



## Memorandum

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March 20, 2018

TO: Peoria City Council Members

CC: Patrick Nichting, Jim Scroggins; City of Peoria  
Dave Meyers, Peoria Public Schools  
Scott Sorrel, Peoria County

FR: Patrick Urich, City of Peoria;  
Joshua Gabehart, P.E., Foth Infrastructure & Environment, LLC

RE: City of Peoria RFP #29-17, Proposal Pricing

### Introduction

The City of Peoria released a request for proposals (RFP) on August 11, 2017 and subsequently issued six (6) RFP Addenda. The RFP designation issued by the City was RFP #29-17. Four Respondents submitted proposals by the amended deadline of Thursday, November 9, 2017:

- ◆ Advanced Disposal (Advanced)
- ◆ City of Peoria, Public Works Department (PWD)
- ◆ PDC Services, Inc. (PDC)
- ◆ Waste Management (WM)

The purpose of this memorandum is to summarize proposal pricing elements for the Peoria City Council and to respond to questions asked by Council on February 10, 2018 during the solid waste policy session. Please note, not all proposal details are included as this focuses primarily on pricing. Further, this information is intended to supplement previously presented data to the City Council during the recent February 10, 2018 policy session. Pursuant to standard City and State procurement policies and procedures, the RFP allowed for confidential business information to be submitted (e.g., Illinois Combined Statutes, ILCS 140.7-g-h).

## **Summary of Base Proposals**

The RFP specified a “Base” level of solid waste collection services including, but not limited to:

1. Residential Waste Collection
2. Residential Recyclable Materials Collection
3. Residential Landscape Waste Collection
4. Stacked Condominiums
5. City Buildings
6. Peoria Public Schools (PPS)
7. Various Peoria County Facilities

Submitting a Base proposal was a required element of the RFP process to allow for similar price comparisons between Respondents. However, Respondents were encouraged to submit Alternate Proposals outside of the base specifications.

Detailed Base collection service standards were specified in the RFP packet, including Attachment 1 - Draft Solid Waste and Recycling Collection Services Agreement (“Draft Contract”). A qualitative summary of service elements proposed by each Respondent can be found as Attachment 1 to this memo.

## **Summary of Alternate Proposals as Submitted**

Alternate proposals were allowed and encouraged by the City’s RFP. Three (3) of the four (4) Respondents submitted Alternate Proposals as part of their original packets. Later, through the interview process, the Respondents provided additional information and clarification.

Because Respondents developed Alternate Proposals without RFP guided specifications, the Alternate Proposals cannot be directly compared between Respondents. However, Alternate Proposals can be compared to the same Respondent’s Base Proposal. This system of Base and Alternate Proposals was intended to encourage both competitive and creative submittals. Again, a qualitative summary of service elements proposed by each Respondent can be found as Attachment 1 to this memo.

## **Summary of Evaluation Criteria**

To evaluate the proposals, the RFP provided a brief evaluation criteria guide, which included the qualitative scoring criteria. Additionally, the proposals were reviewed by a separate Selection Committee composed of various individuals to review the proposals in as submitted. Following submittal, the Committee interviewed all Respondents and asked each various questions based on those interviews.

### *Selection Committee*

As previously provided to City Council, the Selection Committee was composed of Patrick Urich, Patrick Nichting, Jim Scroggins, Dave Meyers (Peoria Public Schools), and Scott Sorrel (Peoria County). The Selection Committee reviewed all proposals for services proposed in Base and Alternate options.

### Evaluation Criteria

Respondents were scored on eight categories and totals for each are presented in the following four (4) tables. For each category the highest ranked Respondent received a ten (10), the second received a seven (7), third received a four (4) and the last received a (1).

Table 1 Advanced Disposal									
Criteria-AD	Rater 1	Rater 2	Rater 3	Rater 4	Rater 5	Sub total Score	Weighting (%)	Score with Weighting applied	
1. Understanding of the work	4	4	4	4	4	20	10	2	
2. Customer service elements	1	1	4	4	1	11	10	1.1	
3. Qualifications	4	1	1	4	4	14	15	2.1	
4. Demonstrated compliance with state and county requirements	1	1	1	1	1	5	5	0.25	
5. Prices	4	4	4	4	4	20	35	7	
6. References	4	4	4	4	4	20	10	2	
7. Compliance with requirements of the RFP	1	1	1	1	1	5	5	2.5	
8. Acceptance of, or exceptions to, the Draft Contract	1	1	1	1	1	5	10	0.5	
<b>TOTAL</b>	<b>20</b>	<b>17</b>	<b>20</b>	<b>23</b>	<b>20</b>	<b>100</b>	<b>100</b>	<b>17.5</b>	

Table 2 City of Peoria - Public Works Department									
Criteria COP-PW	Rater 1	Rater 2	Rater 3	Rater 4	Rater 5	Sub total Score	Weighting (%)	Score with Weighting applied	
1. Understanding of the work	1	1	1	1	1	5	10	0.5	
2. Customer service elements	4	10	10	10	4	38	10	3.8	
3. Qualifications	1	7	4	1	1	14	15	2.1	
4. Demonstrated compliance with state and county requirements	7	7	7	10	4	35	5	1.75	
5. Prices	10	10	10	10	10	50	35	17.5	
6. References	1	1	1	1	1	5	10	0.5	
7. Compliance with requirements of the RFP	10	10	10	10	10	50	5	25	
8. Acceptance of, or exceptions to, the Draft Contract	10	10	10	10	10	50	10	5	
<b>TOTAL</b>	<b>44</b>	<b>56</b>	<b>53</b>	<b>53</b>	<b>41</b>	<b>247</b>	<b>100</b>	<b>56.2</b>	

Table 3 PDC Services, Inc.									
Criteria PDC	Rater 1	Rater 2	Rater 3	Rater 4	Rater 5	Sub total Score	Weighting (%)	Score with Weighting applied	
1. Understanding of the work	10	10	10	10	10	50	10	5	
2. Customer service elements	10	7	7	1	7	32	10	3.2	
3. Qualifications	10	10	10	10	10	50	15	7.5	
4. Demonstrated compliance with state and county requirements	10	7	10	7	7	41	5	2.05	
5. Prices	7	7	7	7	7	35	35	12.25	
6. References	10	7	10	10	7	44	10	4.4	
7. Compliance with requirements of the RFP	7	7	7	7	7	35	5	17.5	
8. Acceptance of, or exceptions to, the Draft Contract	7	7	7	7	7	35	10	3.5	
<b>TOTAL</b>	<b>71</b>	<b>62</b>	<b>68</b>	<b>59</b>	<b>62</b>	<b>322</b>	<b>100</b>	<b>55.4</b>	

Table 4 Waste Management									
Criteria WM	Rater 1	Rater 2	Rater 3	Rater 4	Rater 5	Sub total Score	Weighting (%)	Score with Weighting applied	
1. Understanding of the work	7	7	7	7	7	35	10	3.5	
2. Customer service elements	7	4	1	7	10	29	10	2.9	
3. Qualifications	7	4	7	7	7	32	15	4.8	
4. Demonstrated compliance with state and county requirements	4	4	4	4	7	23	5	1.15	
5. Prices	1	1	1	1	1	5	35	1.75	
6. References	7	10	7	7	10	41	10	4.1	
7. Compliance with requirements of the RFP	4	4	4	4	4	20	5	10	
8. Acceptance of, or exceptions to, the Draft Contract	4	4	4	4	4	20	10	2	
<b>TOTAL</b>	<b>41</b>	<b>38</b>	<b>35</b>	<b>41</b>	<b>50</b>	<b>205</b>	<b>100</b>	<b>30.2</b>	

### *Scores of Respondents*

The Respondents were evaluated and scored by each member using a weighted system. The Respondents are listed below from highest weighted score to lowest below:

1. City of Peoria Public Works Department
2. PDC Services, Inc.
3. Waste Management
4. Advanced Disposal Services

### **Summary of Cost as Submitted**

Unit prices for both Base Proposals and Alternates as submitted are located in attachment 2. Highlight cells indicate a “bundle” service element offered by the Respondents. The costs indicated in Table 2 do not include all costs associated with solid waste services, please see Section: *Summary of Costs not included in Proposals* below for further detail. Attachment 2 also includes ten year cost projections for five scenarios based on costs detailed below and costs provided by Respondents to complete the services.

### **Summary of Costs not included in the Proposals**

The purpose of this section is to describe costs and assumptions not required within the proposals but will need to be considered to understand the long term cost projections of the proposals. Additionally, when necessary, assumptions were provided to detail how expenses were developed.

#### *Trash Disposal*

Previously, waste disposal at Peoria City County Landfill No. 2 (PCCL2) was included as part of the contract for services for solid waste collection. The RFP was structured to remove the cost of disposal from the contract and to be paid directly by the City of Peoria in an attempt to reduce overall costs for residents and better manage the contract. For cost projections, 36,000 tons per year was used as the assumed disposal tonnage. 36,000 tons per year is based on historical tonnage disposed at PCCL2 from the residential units and recycling diversion expected to occur with increased accessibility to recycling. There is expected to be some population change but 36,000 tons is a conservative value for this projection in that disposal tonnage is expected to decrease overtime as every other week, city-wide recyclable collection is fully implemented and a more robust education strategy is in place. The cost per household per month differs each year as landfill tipping fees adjust per ton. In 2019, the residential unit disposal cost is estimated to be \$4.84 per household, per month. In 2023, when Peoria City/County Landfill 3 (PCCL3) begins operations, the residential unit disposal cost is estimated to reduce to \$3.34 per household per month.

