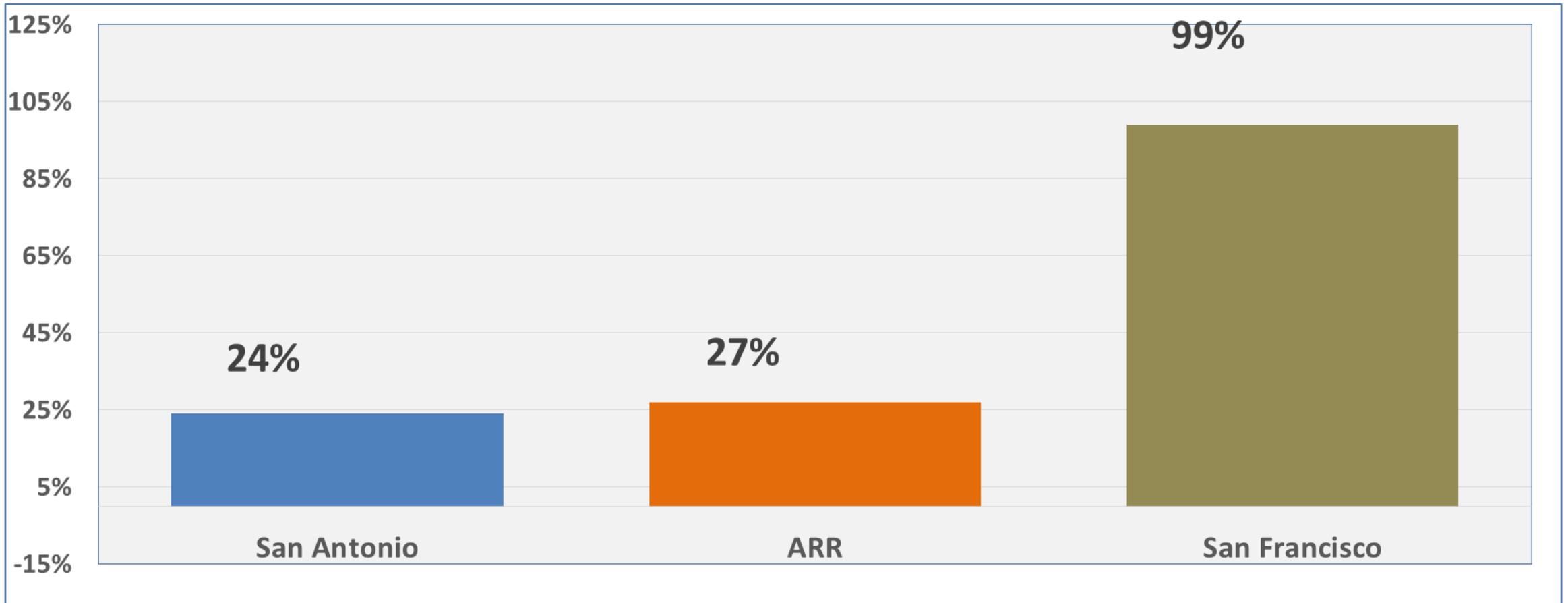


Compost Set-Out Study

- From Dec 17 to Jan 18 RQS conducted Compost Cart Set-Out Study
- Inspected all 39 Curbside Compost routes twice
- Anomalies were looked at a 3rd time (7 routes total)
- Average set-out rate of 27.4%
- Will conduct next set-out study Apr – May 18 timeframe



