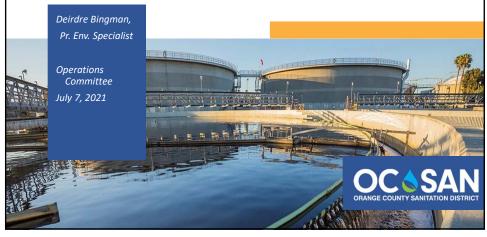
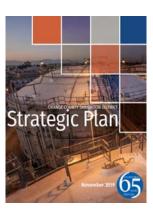
Biosolids Thermal Conversion Sole Source Demonstration Contract Award



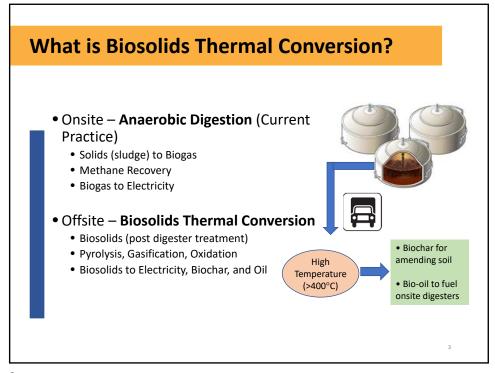
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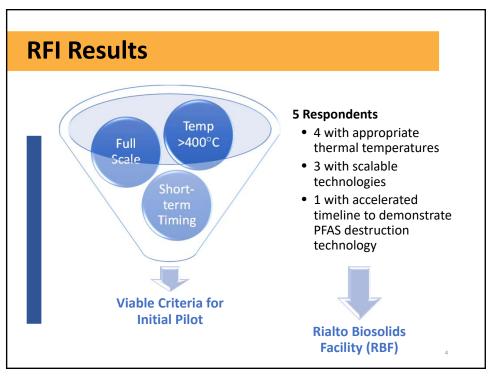
2019 Strategic Plan: Biosolids Management Policy Paper

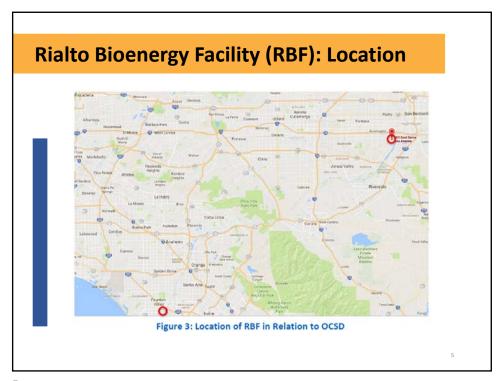
- Recognized:
 - Growing interest for organics management
 - Rising concerns: emerging contaminants such as polyfluoroalkyl substances (PFAS)
 - **Biosolids Master Plan**: emerging market opportunities
- Issue a request for information (RFI)
 - Research and evaluate available emerging technologies
 - **Biosolids-to-energy** options or other biosolids recycling operations
 - Potentially develop scope of work



2







5

Rialto Bioenergy Facility: Aerial Figure 4: Aerial Photo of RBF with the Receiving Bins Circled

Rialto Bioenergy Facility: Biosolids Receiving



Figure 6: Truck Unloading at RBF

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Rialto Bioenergy Facility: Dryer



Figure 7: Dryer Installation at RBF

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Rialto Bioenergy Facility Process

Step Two: PYROLOSIS

- Smaller scale pyrolysis unit installation at wastewater plant in Encina.
- Anaergia installation and commissioning starting in Fall 2021.



Figure 8: Pyrolysis System at Encina

9

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Rialto Bioenergy Facility: Products



Figure 9: Biosolids after drying (left) and after pyrolysis (right)



Figure 10: Bio-oil from pyrolyzed biosolids

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Rialto Bioenergy Facility: Contract

- Diversification
- PFAS Sampling
- Sole source
- Accelerated timeline
- Low-Risk, Non-guaranteed tonnage
- First-In Line for New Advanced Technology
- Performance Guarantees
- Short-term
- Standard Contract Components



Biosolids Pellets from Biosolids Pyrolysis **Biochar**

11

11

Biosolids Management Locations & Distributions 13.9% Compost NV ΑZ 21.3% Compost Synagro -- Nursery Products 116 tons/day, 33 trucks/week 10.1% Fail-safe Back-up Compost Synagro – South Kern 55 tons/day, 15 trucks/week 5.0% Compost IERCA - Inland Empire 27 tons/day, 8 trucks/we Los Angeles County Fail-safe Back-up Compost nagro – AZ Soi OCSD Fail-safe Back-up Landfill OCWR -- Prima Deshech 31.4% Feed and Seed Crops 18.3% Pellets and Biochar Start 9/1/2021 Start 9/1/2021 Anaergia -- Rialto Bioenergy Facilit 100 tons/day, 28 trucks/week Allocations Based on: 545 Tons per day 153 Trucks per week Schedule Effective July 2021 Revised: 3/29/2021