#### *Recycling Cart Purchase and Management*

If the City chooses to offer city-wide and every other week recycling, various grants and zero (0) percent interest loans are available to the City to purchase recycling carts, equipment and supplement education and outreach. To prepare for this scenario and to determine the true cost of collection and processing, purchase of Recycling carts was

removed from the RFP. Purchasing the carts directly is an attempt to reduce the overall cost to the residents.

The cost for recycling carts for every household without grants, assembled and delivered to residents is approximately \$2.25 million dollars. This cost is amortized over a ten (10) year period in the cost projection which equates to approximately \$0.47 per household per month. This cost does not include interest. Cart management will require at a minimum one full time staff member and a service vehicle, these costs have been accounted for cost projection and are estimated to be \$0.19 per household, per month.

#### *Landscape Waste Disposal*

For the same reasons as removing trash disposal costs, Landscape Waste disposal costs were removed from the contract during the RFP. Removing the Landscape Waste disposal costs from the contract for collection is an attempt to reduce the overall costs to residents. Based on conservative disposal tonnage and area rates, disposal costs were estimated to be approximately \$115,000 per year, or \$0.23 per household, per month. Cost scenarios use the 2019 rate and escalate at 3% per year.

#### *Stacked Condo Residential Collection, Recycling and Disposal*

The RFP requested pricing for residential waste collection and recycling material collection and processing from Stacked Condos. The base specifications removed disposal costs from the contract and planned for them to be paid by the City directly. The cost per unit, per month differs each year as landfill tipping fees adjust per ton. Disposal costs per unit are estimated to be \$2.13 per unit per month for disposal at Peoria City County Landfill No. 2 in 2019.

#### *Payback to General Fund*

Historically, solid waste costs have been subsidized by the general fund and solid waste owes approximately \$4.6 million back to the general fund. The amount owed may be paid back based on the new phased fee structure recently approved by City Council and may be able to begin building a contingency into the solid waste fund. These payments would be different each year based on other costs associated with solid waste services as to maintain a positive cash flow each year. The scenarios in Attachment 2 do not include payments.

#### *Contract Administration*

Every contract requires administration from processing invoices to managing the contractor requirements, this contract will be the same. These costs include finance personnel, communication staff, administration staff and Peoria County fee (for billing). The costs are currently estimate at \$200,000. Cost scenarios use the 2019 rate and escalate at 3% per year.

#### *Illegal Dumping*

The City of Peoria's documented costs for pickup of illegally dumped waste in alleys, vacant lots and other right of ways was \$130,000 for 2017. With continued enforcement and bulky waste pickup, it is estimated this cost will go down overtime. Because of the direct correlation with illegal dumping and bulky waste, bulky item collection and identification will be heavily monitored in the new contract for services. Currently this

cost is included as part of Public Works general operations budget, but it could be accounted for in the solid waste fund as financial stability is gained. The cost projections do not currently include illegal dumping costs.

#### *City Building and other Disposal Costs*

The base specifications removed City building disposal costs from the contract planned for them to be paid by the City directly. Additionally, the disposal costs include street sweepings and other disposal fees related to hazardous waste or banned items from the landfill that may be a part of regular pickups. The 2019 costs for this category is \$50,000. Cost projections use the 2019 rate and escalate at 3% per year.

#### *Education Costs*

A more robust education campaign for all solid waste programs will be required in the future, particularly for increased recycling. As part of the base specification in the RFP, the Contractor is required to have coordinate education to the public with City approval. The cost projections plan for an additional \$60,000 per year in education costs, which may include mailings, staff time, advertisements, etc. In the past, public education costs have not been included in the solid waste program and this is an improvement from the current system. Cost projections use the 2019 rate and escalate at 3% per year.

#### *Downtown Receptacles and Riverfront Collection and Disposal*

The City of Peoria has a contract for collection and disposal for the numerous downtown waste receptacles and Riverfront Park containers. These costs are nearly \$90,000 per year and are included in the cost projections. Cost projections use the 2019 rate and escalate at 3% per year.

### **Requested Action from City Council**

City and Foth staff recommend that a hybrid approach be implemented with the new contract. Garbage collection services would be provided by PDC, and yard waste and recycling services would be provided by the City of Peoria Public Works Department. The evaluators of the proposals determined that PDC's experience was superior. Their qualifications, understanding of the scope of work and references clearly exceeded the City of Peoria. The City's pricing, customer service and compliance to the RFP were better than Peoria Disposal Company.

In order to make a recommendation, the evaluation team discussed the risk associated with the contract, specifically a new vendor at this time, and the cost of the services provided. The lowest cost provider is the City of Peoria. However, the risk premium is highest with the City providing the service. The City has not been in the business of solid waste collection. Establishing a new service with very little experience in running a program of this magnitude increases risk to the City.

If PDC were to provide the service, the risk premium would be at a minimum. The public overwhelmingly enjoys the service provided by PDC, but the price of providing the service has increased considerably. PDC did not provide universal recycling in their alternative proposals. Thus, the risk premium is low for PDC providing the service, but the costs are higher.

City staff discussed a hybrid model where PDC would continue to provide trash collection services while the City collected recycling and yard waste. The advantage for the City is considerable. During cold weather months, staff assigned to yard waste collections could provide snow removal services and large vehicle maintenance will see synergies throughout multiple City departments. The City could provide a legitimate check on PDC to determine if their pricing is competitive, lowering the risk premium of the City by providing a portion of the service. The disadvantage of the hybrid approach is service coordination. PDC and the City would have to coordinate on routes to ensure that trash, recycling and yard waste were all picked up in a coordinated manner. Overall, the cost of a hybrid approach would be higher than choosing the City alone, but the control provided to the City would outweigh the higher cost.

Based upon the costs and the risk premiums associated with garbage collection, City and Foth staff recommend the hybrid approach: PDC provides waste collection services; and the City provides recycling and landscape waste collection service.

## **Attachments**

Attachment 1 – Qualitative Summary of Services as Proposed

Attachment 2 – Unit Prices and Cost Projections

Attachment 3 – February 10, 2018 Policy Session Follow-up Responses





# **ATTACHMENT 1 – QUALITATIVE SUMMARY OF SERVICES AS PROPOSED**





## Memorandum

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March 20, 2018

TO: Peoria City Council Members

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Dave Meyers, Peoria Public Schools  
Scott Sorrel, Peoria County

FR: Joshua Gabehart, P.E., Dan Krivit; Foth Infrastructure & Environment, LLC

RE: Summary of Selected Qualitative Elements of Proposals as Submitted

### Introduction

The City of Peoria released a request for proposals (RFP) on August 11, 2017 and subsequently issued six (6) RFP Addenda. The RFP designation issued by the City was RFP #29-17. Four Respondents submitted proposals by the amended deadline of Thursday, November 9, 2017:

- ◆ Advanced Disposal Services (“Advanced”)
- ◆ City of Peoria, Public Works Department (“PWD”)
- ◆ PDC Services, Inc. (“PDC”)
- ◆ Waste Management (“WM”)

The purpose of this memorandum is to summarize selected qualitative elements of proposals for the Proposal Selection Committee; not all proposal details are included.

### Summary of Base Proposals as Submitted

The RFP specified a “Base” level of solid waste collection services including, but not limited to: Waste, Recyclable Materials and Landscape Waste to all Residential Units, Stacked Condominiums, City Buildings, Peoria Public Schools (PPS), and various Peoria County Facilities. Submitting a Base proposal was a required element of the RFP process to allow for similar price comparisons between Respondents.

Detailed Base collection service standards were specified in the RFP packet, including within Attachments 1 - Draft Solid Waste and Recycling Collection Services Agreement (“Draft Contract”).

Table 1 displays Foth’s side-by-side summary of selected elements of each Base Proposal as submitted by the Respondents; not all service elements are listed. No interpretations or proposal modifications are provided or intended by Foth. Table 1 is intended to quickly display selected service elements in the Base Proposals as submitted. Unless specified by these highlighted cells, Foth has assumed that all Respondents adhered to the minimum collection service standards as part of their Base Proposal.

### **Summary of Alternate Proposals as Submitted**

Alternate proposals were allowed and encouraged by the City’s RFP. Three (3) of the four (4) Respondents submitted Alternate proposals; Advanced Disposal Systems submitted a Base proposal only and no Alternate.

Because the Alternate proposals were created by the Respondents outside of the Base specifications, the Alternates are stand-alone system options that cannot be directly compared between Respondents. However, Alternate proposals can be compared to the same Respondent’s Base proposal. This system of Base and Alternate proposals was intended to encourage both competitive and creative submittals.

Table 2 outlines selected Alternate Proposal elements as submitted by the Respondents. No interpretations or proposal modifications are provided or intended by Foth. Not all service elements are listed.

