



High Strength Waste Receiving Facility Update

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Santa Rosa Water | Our Future in Every Drop

High Strength Waste (HSW)

- Fats/Oils/Grease (FOG)
 - Restaurant Grease
- Food/Beverage Processing Waste
 - Brewery, Winery, Creamery
- Meat Processing
 - Chicken Processing



HSW Treatment

- Different treatment stream than other waste at LTP
- HSW is fed directly to Anaerobic Digesters
 - Much less energy used
- ADs produce gas
 - 65% methane
 - Used to produce electricity



HSW Project Background

- Project Goals:
 - Provide Local Disposal Option
 - Reduce/Shorten Hauler Trips
 - Revenue from Tipping Fees
 - Produce Additional Electricity



HSW Project Background

- Construction contract approved by BPU in 2015
- Construction completed 2016
- Operations began September, 2016
- Total Project Cost: \$2.6M



HSW Project Results, 2018

- 4,709 HSW deliveries
- \$924,000 in Tipping Fees
- \$498,500 in produced electricity

- Total Gross Benefit:
\$1,422,500

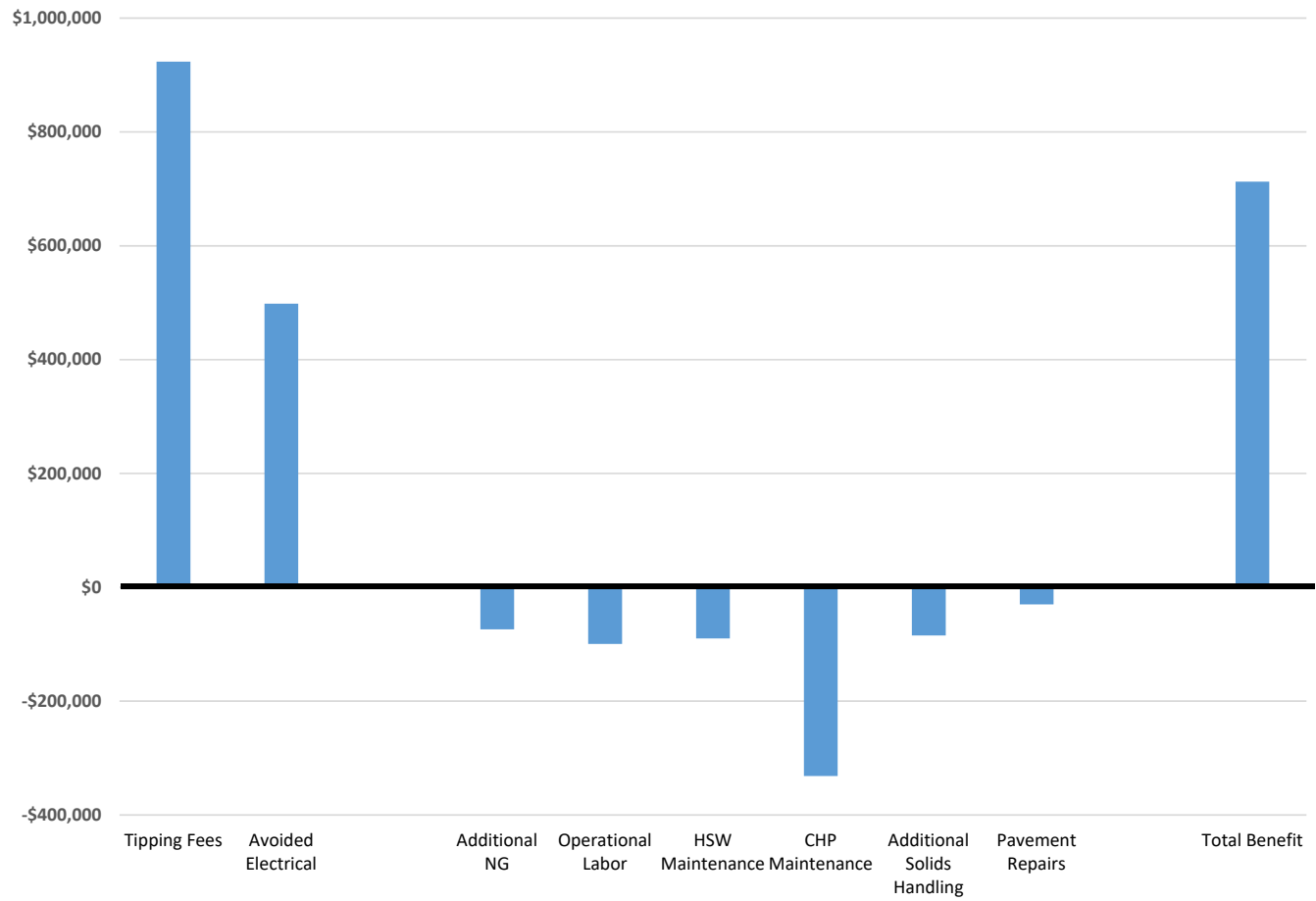


HSW Project Results, 2018

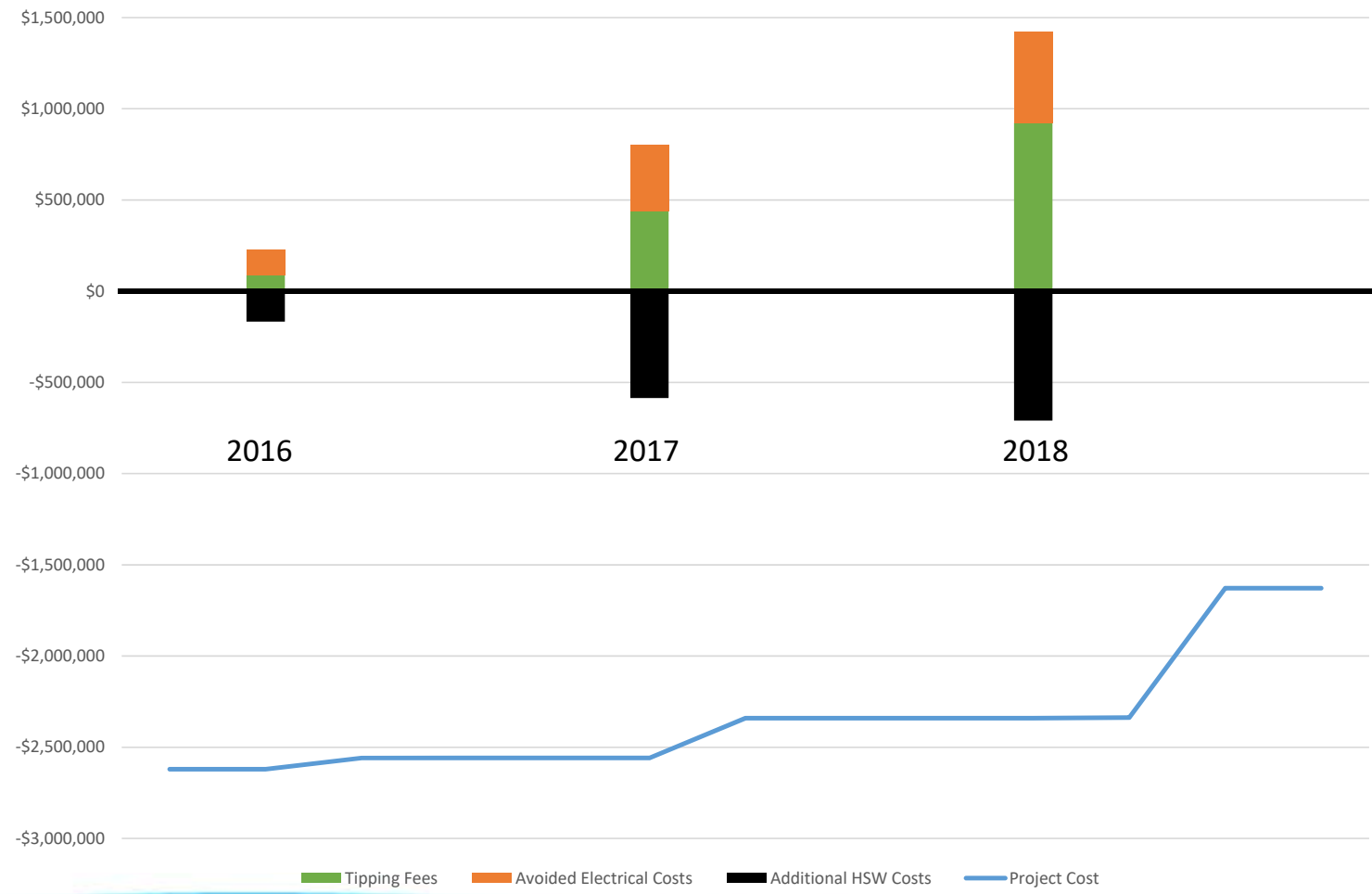
- \$709,000 additional operational or maintenance costs
 - HSW & CHP Maintenance
 - Labor
 - Additional Solids Handling
 - Natural Gas
 - Paving
- Net Benefit: \$713,000



