

Trucked Waste Program

Laguna Treatment Plant

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Board of Public Utilities
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OUR FUTURE IN EVERY DRÖP

History of the Program

- Landfill leachate
 - Prior to 2006: 10-20 trucks a day in summer/
70 trucks a day during heavy rains
 - Direct pipeline began operation in 2006
- Septic Receiving Station
 - Septic tanks/portable toilets
 - Lower septic rate in late 2015 brought in
more haulers
- High Strength Waste (HSW) Station
 - Began operation in 2016
 - Limited to 48,000 gallons per day
 - Metered into the plant's existing
anaerobic digesters
 - Low energy treatment
 - Methane gas production

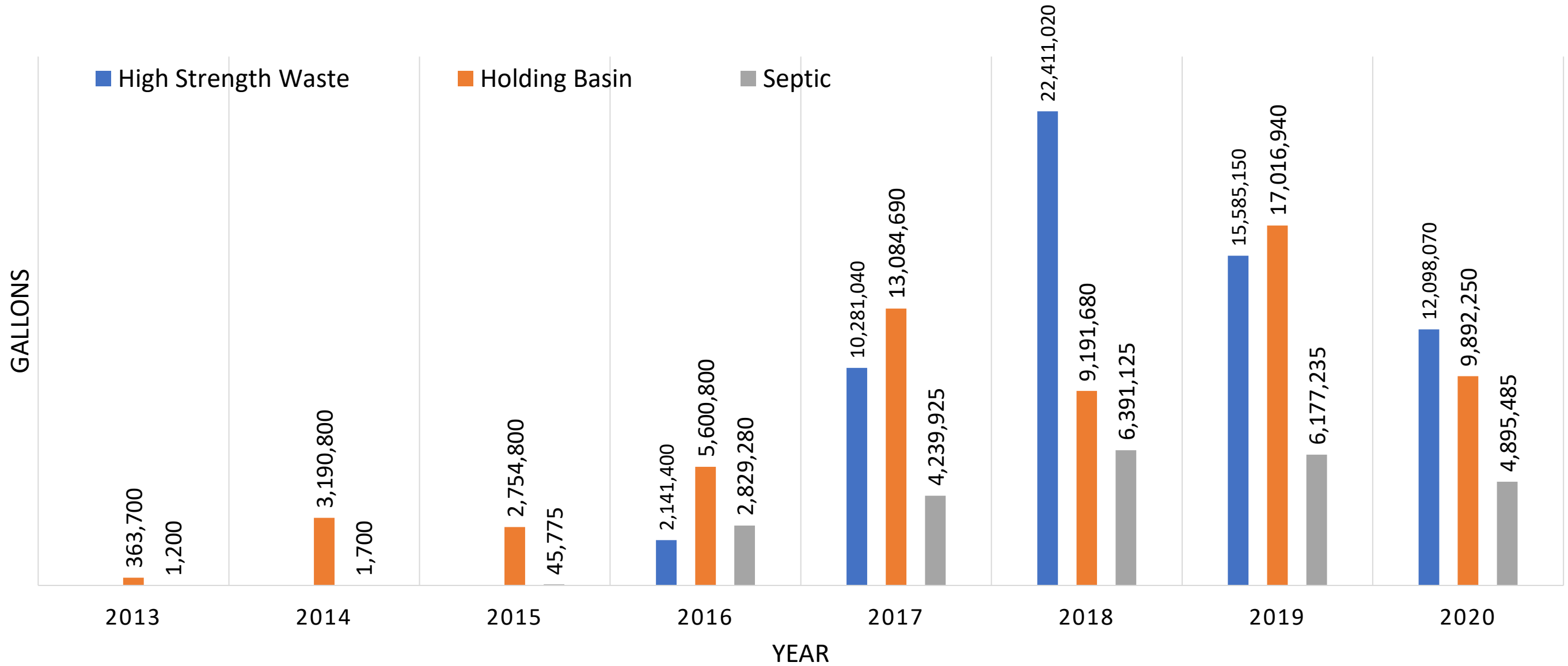
Waste Types Accepted

Three Locations for Receiving Trucked Waste

- Septic Receiving Station- 13¢/gallon
Portable Toilets/Chemical Toilets
Septic Tank Cleanouts
- High Strength Waste Station- 4¢/gallon
Animal Processing Waste
Beverage Processing Waste (Beer, Dairy, Juice, Wine)
Fats, Oils, and Grease (FOG)/Inedible Kitchen Grease
Food Processing Liquids
- Emergency Holding Basin- 2¢/gallon
Equipment Rinsate (Clean-in-Place)
Groundwater
Landfill Leachate (mostly via Pipeline)



Waste Types Received by Year



Regulations

- NPDES Permit – *Regional Water Quality Control Board*
 - Septage receiving locations
 - Trucked Waste Management Plan
- Air Permit – *Bay Area Air Quality Management District*
 - Throughput for HSW and emissions from the HSW odor scrubber
- Renderers Permit – *California Department of Food and Ag*
 - Kitchen Grease Transporters for HSW
 - Manifest tracking