### **Advanced Disposal Services**

Advanced Disposal Services (“Advanced”) provided one (1) proposal as a response to RFP #29-17. Advanced requested a significant alteration to the Draft Contract for a ten (10) year base term although a five (5) year contract term was required by the RFP specifications for the Base proposals. Additional services were included in the Base proposal.

### **City of Peoria – Public Works Department**

City of Peoria – Public Works Department (COP-PWD) provided one (1) Base and two (2) Alternate proposals within their RFP response packet. Several additional services including a CDL Training Program, high minority work force utilization, additional debris and tire removal and other items were included in the base proposal of note to the City. The following provides a brief summary of selected elements of each Alternate proposal.

#### ***PWD’s “Alternate Proposal #1”***

#### ***Trash & Recycling Cart Procurement, Distribution and Management Services:***

- ◆ PWD would provide contracted purchasing services (e.g., cart grant application to The Recycling Partnership, etc.)

***PWD's "Alternate Proposal #2"***

***8 yard dumpsters for Neighborhood Cleanup Boxes:***

- ◆ Use of 8 yard dumpsters instead of 20 yard roll-off boxes for Neighborhood Cleanups. (Details of locations and dumpster service schedules are not yet specified but the PWD proposal implies these details would be worked out during the implementation planning phase in June to September 2018.)

**PDC Services, Inc.**

PDC provided one (1) base and two (2) alternative proposals within their RFP response packet. PDC's Base proposal for public education proposes that PDC would pay the City \$1 per household per year for the City to do all of the public education, including the tools assigned to the Contractor in the RFP Base Proposal specifications.

The following provides a brief summary of each Alternate proposal.

***PDC's "Alternate Proposal 1":***

- ◆ Commencement date of July 1, 2018 instead of the Base proposal date of July 1, 2019
- ◆ Disposal of Waste from Stacked Condominiums, City Buildings, PPS, and County Facilities would be delivered to a disposal facility of PDC's choosing
- ◆ Recycling would be provided to households on an "opt-in" basis and no deposit fee (not citywide, with all households automatically receiving a cart as per the Base proposal)
- ◆ Recycling collection for those who opt-in would be at curbside and not alley with normal trash.
- ◆ Landscape Waste collection and disposal costs included, City would not have to pay for disposal costs directly as per Base proposal
- ◆ Landscape Waste would be 39 weekly collections rather than the Base proposal of reduced to monthly over summer months
- ◆ Forego remaining payments due to PDC for purchase of existing Trash Carts (Note: ***Many*** other detailed service elements are in PDC's Alternate Proposal 1).

***PDC's "Alternate Proposal 2":***

- ◆ Same list of Alternate service elements as in PDC's Alternate Proposal 1, except that all collection of materials from Residential Units (trash, recycling, landscape waste) to be performed at curbside (i.e., no alley collection)

***PDC's "Modified Alternate Proposal 1":***

- ◆ Same list of Alternate service elements as in PDC's Alternate Proposal 1, except:
  - ◆ Contract commencement April 1, 2018, proposed services fully implemented October 1, 2018.
  - ◆ Initial 7 year contract term with 3 year mutually agreed upon extension
  - ◆ Education funding increased from \$40,000 to \$75,000 per year
  - ◆ Reduced proposed annual contract escalator from 3% to 2.75%

**Waste Management Inc.**

Waste Management (WM) provided one (1) base and one (1) alternative proposals within their RFP response packet. WM specifies Lombard, IL as their location for customer service operations for both their Base and Alternative Proposal; WM does not plan to have a local customer service office in Peoria as required by the RFP specifications for the Base proposals. The following narrative provides a high level summary of selected elements of WM's "Alternative" proposal.

***WM's "Alternative Proposal":***

- ◆ Non-Containerize Waste above one cart would be contained in an additional cart paid for by residents on a subscription basis.
- ◆ 38 weeks per year of curbside landscape waste service collection service (instead of 26 weeks per year in the Base proposal).
- ◆ Limit of six (6) Bulky Waste Items per year at no charge with a fee for more than six 6 Bulky Items per year (instead of unlimited in the Base proposal).
- ◆ *At Your Door Special Collection Service*<sup>SM</sup> (an exclusive program of WM) collections of household hazardous waste and other hard-to-recycle items (instead of collection with Bulky Waste Items set outs in the Base proposal).

**Attachments**

Attachment 1A – Service Summary Tables

## **ATTACHMENT 1A – SERVICE SUMMARY TABLES**





## **ATTACHMENT 2 – PROPOSED UNIT PRICES AND COST PROJECTIONS**

**Table 1 - BASE Proposals**

<b>Respondents:</b>	<b>Advanced</b>	<b>COP-PWD</b>	<b>PDC</b>	<b>WM</b>
<b>BASE Proposals</b>				
Proposed Contract Term	10 Years (a)	5 Years	5 Years	5 Years
Commencement Date	July 1, 2019	July 1, 2019	July 1, 2019	July 1, 2019
Initial 5-Year End Date	June 30, 2024	June 30, 2024	June 30, 2024	June 30, 2024
Proposed Changes to Draft Contract	Yes	No	Yes	Yes
Proposed Change in Procurement Partner	Yes	Yes	Yes	Yes
Contractor's Public Education	Yes	Yes	No (c)	Yes
Local Customer Service Office	Yes	Yes	Yes	No (d)
<b>E.1 Residential Collection Services</b>				
E.1.1 Residential Waste Collection:	Yes Separate unit price	Yes Separate unit price	Yes Separate unit price	No. Excess recyclables held until next collection (2 Carts) Yes "Bundled" into one Solid Waste (SW) price
E.1.2 Recyclable Materials Collection/Processing:	Yes Separate unit price, but with Revenue/Risk Sharing (b)	Yes Separate unit price	Yes Separate unit price	Yes "Bundled" into one SW price
Curbside Recycling Design:	EOW, Citywide, "Opt Out"	EOW, Citywide, "Opt Out"	EOW, Citywide, "Opt Out"	EOW, Citywide, "Opt Out"
E.1.3 Landscape Waste Collection:	Yes Separate unit price	Yes Separate unit price	Yes Separate unit price	Yes "Bundled" into one SW price
<b>E.6 Neighborhood Cleanup Days</b>	Yes No added charge.	Yes No added charge.	Yes No added charge.	Yes "Bundled" into one SW price

Notes:

- (a) Advanced proposed a 10-year Contract term in their Base Proposal
  - (b) Advanced proposed a recycling revenue/risk sharing element in their Base Proposal. (See verbatim proposal as submitted for more details.)
  - (c) PDC's Base proposal for public education (PE) is the same as the Alternates: Pay the City \$1 per year per household for the City to do all of the PE outreach.
  - (d) WM proposes to use their Lombard, IL regional customer service center as their "local" office for Peoria.
- (Highlighted cells indicate a change in proposed Base specifications.)

**Table 2 - ALTERNATE Proposals**

Respondents:	Advanced	COP-PWD		PDC			WM
		(No alternates submitted)	"Alternate Proposal #1" "... Cart Procurement ..."	"Alternate Proposal #2" "8 Yard Dumpsters"	Alternate Proposal 1	Alternate Proposal 2	
Title of Alternate Proposals:				Same elements in both Alternate 1 and 2			
Commencement Date		Same as Base	Same as Base	July 1, 2018		April 1, 2018	Same as Base
Initial 5-Year End Date		Same as Base	Same as Base	June 30, 2023		June 30, 2025	Same as Base
Annual Escalator		Same as Base	Same as Base	Fixed at 3%		Fixed at 2.75%	Same as Base
Procurement Partners		Same as Base	Same as Base	City only. No Schools or County in this City-only contract. (g)			Same as Base
Who Pays Waste Disposal		City. (Same as Base)	City. (Same as Base)	PDC for Procurement Partners and neighborhood cleanups.			City. (Same as Base)
Who Specifies Waste Disposal Location		City. (Same as Base)	City. (Same as Base)	PDC for other Procurement Partners and neighborhood cleanups.			City. (Same as Base)
Other Specified Financial Incentives				Yes. Forego 3% escalator until new contract starts. Forego trash carts pymnts. Accelerate LF3 pymnts. (h)			Same as Base
Unlimited Waste Collection		Yes	Yes	No. Extra carts by subscription (i)			Same as Base
Recycling Citywide ("opt out")		Yes	Yes	No. "Opt-in" basis. No cart deposit up to 2 carts			Same as Base
Unlimited Recyclables Collection		Yes	Yes	No. Excess recyclables held until next collection (2 Carts) (j)			No.
Non-Containerized Waste				Limited			Limited
Recyclables Collection Location		Same as Base	Same as Base	Curbside only; No alleys.			Same as Base
Yard Waste Season		Same as Base	Same as Base	39 weeks per year			38 weeks per year
Public Education by Contractor		Yes. Same as Base	Yes. Same as Base	No. PDC would pay City \$1 per household per year (k)	PDC pays City \$75,000 per year (k)		Yes. Same as Base
Cart Procurement		PWD procures carts (e)		PDC purchases recycling carts as per current contract			Same as Base
Clean-Up Events			8 cu. yd. dumpsters (f)	Same as Base			Yes. Same as Base
Average Truck Age		Yes. Same as Base	Yes. Same as Base	No. This average truck age requirement proposed to be deleted/modified			Yes. Same as Base
Other Changes to Other Contracts		No. Same as Base	No. Same as Base	Yes. Proposed changes to Landfill Agreement (LF#3) (l)			
Bulky Waste		Yes. Same as Base	Yes. Same as Base	Same as Base	Same as Base	Same as Base	Up to six (6) per year
Household Hazardous Waste		Same as Base	Same as Base	Same as Base	Same as Base	Same as Base	At Your Door <sup>SM</sup>
Residential "Curbside" vs. "Alley Collection Location				Same as Base	Curbside only. (No alleys)	Curbside only. (No alleys)	