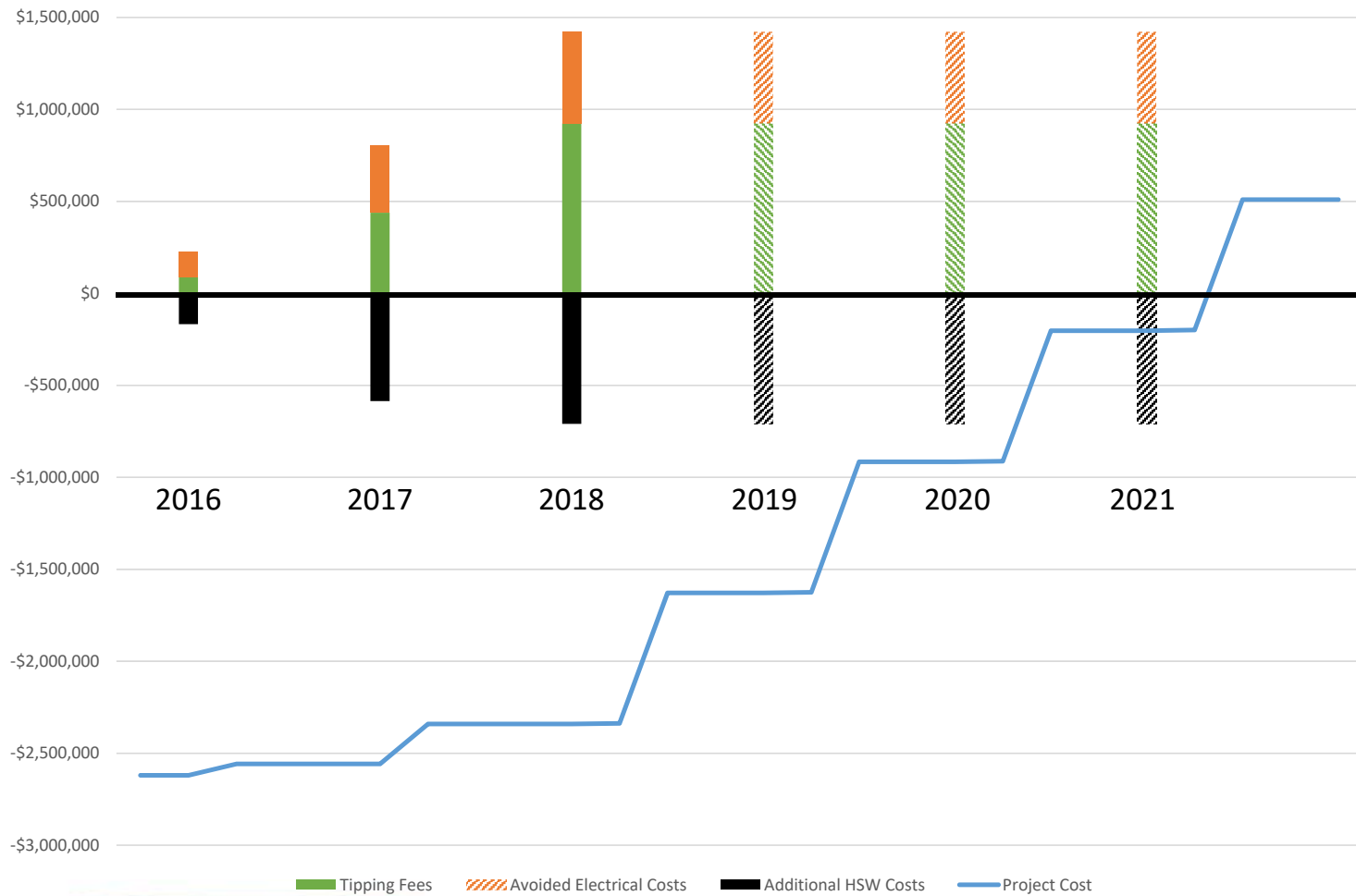
HSW Revenue and Costs, 2018




High Strength Waste Project Performance 2016 - 2018



High Strength Waste Project Performance and Projection



HSW Facility Operations Summary, 2016-2018

- More than 7,000 hauler trips
 - Nearly \$1.5M in Tipping Fees
 - More than \$1.0M in avoided electrical cost
 - Nearly \$1.5M in Additional Operational and Maintenance costs
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Future

- City of Petaluma to open similar facility soon
- Expected improvements needed to Receiving Facilities
- LTP Pavement will need further repairs

Questions?