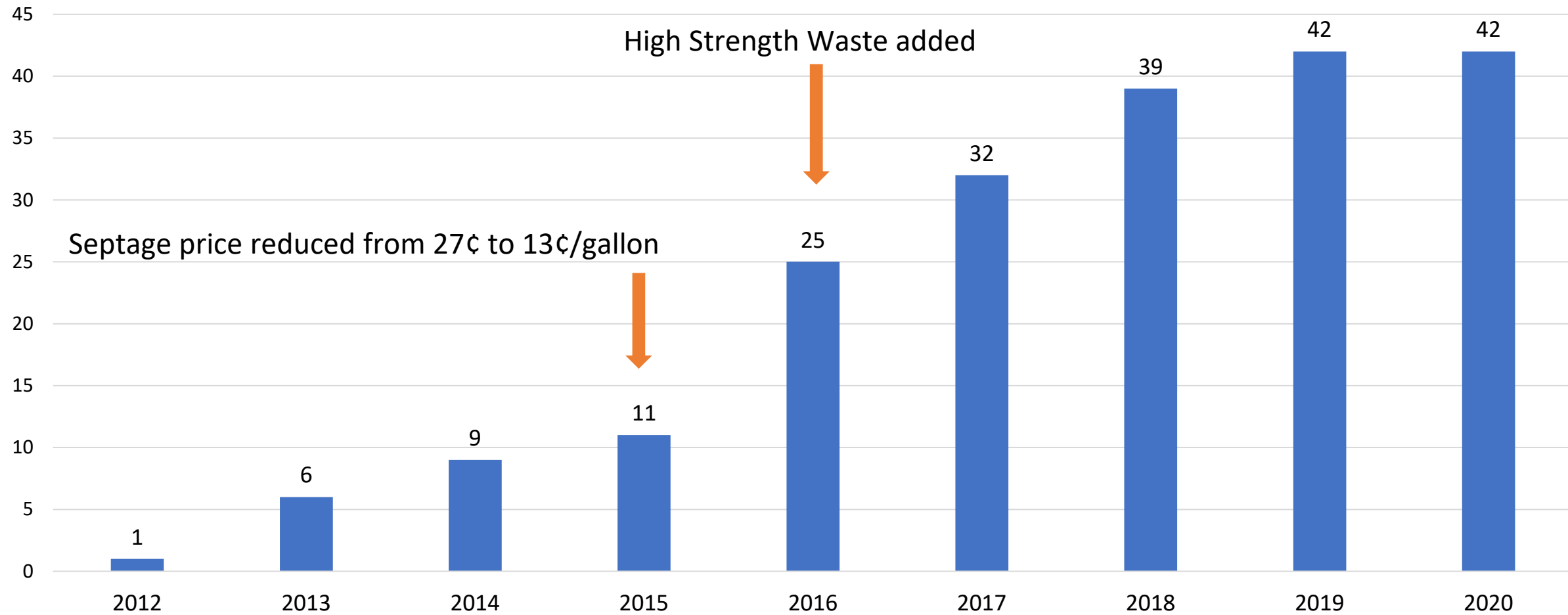


Permitting of Wastehaulers

- All haulers must be permitted
- Environmental Compliance staff issues Wastehauler Permits
 - Collect application
 - Annual fee of \$206
 - Insurance requirements
 - Sampling data
- Once permitted
 - Haulers receive one scan card per vehicle
 - Scan card links transactions to the wastehauler software



of Wastehaulers Permitted by Year



Sampling Program

- New waste types
- Questionable loads
- Random sampling of septic trucks two days a week
- HSW is sampled up to three times per day as it is fed into the digester feed pipe