Notes:

- (e) DPW to procure carts (e.g., pursue grants) instead of City.
- (f) DPW proposes to replace 20-cubic yard roll-offs with 8-cubic yard dumpsters for servicing Neighborhood Cleanups.
- (g) PDC's Alternate Proposals 1 and 2 would not include County Facilities and Peoria Public Schools unless these entities opt-in.
- (h) PDC's Alternate Proposals 1 and 2 would provide the following financial incentives:
  1. Forgo the 3% escalation that will become effective on January 1, 2018 under the current hauling contract.
  2. Forgo any remaining payments from the City on trash carts under the current Roll-Out Cart Agreement.
  3. Accelerate the second installment payments due to the City and County.
- (i) For households requesting an additional trash cart, PDC's Alternate Proposals 1 and 2 would charge an additional monthly rental fee of \$4 per trash cart.
- (j) PDC's Alternate Proposals 1 and 2 allow one additional Recycle cart at no charge. Any additional carts (above 2) would be provided for a monthly rental fee of \$4 per cart.
- (k) PDC's Alternate Proposals 1 and 2 are the same as their Base proposal: Pay the City \$1 per year per household for the City to do all of the public education outreach.
- (l) PDC's Alternate Proposals 1 and 2 propose to second Landfill #3 (LF#3) payment be accelerated if two changes are made to the Landfill Agreement:
  1. Change operating hours to M-F, 7am to 4pm and Sat 7am to noon.
  2. At PDC Discretion to open the LF#3 composting facility.



Unit Counts:	Units	Notes
Number of Households	39782 HH	
Number of Stacked Condos	1269 HH	
Peoria Stadium Landscape Waste pulls	12.00 pulls per year	(s), (t)

Disposal costs:		
PDC estimated Disposal fees (trash, LW, cleanup boxes, stacked)	\$2,749,511.00 per year	(b)
PDC estimated Disposal fees for Residential Waste Only	\$2,166,866.00 per year	(d)
Estimated Current Collection and Disposal fees for Stacked Condo	\$18,451.00 per year	
Foth Estimated Disposal Costs, Annualized 2019-2023	\$2,356,645.02 per year	(l)

Other Solid Waste Costs		
Administration Costs	\$200,000.00 per year	
Other City Disposal Costs (Street Sweepings, City Buildings, Bulk)	\$50,000.00 per year	
Riverfront and Downtown Collection and Disposal Costs	\$88,000.00 per year	
Education Costs	\$60,000.00 per year	
Illegal Dumping Collection Costs - PW staff	\$0.00 per year	

Assumed annual CPI adjustments:		
Per the PWD proposed Alternates	3.00% per year (fixed)	
Contingency	0.0%	
Per PDC's proposed Alternates	2.75% per year (fixed)	
3% escalation 2018 PDC services	\$96,000.00 per year	(i)

Trash Cart Payments		
PDC Alternates #1 and #2: waiver of annual payments still due to	\$295,000.00 per year for two years	(k)

Landfill Payment from PCCL Inc. to City/County:		
(Earlier than commencement of Landfill 3 Agreement)	\$450,000.00 per year	(f)

Disposal costs per HH per month <sup>u</sup>				
	units	Residential unit	Stacked Condo PCCL2 est.	PDC Stacked Condo Disposal
2019	\$/HH/mo	\$ 4.84	\$2.13	\$0.00
2020	\$/HH/mo	\$ 5.14	\$2.26	\$0.00
2021	\$/HH/mo	\$ 5.45	\$2.40	\$0.00
2022	\$/HH/mo	\$ 5.79	\$2.55	\$0.00
2023	\$/HH/mo	\$ 3.34	\$1.47	\$0.00
2024	\$/HH/mo	\$ 3.46	\$1.52	\$0.00
2025	\$/HH/mo	\$ 3.59	\$1.58	\$0.00
2026	\$/HH/mo	\$ 3.72	\$1.64	\$0.00
2027	\$/HH/mo	\$ 3.85	\$1.70	\$0.00
2028	\$/HH/mo	\$ 3.99	\$1.76	\$0.00
2029	\$/HH/mo	\$ 4.13	\$1.82	\$0.00
2030	\$/HH/mo	\$ 4.28	\$1.89	\$0.00

Target Revenue Collection	
Revenue Collection Rate from City of Peoria	91% per year

**Notes:**

- (a) Advanced Disposal's Proposal states they will "share any revenue generated from the sale of residential collected recyclable material throughout the term of this agreement should the amount received by Advanced Disposal exceed \$20/ton. Further, we will pass on the cost of any tipping fee (net processing and commodity value should that tipping fee exceed \$20/ton." Revenue (or costs) from this Advanced Proposal element is not included in this economic analysis. Cost provided based on 10 year price because no 5 year cost estimate was
- (b) PDC estimated disposal fees for the **Base Proposal** to be approximately \$2,749,511 per year (per PDC Form E, Summary - Pages 2 - 3).
- (c) PDC will provide carts and have the City purchase from PDC at a 10 year annualized 2.5% interest.
- (d) PDC estimated disposal fees for **Alternative #1 and Alternative #2** to be \$2,166,866 per year. PDC is providing disposal fee within the yard waste \$/HH/year. PDC is covering costs for disposal fees for non-residential services within the Alternative #1 and Alternative #2 for all five years (per PDC Form E, page 2-3).
- (e) PDC's Proposal Alternates #1 and #2, as one option, does not include the County Facilities and Schools as these could be separate contracts from the City. PDC would pay for disposal separately for these other Procurement Partners, plus Stacked Condos and Neighborhood Cleanups, and Waste from these entities would be disposed at a landfill of PDC's choosing (and likely NOT PCCL #2 and PCCL #3).
- (f) In conjunction with Peoria City/County Landfill Inc., PDC Services is proposing that the second installment payment of \$450,000 payable each to the City and County upon PCCLF#3 (currently contracted to commence upon initial acceptance of Waste) will be accelerated and paid on January 23, 2018 or such date as the proposed new collection agreement with PDC Services is executed by the City. These payments would be conditioned on the City and County approving the following:
1. Operating hours for PCCL#3 will be changed to the following: Monday - Friday, 7AM to 4PM; Saturday, 7AM to 12PM. These are the same operation hours for Peoria City/County Landfill #2 pursuant to a 2014 Settlement Agreement between the City, the County and Waste Management. The Landfill Agreement between Peoria City/County Landfill Inc. and the City and County specifies somewhat longer operating hours: Monday - Friday 7AM to 5:30 PM; Saturday 7AM to 5:30PM.
  2. Peoria City/County Landfill Inc. would be given the discretion to not open and operate the Peoria City/County Landfill #3 Compost facility. As a result of its 2014 Settlement Agreement with the City and County, Waste Management has discontinued operating the compost facility at the Peoria City/County
- (g) COP-PWD: Solid Waste Collection Service fee includes an estimated \$4.50 per household per year of education and outreach service.
- (h) PDC Base proposal includes a \$1.00 per household per year for education and outreach programing as directed in their response on Monday December 18, 2017. No information relating to website in PDC proposal.
- (i) PDC Services would forego the 3% contractual escalation that is due to be applied under the current collection Agreement on January 1, 2018. The new contract would be effective on July, 1 2018. PDC Services estimates the City will save approximately \$96,000 during the six month period from January through June 2018 (per PDC Proposal Alternates, Summary Page 1).
- (j) Each of these evaluated costs are for a five year period. PDC's Alternatives #1 and #2 would start in July 2018 so that their five year period would end in July 2023. The other proposals, plus PDC's Base Proposal, would begin in 2019 and end in 2024 (as detailed in the RFP Base Proposal specifications).

