APPENDIX D

Project Findings & Recommendations Meeting 1/06/2021



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Service	Truck Type	Crew Size	Routes Per Dav
Residential Trash	Rear-load	3	10
Bulky	Stake bed/rear- load	2	5
Residential Recycling	Rear-load	3	2 to 3
Tires	Stake bed	2	2
Total			20





































City	State	Households*		
Charleston *	WV	21,970		
Annapolis *	MD	15,664		
Harrisburg★	РА	20,520		
Huntington	WV	17,755		
Morgantown	WV	10,522		
Parkersburg	WV	13,152		
★= State capital * = Includes multi-family	НН			

City	Service Provider	Solid Waste Budget (FY 2021)	Employees	Monthly Residential Rate	
Charleston	City	\$3.29 M	66	\$18.00	
Annapolis	Contractor	\$3.28 M	4	\$22.83	
Harrisburg	City	\$16.1 M*	68	\$32.34	
Huntington	City	\$3.63 M	37	\$20.00	
Morgantown	Contractor	\$1.53 M		\$19.80	
Parkersburg	City	\$2.58 M	24	\$16.00	

* Harrisburg also provides commercial collection services, street sweeping, litter abatement, etc.

City	Frequency	Container Types	
Charleston	Weekly	Personal containers & bags	
Annapolis	Weekly	Carts & bins (city- provided)	
Harrisburg	Weekly	Bins (city-provided)	
Huntington	N/A	N/A (drop-off program)	
Morgantown	Weekly	Carts (hauler-provided)	
Parkersburg	Weekly	Bins (city-provided)	





Customer	Monthly	Annual	 Sanitation conforms with utility business model Charged on utility bill 	
Class	Rate	Rate	Containing bin	
Residential	\$18.00	\$216.00	• Customers have no	
Non-residential:			visibility of underlying service cost	
Curbside	\$25.00	\$300.00	 18,000 customers x 	
Dumpster	\$40.00	\$480.00	\$216/vear = \$3.9 million	
			 FY19 actual spend of \$3.8 million FY20 budget of \$3.57 million 	
			0	

Scenario Cost Summary	
Metric	Current
Set-Out Rate	25%
Number of Routes	3
Annualized Capital Cost	\$81,143
Vehicle O&M Cost	\$100,620
Labor Cost	\$583,331
Processing Cost	\$110,425
Total	\$875,519
Households	18,000
Annual Cost per HH	\$48.64
Monthly Cost per HH	\$4.05
Recycling Tonnage	631













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Outiminad	Scenario Cost Summary		
Deciveling Cost	Metric	Current	Optimized
of Sorvico	Set-Out Rate	25%	65%
Estimate	Number of Routes	3	6
	Annualized Capital Cost	\$81,143	\$142,000
	Vehicle O&M Cost	\$100,620	\$201,240
	Labor Cost	\$583,331	\$1,166,661
	Processing Cost	\$110,425	\$162,000
	Total	\$875,519	\$1,671,901
	Households	18,000	18,000
	Annual Cost per HH	\$48.64	\$92.88
	Monthly Cost per HH	\$4.05	\$7.74
	Recycling Tonnage	631	1,800













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