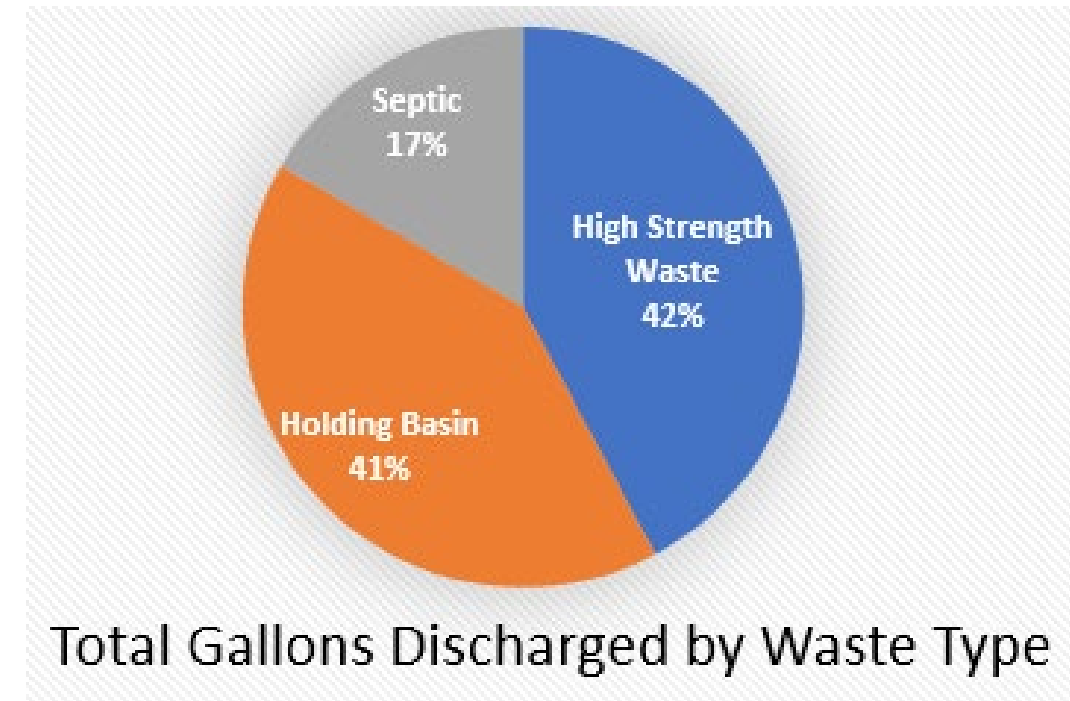
Trucked Waste Program Benefits

- Reduced
 - Trucked waste miles travelled by haulers by allowing them to dump locally (saved 671k Vehicle miles)
 - Saving an annual 3,500 tons of GHG
- Increased
 - Water Reuse
 - Biosolids Reuse
 - Methane gas production
 - Power production at LTP
 - Revenue

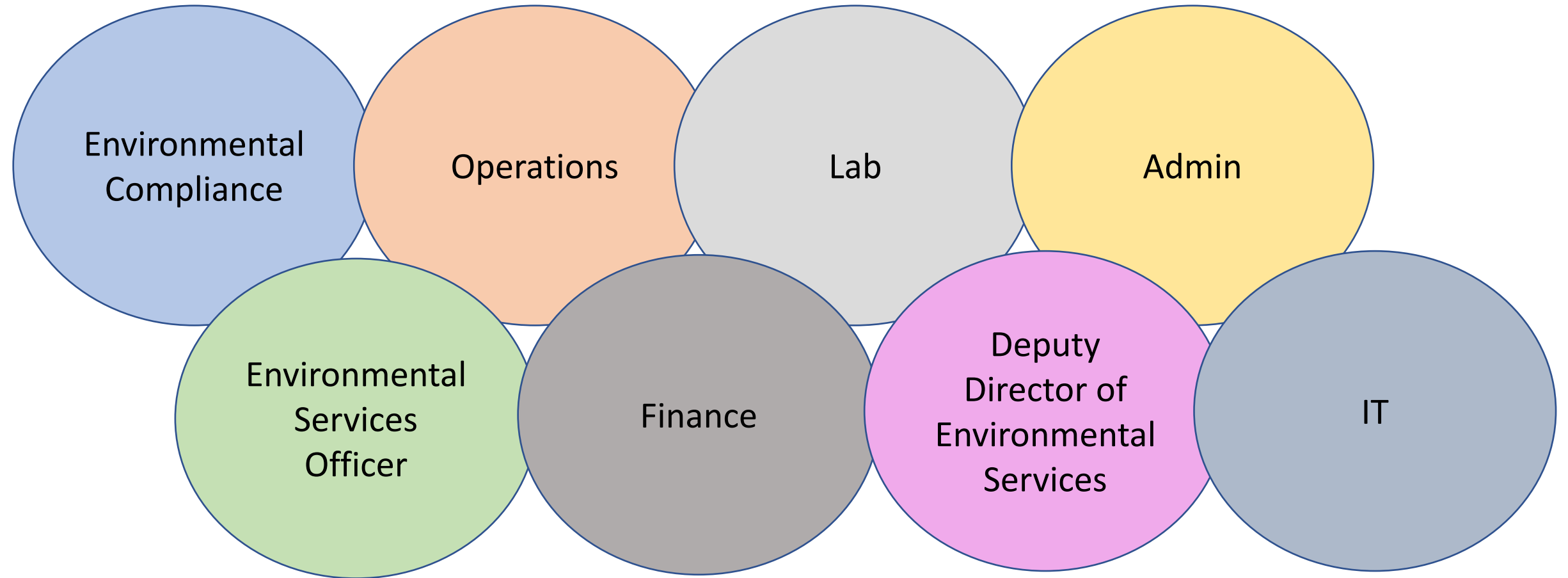


Trucked Waste Program Summary (2013-2020)

- Total deliveries: 36,247
- Total gallons discharged via truck: 148,194,065
- Total in tipping fees: \$6,918,204.65
- Total produced electricity: Over 60,000 MW (average 15,000MW/year)



Who Makes This All Happen?



Questions?