**Notes:**

- (k) PDC Services would forego any remaining cart payments from the City to PDC under the current Cart Roll-Out Agreement with the City during the period July 1, 2018 to June 30, 2020. PDC estimates this would save approximately \$295,000 annually during this two year period (per PDC Proposed Alternates, Summary - Page 1). Based on current invoices to the city Foth estimates the savings to be \$293,666.40 annually.
- (l) Foth calculated an estimated Waste disposal fee for all service elements (residential and non-residential) requested within the Base Proposal. It is estimated to be approximately \$2,434,725 per year.
- (m) Advanced Disposal and PDC Services both included Trash Services for Bent Grass Condominiums (E2). And Advanced Disposal included Landscape Waste Services at the County Courthouse (E4). Both of these estimates for collection have been included as provided by Advanced Disposal and PDC Services.
- (n) Advanced Disposal and COP-PWD had minor cost differences between what their proposed total cost and what was calculated through Quality Control by Foth. Foth has used the calculated cost estimate.
- (o) For the purposes of these estimates it is assumed Waste Management's Base and Alternative proposals estimates for non-residential services are included in the Residential base costs. Non-residential prices are include in the "Base Unit" table as separate line items but are not incorporated into the 5-year cost calculation.
- (p) For COP-PWD's Base Proposal, weekly recycling fee for county buildings "included in weekly waste fee".
- (q) Under PDC's proposal, any required 2 yard container would be a fee of \$7.00/unit/week, instead of
- (r) Residential Waste collection (\$23.62) includes recyclable materials collection, and Landscape waste collection. See note (o) for other assumptions.
- (s) WM's \$2,220 estimate for Peoria Stadium Landscape Waste Collection Fee based on assumed 12 pulls per
- (t) PDC's proposal for Peoria Stadium landscape waste collection fee assumes 12 pulls per year and excludes disposal fee.
- (u) Disposal Cost estimate based on assumed disposal waste volume of 37,396 tons per year for the residents of Peoria. Estimated using the future contract disposal fees for Landfill 2 and Landfill 3.
- (v) Disposal Cost based on disposal tonnages and fees at the Landfill 2 for 2016.

Table 1 As submitted Nov 9		Respondents:							
BASE Service Element	Units	AD	COP-PWD	PWD-Alt 2	PDC	PDC-Alt 1	PDC-Alt 2	WM	WM-Alt 1
<b>E.1 Residential</b>									
E.1.1 Residential Waste Collection	\$/HH/mo.	\$9.60	\$4.30	\$4.13	\$7.22	\$6.61	\$5.81	\$23.62 (r)	\$20.18 (r)
Edu/Outreach	\$/HH/mo	\$0.00	\$0.00	\$0.00	-\$0.08	-\$0.08	-\$0.08	\$0.00	\$0.00
E.1.2 Recyclable Materials Collection/Processing	\$/HH/mo.	\$2.45	\$1.95	\$1.86	\$5.29	\$1.85	\$1.85	\$0.00	\$0.00
E.1.3 Landscape Waste Collection	\$/HH/mo.	\$2.75	\$2.00	\$1.91	\$3.31	\$3.23	\$3.23	\$0.00	\$0.00
<b>E.2 Stacked Condominiums</b>									
Waste Fee	\$/yr	\$69,706.00	\$0.00	\$0.00	\$13,065.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Fee	\$/yr	\$24,960.00	\$0.00	\$0.00	\$5,278.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>E.3 City Buildings</b>	\$/yr								
Waste Fee	\$/yr	\$24,024.00	\$0.00	\$0.00	\$7,670.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Fee	\$/yr	\$15,704.00	\$0.00	\$0.00	\$4,550.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>E.4 County Buildings</b>									
Waste Fee	\$/yr	\$32,396.00	\$13,999.44	\$13,999.44	\$9,756.76	\$17,873.96	\$17,873.96	\$0.00	\$0.00
Recycling Fee	\$/yr	\$17,316.00	\$0.00	\$0.00	\$3,628.04	\$3,628.04	\$3,628.04	\$0.00	\$0.00
<b>E.5 Peoria Public Schools</b>									
Waste Collection	\$/yr	\$124,488.00	\$103,998.96	\$103,998.96	\$48,078.68	\$98,954.96	\$98,954.96	\$0.00	\$0.00
Peoria Stadium Landscape Waste Collection Fee	\$/yr				\$3,000.00	\$8,000.00	\$8,000.00	\$0.00	\$0.00
Waste Collection Summer Rate	\$/wk		\$0.00	\$0.00					

Note: Prices highlighted are for Bundled price  
See Attachment 1 for further details of service components

Table 2- Follow up costs		Respondents:							
BASE Service Element	Units	AD	COP-PWD	PWD-Alt X	PDC	PDC-Rev.Alt 1	PDC-Mod. Alt 1	WM	WM-Alt 1
<b>E.1 Residential</b>									
E.1.1 Residential Waste Collection	\$/HH/mo.	\$9.52	\$4.30	\$4.73	\$6.88	\$6.35	\$6.21	\$23.62 (r)	\$20.18 (r)
Edu/Outreach	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.08	\$0.08	\$0.08	\$0.00	\$0.00
E.1.2 Recyclable Materials Collection/Processing	\$/HH/mo.	\$2.45	\$4.75	\$2.06	\$3.43	\$1.78	\$1.78	\$0.00	\$0.00
E.1.3 Landscape Waste Collection	\$/HH/mo.	\$2.75	\$0.00	\$2.11	\$3.13	\$3.10	\$3.10	\$0.00	\$0.00
<b>E.2 Stacked Condominiums</b>									
Waste Fee	\$/yr	\$69,706.00	\$0.00	\$0.00	\$13,065.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Fee	\$/yr	\$24,960.00	\$0.00	\$0.00	\$5,278.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>E.3 City Buildings</b>	\$/yr								
Waste Fee	\$/yr	\$24,024.00	\$0.00	\$0.00	\$7,670.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Fee	\$/yr	\$15,704.00	\$0.00	\$0.00	\$4,550.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>E.4 County Buildings</b>									
Waste Fee	\$/yr	\$32,396.00	\$13,999.44	\$13,999.44	\$9,756.76	\$17,873.96	\$17,873.96	\$0.00	\$0.00
Recycling Fee	\$/yr	\$17,316.00	\$0.00	\$0.00	\$3,628.04	\$3,628.04	\$3,628.04	\$0.00	\$0.00
<b>E.5 Peoria Public Schools</b>									
Waste Collection	\$/yr	\$124,488.00	\$103,998.96	\$103,998.96	\$48,078.68	\$98,954.96	\$98,954.96	\$0.00	\$0.00
Peoria Stadium Landscape Waste Collection Fee	\$/yr				\$3,000.00	\$8,000.00	\$8,000.00	\$0.00	\$0.00
Waste Collection Summer Rate	\$/yr	\$99,580.00	\$0.00	\$0.00					

Note: Prices highlighted are for Bundled price  
See Attachment 1 for further details of service components