Compost Cart Set-Out Rate





Curbside Characterization Analysis

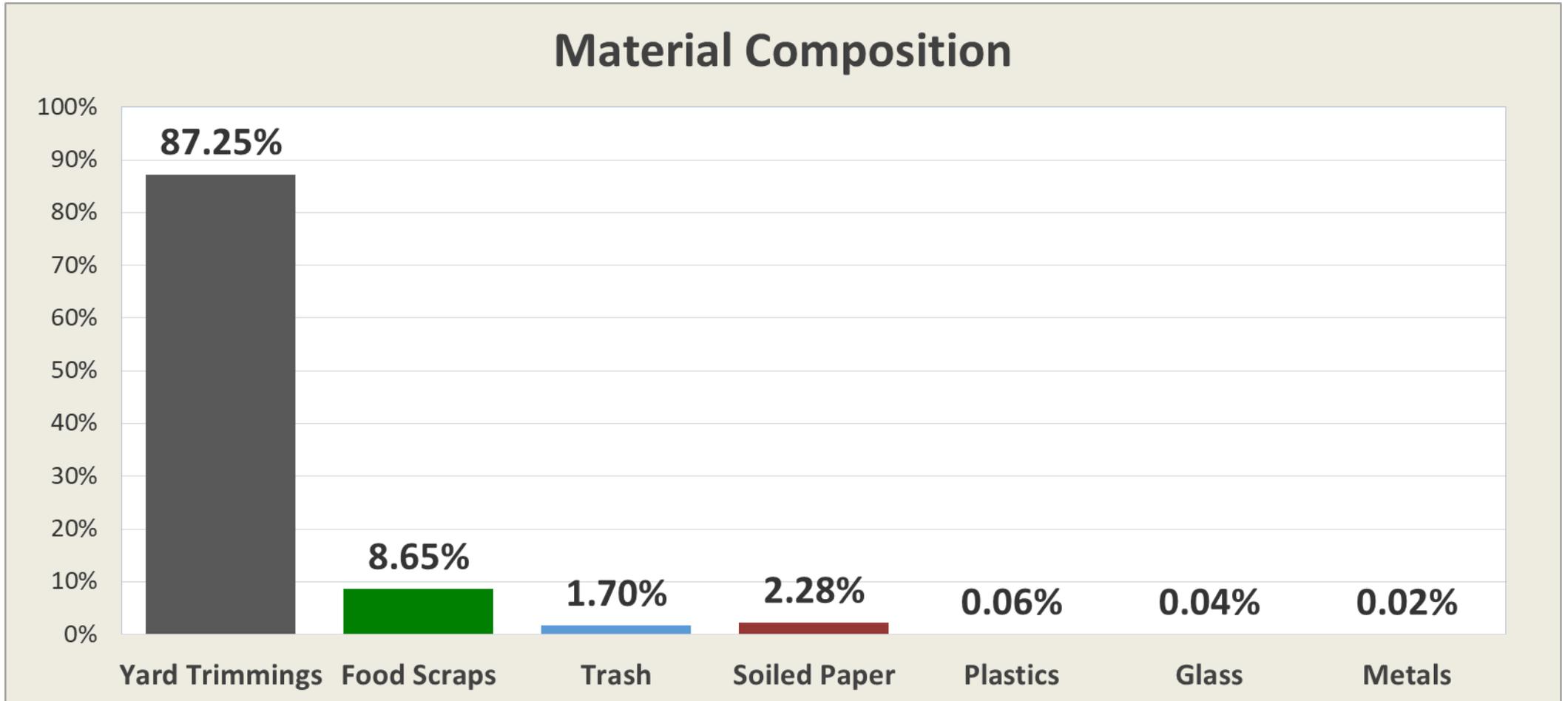
- **Curbside Compostable Characterization Study (Jan – Mar 18)**
 - RQS team assessed 36 of 39 Compost routes
 - 95% confidence level of data collected
 - Used the ASTM Standard D 5231-92 Municipal Solid Waste Sampling Method
 - Collected 200-300 pound samples from each route
 - Sorted cart contents into a material categories:
 - Food
 - Soiled Paper
 - Yard Trimmings
 - Metal
 - Glass
 - Plastics
 - Trash

Curbside Characterization Analysis

- Weighed material categories
- Identified contamination by dividing contaminant weight with total weight
- 2% Contamination Level