Cost Breakdown		PDC SERVICES TIME PERIOD		Public and Private Operations, Landscape-Every Other Week											
Solid Waste Costs		2018 Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Residential Waste Collection	\$/HH/mo.	\$9.00	\$9.27	\$6.35	\$6.52	\$6.70	\$6.89	\$7.08	\$7.27	\$7.47	\$7.68	\$7.89	\$8.11	\$8.33	\$8.56
Residential Trash Disposal	\$/HH/mo	\$4.70	\$4.84	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo	\$0.10	\$0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.	\$0.00	\$0.00	\$1.97	\$2.03	\$2.09	\$2.15	\$2.22	\$2.28	\$2.35	\$2.42	\$2.50	\$2.57	\$2.65	\$2.73
Recycling Cart Purchase (over 10 years)	\$/HH/mo	\$0.00	\$0.00	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Recycling GRANT	\$/HH/MO	\$0.00	\$0.00	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06
Recycling Cart Management	\$/HH/mo	\$0.00	\$0.00	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27
Landscape Waste Collection (EOW)	\$/HH/mo.	\$0.00	\$0.00	\$2.02	\$2.08	\$2.14	\$2.21	\$2.27	\$2.34	\$2.41	\$2.48	\$2.56	\$2.64	\$2.71	\$2.80
Landscape Waste Disposal	\$/HH/mo	\$0.00	\$0.00	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27	\$0.28	\$0.29	\$0.30	\$0.31	\$0.32
<b>Residential SUBTOTAL</b>	\$/HH/mo	\$13.80	\$14.21	\$16.01	\$16.62	\$17.25	\$17.91	\$15.80	\$16.26	\$16.74	\$17.24	\$17.75	\$18.27	\$18.81	\$19.36
Stacked Condo Residential Collection	\$/HH/mo	\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Condos SUBTOTAL</b>	\$/HH/mo	\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Payback General Fund	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo	\$0.10	\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo	\$0.18	\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25
* Education Costs (60K)	\$/HH/mo	\$0.00	\$0.12	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17
Administration Cost (at 200K)	\$/HH/mo	\$0.42	\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56
<b>General Costs SUBTOTAL</b>	\$/UNIT/mo	\$0.70	\$0.81	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12
Residential Subtotal	\$/yr	\$ 6,587,899.20	\$ 3,391,813.32	\$ 3,822,436.03	\$ 7,934,079.69	\$ 8,236,135.96	\$ 8,551,682.92	\$ 7,541,225.40	\$ 7,763,900.46	\$ 7,993,023.48	\$ 8,228,781.50	\$ 8,471,367.01	\$ 8,720,978.10	\$ 8,977,818.60	\$ 9,242,098.27
Condos Subtotal	\$/yr	\$ 18,451.00	\$ 9,502.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General costs Subtotal	\$/yr	\$ 333,734.04	\$ 192,848.36	\$ 199,000.00	\$ 397,267.62	\$ 409,185.65	\$ 421,461.22	\$ 434,105.05	\$ 447,128.21	\$ 460,542.05	\$ 474,358.31	\$ 488,589.06	\$ 503,246.74	\$ 518,344.14	\$ 533,894.46
Contingency (0%)	\$/yr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 6,940,084.24	\$ 3,594,163.94	\$ 4,021,436.03	\$ 8,331,347.31	\$ 8,645,321.61	\$ 8,973,144.14	\$ 7,975,330.46	\$ 8,211,028.67	\$ 8,453,565.53	\$ 8,703,139.81	\$ 8,959,956.08	\$ 9,224,224.84	\$ 9,496,162.74	\$ 9,775,992.73
<b>Solid Waste Revenue</b>	<b>Units</b>	<b>Exist. Contr. Cost</b>	<b>2019 (Jan 1 - June 30)</b>	<b>2019 (July 1 - Dec. 31)</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Base Rate Paid City of Peoria	\$/HH/mo	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.50	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$ 7,385,130.48	\$ 3,909,774.96	\$ 3,909,774.96	\$ 8,253,969.36	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$ 103,931.10	\$ 55,429.92	\$ 55,429.92	\$ 117,788.58	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32
LF3 Payment (\$450,000)	\$	\$ 450,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Escalator Rebate (3%)	\$	\$ 96,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Education Grant (1st year)	\$/yr	\$ -	\$ -	\$ 59,673.00	\$ 40,876.01	\$ 42,000.10	\$ 43,155.10	\$ 44,341.86	\$ 45,561.26	\$ 46,814.20	\$ 48,101.59	\$ 49,424.38	\$ 50,783.55	\$ 52,180.10	\$ 53,615.05
<b>TOTAL</b>	\$/HH/mo	\$ 8,035,061.58	\$ 3,965,204.88	\$ 4,024,877.88	\$ 8,412,633.95	\$ 8,855,106.22	\$ 8,856,261.22	\$ 8,857,447.98	\$ 8,858,667.38	\$ 8,859,920.32	\$ 8,861,207.71	\$ 8,862,530.50	\$ 8,863,889.67	\$ 8,865,286.22	\$ 8,866,721.17
Surplus/(Deficit) per unit	\$/unit/mo	\$ 2.22	\$ 1.51	\$ 0.01	\$ 0.17	\$ 0.43	\$ (0.24)	\$ 1.79	\$ 1.31	\$ 0.82	\$ 0.32	\$ (0.20)	\$ (0.73)	\$ (1.28)	\$ (1.85)
Cash on Hand, end of year	\$/yr	\$ 1,094,977.34	\$ 371,040.94	\$ 3,441.85	\$ 81,286.63	\$ 209,784.61	\$ (116,882.92)	\$ 882,117.52	\$ 647,638.71	\$ 406,354.79	\$ 158,067.89	\$ (97,425.58)	\$ (360,335.16)	\$ (630,876.52)	\$ (909,271.56)
Cumulative Cash on Hand	\$	\$ 1,094,977.34	\$ 1,466,018.28	\$ 1,469,460.12	\$ 1,550,746.76	\$ 1,760,531.36	\$ 1,643,648.44	\$ 2,525,765.96	\$ 3,173,404.68	\$ 3,579,759.47	\$ 3,737,827.36	\$ 3,640,401.79	\$ 3,280,066.62	\$ 2,649,190.11	\$ 1,739,918.55
Payback to General Fund	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$40,000/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

Cost Breakdown		PDC SERVICES TIME PERIOD		Public and Private Operations, Landscape-Seasonal Weekly											
Solid Waste Costs		2018 Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Residential Waste Collection	\$/HH/mo.	\$9.00	\$9.27	\$6.35	\$6.52	\$6.70	\$6.89	\$7.08	\$7.27	\$7.47	\$7.68	\$7.89	\$8.11	\$8.33	\$8.56
Residential Trash Disposal	\$/HH/mo	\$4.70	\$4.84	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo	\$0.10	\$0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.	\$0.00	\$0.00	\$2.32	\$2.39	\$2.46	\$2.54	\$2.61	\$2.69	\$2.77	\$2.85	\$2.94	\$3.03	\$3.12	\$3.21
Recycling Cart Purchase (over 10 years)	\$/HH/mo	\$0.00	\$0.00	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Recycling GRANT	\$/HH/MO	\$0.00	\$0.00	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06
Recycling Cart Management	\$/HH/mo	\$0.00	\$0.00	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25	\$0.26	\$0.27
Landscape Waste Collection (EW)	\$/HH/mo.	\$0.00	\$0.00	\$2.42	\$2.49	\$2.57	\$2.64	\$2.72	\$2.81	\$2.89	\$2.98	\$3.07	\$3.16	\$3.25	\$3.35
Landscape Waste Disposal	\$/HH/mo	\$0.00	\$0.00	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27	\$0.28	\$0.29	\$0.30	\$0.31	\$0.32
<b>Residential SUBTOTAL</b>	\$/HH/mo	\$13.80	\$14.21	\$16.76	\$17.39	\$18.05	\$18.73	\$16.64	\$17.13	\$17.64	\$18.16	\$18.70	\$19.25	\$19.81	\$20.40
Stacked Condo Residential Collection	\$/HH/mo	\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Condos SUBTOTAL</b>	\$/HH/mo	\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Payback General Fund	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo	\$0.10	\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo	\$0.18	\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25
* Education Costs (60K)	\$/HH/mo	\$0.00	\$0.12	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17
Administration Cost (at 200K)	\$/HH/mo	\$0.42	\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56
<b>General Costs SUBTOTAL</b>	\$/UNIT/mo	\$0.70	\$0.81	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12
Residential Subtotal	\$/yr	\$ 6,587,899.20	\$ 3,391,813.32	\$ 4,001,455.03	\$ 8,302,858.83	\$ 8,615,978.47	\$ 8,942,920.71	\$ 7,944,200.33	\$ 8,178,964.63	\$ 8,420,539.57	\$ 8,669,123.08	\$ 8,924,918.84	\$ 9,188,136.48	\$ 9,458,991.73	\$ 9,737,706.60
Condos Subtotal	\$/yr	\$ 18,451.00	\$ 9,502.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General costs Subtotal	\$/yr	\$ 333,734.04	\$ 192,848.36	\$ 199,000.00	\$ 397,267.62	\$ 409,185.65	\$ 421,461.22	\$ 434,105.05	\$ 447,128.21	\$ 460,542.05	\$ 474,358.31	\$ 488,589.06	\$ 503,246.74	\$ 518,344.14	\$ 533,894.46
Contingency (0%)	\$/yr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 6,940,084.24	\$ 3,594,163.94	\$ 4,200,455.03	\$ 8,700,126.45	\$ 9,025,164.12	\$ 9,364,381.93	\$ 8,378,305.38	\$ 8,626,092.84	\$ 8,881,081.63	\$ 9,143,481.39	\$ 9,413,507.90	\$ 9,691,383.22	\$ 9,977,335.87	\$ 10,271,601.06
<b>Solid Waste Revenue</b>	Units	Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Base Rate Paid City of Peoria	\$/HH/mo	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.50	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$ 7,385,130.48	\$ 3,909,774.96	\$ 3,909,774.96	\$ 8,253,969.36	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$ 103,931.10	\$ 55,429.92	\$ 55,429.92	\$ 117,788.58	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32
LF3 Payment (\$450,000)	\$	\$ 450,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Escalator Rebate (3%)	\$	\$ 96,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Education Grant(1st year)	\$/yr	\$ -	\$ -	\$ 59,673.00	\$ 40,876.01	\$ 42,000.10	\$ 43,155.10	\$ 44,341.86	\$ 45,561.26	\$ 46,814.20	\$ 48,101.59	\$ 49,424.38	\$ 50,783.55	\$ 52,180.10	\$ 53,615.05
<b>TOTAL</b>	\$/HH/mo	\$ 8,035,061.58	\$ 3,965,204.88	\$ 4,024,877.88	\$ 8,412,633.95	\$ 8,855,106.22	\$ 8,856,261.22	\$ 8,857,447.98	\$ 8,858,667.38	\$ 8,859,920.32	\$ 8,861,207.71	\$ 8,862,530.50	\$ 8,863,889.67	\$ 8,865,286.22	\$ 8,866,721.17
Surplus/(Deficit) per unit	\$/unit/mo	\$ 2.22	\$ 1.51	\$ (0.36)	\$ (0.58)	\$ (0.35)	\$ (1.03)	\$ 0.97	\$ 0.47	\$ (0.04)	\$ (0.57)	\$ (1.12)	\$ (1.68)	\$ (2.26)	\$ (2.85)
Cash on Hand, end of year	\$/yr	\$ 1,094,977.34	\$ 371,040.94	\$ (175,577.15)	\$ (287,492.51)	\$ (170,057.91)	\$ (508,120.71)	\$ 479,142.60	\$ 232,574.54	\$ (21,161.31)	\$ (282,273.68)	\$ (550,977.40)	\$ (827,493.55)	\$ (1,112,049.65)	\$ (1,404,879.88)
Cumulative Cash on Hand	\$	\$ 1,094,977.34	\$ 1,466,018.28	\$ 1,290,441.12	\$ 1,002,948.62	\$ 832,890.71	\$ 324,770.00	\$ 803,912.60	\$ 1,036,487.14	\$ 1,015,325.83	\$ 733,052.15	\$ 182,074.75	\$ (645,418.80)	\$ (1,757,468.45)	\$ (3,162,348.33)
Payback to General Fund	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$40,000/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

Cost Breakdown		PDC SERVICES TIME PERIOD			COP PWD ALT X											
Solid Waste Costs		Units	2018 Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Residential Waste Collection	\$/HH/mo.		\$9.00	\$9.27	\$4.73	\$4.87	\$5.02	\$5.17	\$5.32	\$5.48	\$5.65	\$5.82	\$5.99	\$6.17	\$6.36	\$6.55
Residential Trash Disposal	\$/HH/mo		\$4.70	\$4.84	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo		\$0.60	\$0.60	\$0.60	\$0.60	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25
Recyclable Materials Collection/Processing	\$/HH/mo.		\$0.00	\$0.00	\$2.06	\$2.12	\$2.19	\$2.25	\$2.32	\$2.39	\$2.46	\$2.53	\$2.61	\$2.69	\$2.77	\$2.85
Recycling Cart Purchase (over 10 years)	\$/HH/mo		\$0.00	\$0.00	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Recycling GRANT	\$/HH/MO		\$0.00	\$0.00	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06
Recycling Cart Management	\$/HH/mo		\$0.00	\$0.00	\$0.19	\$0.20	\$0.21	\$0.22	\$0.23	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25	\$0.26	\$0.27
Landscape Waste Collection (EW)	\$/HH/mo.		\$0.00	\$0.00	\$2.11	\$2.17	\$2.24	\$2.31	\$2.37	\$2.45	\$2.52	\$2.60	\$2.67	\$2.75	\$2.84	\$2.92
Landscape Waste Disposal	\$/HH/mo		\$0.00	\$0.00	\$0.23	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27	\$0.27	\$0.28	\$0.29	\$0.30	\$0.31	\$0.32
<b>Residential SUBTOTAL</b>			\$14.30	\$14.71	\$15.17	\$15.75	\$15.95	\$16.59	\$14.45	\$14.90	\$15.35	\$15.82	\$16.31	\$16.81	\$17.32	\$17.85
Stacked Condo Residential Collection	\$/HH/mo		\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo		\$0.00	\$0.00	\$2.13	\$2.26	\$2.40	\$2.55	\$1.47	\$1.52	\$1.58	\$1.64	\$1.70	\$1.76	\$1.82	\$1.89
<b>Condos SUBTOTAL</b>			\$1.21	\$1.25	\$2.13	\$2.26	\$2.40	\$2.55	\$1.47	\$1.52	\$1.58	\$1.64	\$1.70	\$1.76	\$1.82	\$1.89
Payback General Fund	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo		\$0.10	\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo		\$0.18	\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25
* Education Costs (60K)	\$/HH/mo		\$0.00	\$0.12	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17
Administration Cost (at 200K)	\$/HH/mo		\$0.41	\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56
<b>General Costs SUBTOTAL</b>			\$0.69	\$0.81	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12
Residential Subtotal	\$/yr	\$	6,826,591.20	3,511,159.32	3,621,934.75	7,520,032.62	7,615,431.03	7,920,357.87	6,899,181.65	7,111,042.52	7,329,259.22	7,554,022.41	7,785,528.51	8,023,979.79	8,269,584.60	8,522,557.56
Condos Subtotal	\$/yr	\$	18,451.00	9,502.27	16,228.41	34,461.75	36,588.41	38,844.15	22,396.52	23,220.24	24,068.68	24,942.56	25,842.67	26,769.78	27,724.70	28,708.26
General costs Subtotal	\$/yr	\$	327,551.48	192,848.36	199,000.00	397,267.62	409,185.65	421,461.22	434,105.05	447,128.21	460,542.05	474,358.31	488,589.06	503,246.74	518,344.14	533,894.46
Contingency (0%)	\$/yr	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>			\$ 7,172,593.68	\$ 3,713,509.94	\$ 3,837,163.17	\$ 7,951,761.99	\$ 8,061,205.10	\$ 8,380,663.23	\$ 7,355,683.22	\$ 7,581,390.97	\$ 7,813,869.95	\$ 8,053,323.29	\$ 8,299,960.24	\$ 8,553,996.30	\$ 8,815,653.43	\$ 9,085,160.29
<b>Solid Waste Revenue</b>																
Base Rate Paid City of Peoria	\$/HH/mo	\$	17.00	18.00	18.00	19.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$	7.50	8.00	8.00	8.50	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$	7,385,130.48	3,909,774.96	3,909,774.96	8,253,969.36	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$	103,931.10	55,429.92	55,429.92	117,788.58	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32
LF3 Payment (\$450,000)	\$	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Escalator Rebate (3%)	\$	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education Grant (1st year)	\$/yr	\$	-	-	39,782.00	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>			\$ 7,489,061.58	\$ 3,965,204.88	\$ 4,004,986.88	\$ 8,371,757.94	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12
Surplus/(Deficit) per unit	\$/unit/mo	\$	0.64	1.02	0.34	0.85	1.53	0.88	2.96	2.50	2.03	1.54	1.04	0.53	(0.01)	(0.55)
Cash on Hand, end of year	\$/yr	\$	316,467.90	251,694.94	167,823.71	419,995.95	751,901.02	432,442.89	1,457,422.90	1,231,715.15	999,236.17	759,782.83	513,145.88	259,109.82	(2,547.31)	(272,054.17)
Cumulative Cash on Hand	\$	\$	316,467.90	568,162.83	735,986.55	1,155,982.50	1,907,883.52	2,340,326.41	3,797,749.31	5,029,464.46	6,028,700.63	6,788,483.46	7,301,629.34	7,560,739.17	7,558,191.85	7,286,137.68
Payback to General Fund	\$	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$40,000/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

Cost Breakdown		Existing Contract		PDC ALT 1 Rev 1												
Solid Waste Costs		Units	2018 Exist. Contr. Cost	2018 (July 1 - Dec. 31)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Residential Waste Collection	\$/HH/mo.		\$9.00	\$6.35	\$6.52	\$6.70	\$6.89	\$7.08	\$7.27	\$7.47	\$7.68	\$7.89	\$8.11	\$8.33	\$8.56	\$8.79
Residential Trash Disposal	\$/HH/mo		\$4.70	\$4.70	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo		\$0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.		\$0.00	\$1.78	\$1.83	\$1.88	\$1.93	\$1.98	\$2.04	\$2.09	\$2.15	\$2.21	\$2.27	\$2.33	\$2.40	\$2.46
Recycling Cart Purchase (over 10 years)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling GRANT	\$/HH/MO		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Cart Management	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Landscape Waste Collection (EW)	\$/HH/mo.		\$0.00	\$3.10	\$3.19	\$3.27	\$3.36	\$3.46	\$3.55	\$3.65	\$3.75	\$3.85	\$3.96	\$4.07	\$4.18	\$4.29
Landscape Waste Disposal	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Residential SUBTOTAL</b>	\$/HH/mo		\$13.80	\$15.93	\$16.38	\$16.99	\$17.63	\$18.31	\$16.20	\$16.68	\$17.16	\$17.67	\$18.19	\$18.72	\$19.27	\$19.83
Stacked Condo Residential Collection	\$/HH/mo		\$1.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.89
<b>Condos SUBTOTAL</b>	\$/HH/mo		\$1.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.89
Payback General Fund	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo		\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo		\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25
* Education Costs (60K)	\$/HH/mo		\$0.00	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17	\$0.17	\$0.17
Administration Cost (at 200K)	\$/HH/mo		\$0.41	\$0.42	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56	\$0.58
<b>General Costs SUBTOTAL</b>	\$/UNIT/mo		\$0.69	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12	\$1.15
Residential Subtotal	\$/yr	\$	3,293,949.60	3,802,363.56	7,817,221.02	8,111,321.04	8,418,246.17	8,738,633.08	7,732,980.92	7,960,420.76	8,194,261.68	8,434,684.10	8,681,873.55	8,936,020.78	9,197,321.92	9,465,978.67
Condos Subtotal	\$/yr	\$	9,225.50	-	-	-	-	-	-	-	-	-	-	-	-	28,708.26
General costs Subtotal	\$/yr	\$	163,775.74	192,848.36	409,940.00	409,185.65	421,461.22	434,105.05	447,128.21	460,542.05	474,358.31	488,589.06	503,246.74	518,344.14	533,894.46	549,911.30
Contingency (0%)	\$/yr	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	\$/HH/mo	\$	3,466,950.84	3,995,211.92	8,227,161.02	8,520,506.69	8,839,707.39	9,172,738.14	8,180,109.13	8,420,962.81	8,668,619.99	8,923,273.17	9,185,120.29	9,454,364.92	9,731,216.39	10,044,598.23
<b>Solid Waste Revenue</b>		Units	2018 Exist. Contr. Cost	2018 (July 1 - Dec. 31)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Base Rate Paid City of Peoria	\$/HH/mo	\$	17.00	17.00	18.00	19.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$	7.50	7.50	8.00	8.50	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$	3,692,565.24	3,692,565.24	7,819,549.92	8,253,969.36	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80	8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$	51,965.55	51,965.55	110,859.84	117,788.58	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32	124,717.32
LF3 Payment (\$450,000)	\$	\$	450,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Escalator Rebate (3%)	\$	\$	96,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Education Payment	\$/yr	\$	-	19,891.00	40,876.01	42,000.10	43,155.10	44,341.86	45,561.26	46,814.20	48,101.59	49,424.38	50,783.55	52,180.10	53,615.05	55,089.47
<b>TOTAL</b>	\$/HH/mo	\$	4,290,530.79	3,764,421.79	7,971,285.77	8,413,758.04	8,856,261.22	8,857,447.98	8,858,667.38	8,859,920.32	8,861,207.71	8,862,530.50	8,863,889.67	8,865,286.22	8,866,721.17	8,868,195.59
Surplus/(Deficit) per unit	\$/unit/mo	\$	1.67	(0.47)	(0.52)	(0.22)	0.03	(0.64)	1.38	0.89	0.39	(0.12)	(0.65)	(1.30)	(1.86)	(2.50)
Cash on Hand, end of year	\$/yr	\$	823,579.95	(230,790.13)	(255,875.25)	(106,748.65)	16,553.83	(315,290.15)	678,558.26	438,957.51	192,587.72	(60,742.66)	(321,230.61)	(641,258.80)	(918,110.27)	(1,231,492.11)
Cumulative Cash on Hand	\$	\$	823,579.95	592,789.82	336,914.56	230,165.91	246,719.74	(68,570.41)	609,987.84	1,048,945.35	1,241,533.07	1,180,790.41	859,559.80	218,301.00	(699,809.27)	(1,931,301.38)
Payback to General Fund	\$	\$	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City/Admin items  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$39835/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