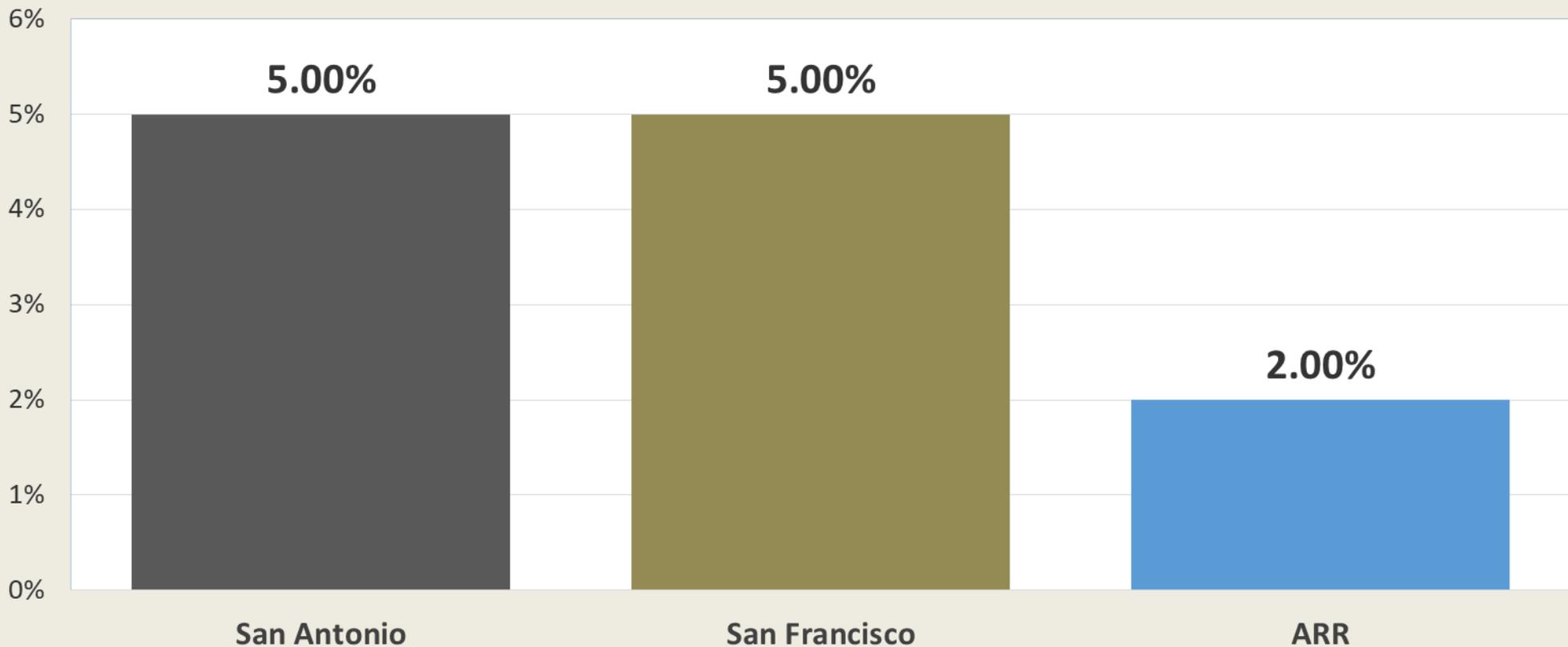


Curbside Characterization Analysis



Curbside Characterization Analysis

Compost Contamination Comparison



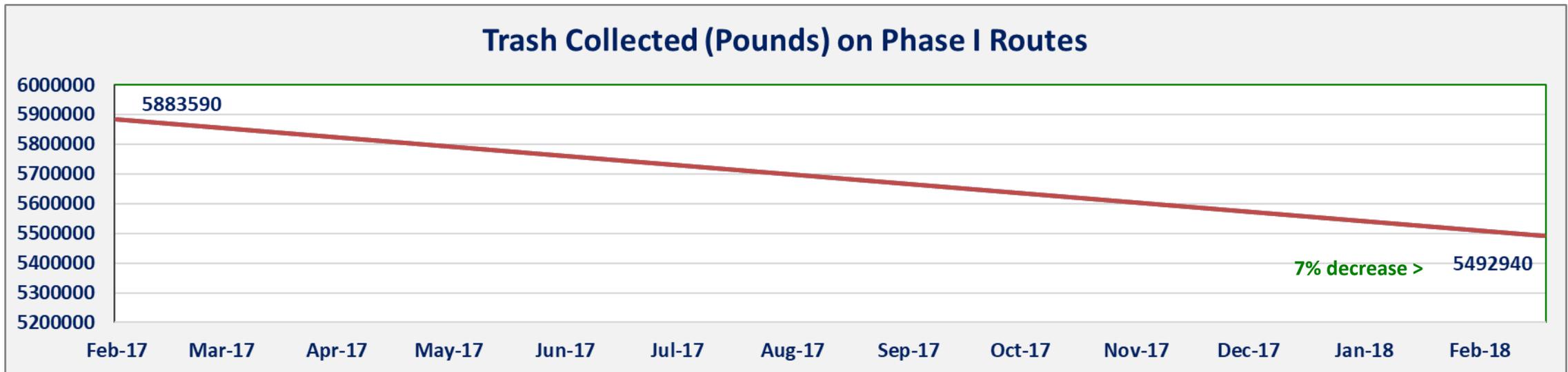


The Effect on Trash Collection

There are 65 trash collection routes within the 30 Curbside Compost routes in Phase I

42 of the 65 (65%) of the Trash routes had a decrease collection weight

Overall there was an 7% percent decrease in trash collected (almost 400,000) on the routes related to the Phase I Compost expansion





What Happens Next

- **RQS will conduct Curbside Set-Out and Characterization Studies on a regular basis to account for seasonal changes and provide a long-term comparison**
- **5 Year Follow-Up to Characterization Study**
 - **Internal and External Study Due 2020**



QUESTIONS?