Cost Breakdown		Existing Contract		PDC ALT 1 Rev 2												
Solid Waste Costs		Units	2018 Exist. Contr. Cost	2018 (April 1 - Dec. 31)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Residential Waste Collection	\$/HH/mo.		\$9.00	\$6.21	\$6.38	\$6.56	\$6.74	\$6.92	\$7.11	\$7.31	\$7.51	\$7.72	\$7.93	\$8.15	\$8.37	\$8.60
Residential Trash Disposal	\$/HH/mo		\$4.70	\$4.70	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo		\$0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.		\$0.00	\$1.78	\$1.83	\$1.88	\$1.93	\$1.98	\$2.04	\$2.09	\$2.15	\$2.21	\$2.27	\$2.33	\$2.40	\$2.46
Recycling Cart Purchase (over 10 years)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling GRANT	\$/HH/MO		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Cart Management	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Landscape Waste Collection (EW)	\$/HH/mo.		\$0.00	\$3.10	\$3.19	\$3.27	\$3.36	\$3.46	\$3.55	\$3.65	\$3.75	\$3.85	\$3.96	\$4.07	\$4.18	\$4.29
Landscape Waste Disposal	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Residential SUBTOTAL</b>	\$/HH/mo		\$13.80	\$15.79	\$16.23	\$16.84	\$17.48	\$18.15	\$16.04	\$16.51	\$17.00	\$17.49	\$18.01	\$18.54	\$19.08	\$19.63
Stacked Condo Residential Collection	\$/HH/mo		\$1.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.89
<b>Condos SUBTOTAL</b>	\$/HH/mo		\$1.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.89
Payback General Fund	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo		\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo		\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25
* Education Costs (60K)	\$/HH/mo		\$0.00	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17	\$0.17	\$0.17
Administration Cost (at 200K)	\$/HH/mo		\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56	\$0.58
<b>General Costs SUBTOTAL</b>	\$/UNIT/mo		\$0.69	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12	\$1.15
Residential Subtotal	\$/yr	\$	1,646,974.80	\$ 5,653,420.02	\$ 7,748,549.33	\$ 8,040,760.88	\$ 8,345,745.60	\$ 8,664,138.75	\$ 7,656,438.00	\$ 7,881,772.90	\$ 8,113,451.01	\$ 8,351,651.14	\$ 8,596,557.18	\$ 8,848,358.21	\$ 9,107,248.63	\$ 9,373,428.36
Condos Subtotal	\$/yr	\$	4,612.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,708.26
General costs Subtotal	\$/yr	\$	81,887.87	\$ 289,272.54	\$ 409,940.00	\$ 409,185.65	\$ 421,461.22	\$ 434,105.05	\$ 447,128.21	\$ 460,542.05	\$ 474,358.31	\$ 488,589.06	\$ 503,246.74	\$ 518,344.14	\$ 533,894.46	\$ 549,911.30
Contingency (0%)	\$/yr	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$	1,733,475.42	\$ 5,942,692.56	\$ 8,158,489.33	\$ 8,449,946.53	\$ 8,767,206.82	\$ 9,098,243.81	\$ 8,103,566.20	\$ 8,342,314.96	\$ 8,587,809.32	\$ 8,840,240.20	\$ 9,099,803.92	\$ 9,366,702.35	\$ 9,641,143.10	\$ 9,952,047.92
<b>Solid Waste Revenue</b>		Units	2018 Exist. Contr. Cost	2018 (April 1 - Dec. 31)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Base Rate Paid City of Peoria	\$/HH/mo	\$	17.00	\$ 17.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$	7.50	\$ 7.50	\$ 8.50	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$	1,846,282.62	\$ 5,538,847.86	\$ 7,819,549.92	\$ 8,253,969.36	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$	25,982.78	\$ 77,948.33	\$ 117,788.58	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32
LF3 Payment (\$450,000)	\$	\$	450,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Escalator Rebate (3%)	\$	\$	48,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Education Payment	\$/yr	\$	-	\$ 37,500.00	\$ 77,062.50	\$ 79,181.72	\$ 81,359.22	\$ 83,596.59	\$ 85,895.50	\$ 88,257.63	\$ 90,684.71	\$ 93,178.54	\$ 95,740.95	\$ 98,373.83	\$ 101,079.11	\$ 103,858.78
<b>TOTAL</b>	\$/HH/mo	\$	2,370,265.40	\$ 5,654,296.19	\$ 8,014,401.00	\$ 8,457,868.40	\$ 8,894,465.34	\$ 8,896,702.71	\$ 8,899,001.62	\$ 8,901,363.75	\$ 8,903,790.83	\$ 8,906,284.66	\$ 8,908,847.07	\$ 8,911,479.95	\$ 8,914,185.23	\$ 8,916,964.90
Surplus/(Deficit) per unit	\$/unit/mo	\$	1.29	\$ (0.59)	\$ (0.29)	\$ 0.02	\$ 0.26	\$ (0.41)	\$ 1.61	\$ 1.13	\$ 0.64	\$ 0.13	\$ (0.39)	\$ (1.12)	\$ (1.68)	\$ (2.31)
Cash on Hand, end of year	\$/yr	\$	636,789.97	\$ (288,396.37)	\$ (144,088.33)	\$ 7,921.87	\$ 127,258.51	\$ (201,541.09)	\$ 795,435.42	\$ 559,048.79	\$ 315,981.51	\$ 66,044.46	\$ (190,956.84)	\$ (553,596.23)	\$ (828,036.98)	\$ (1,138,941.80)
Cumulative Cash on Hand	\$	\$	636,789.97	\$ 348,393.60	\$ 204,305.27	\$ 212,227.14	\$ 339,485.65	\$ 137,944.56	\$ 933,379.98	\$ 1,492,428.77	\$ 1,808,410.28	\$ 1,874,454.74	\$ 1,683,497.89	\$ 1,129,901.67	\$ 301,864.69	\$ (837,077.11)
Payback to General Fund	\$	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City/Admin items  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$39835/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

Cost Breakdown		PDC SERVICES TIME PERIOD			Advanced Disposal										
Solid Waste Costs		2018 Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Units															
Residential Waste Collection	\$/HH/mo.	\$9.00	\$9.27	\$9.52	\$9.81	\$10.10	\$10.40	\$10.71	\$11.04	\$11.37	\$11.71	\$12.06	\$12.42	\$12.79	\$13.18
Residential Trash Disposal	\$/HH/mo	\$4.70	\$4.84	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo	\$0.60	\$0.60	\$0.60	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.	\$0.00	\$0.00	\$2.45	\$2.52	\$2.60	\$2.68	\$2.76	\$2.84	\$2.93	\$3.01	\$3.10	\$3.20	\$3.29	\$3.39
Recycling Cart Purchase (over 10 years)	\$/HH/mo	\$0.00	\$0.00	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Recycling GRANT	\$/HH/MO	\$0.00	\$0.00	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06
Recycling Cart Management	\$/HH/mo	\$0.00	\$0.00	\$0.19	\$0.20	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25	\$0.26	\$0.27	\$0.27
Landscape Waste Collection (EW)	\$/HH/mo.	\$0.00	\$0.00	\$2.75	\$2.83	\$2.92	\$3.00	\$3.10	\$3.19	\$3.28	\$3.38	\$3.48	\$3.59	\$3.70	\$3.81
Landscape Waste Disposal	\$/HH/mo	\$0.00	\$0.00	\$0.23	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27	\$0.28	\$0.29	\$0.30	\$0.31	\$0.32	\$0.32
<b>Residential SUBTOTAL</b>		\$14.30	\$14.71	\$20.99	\$21.75	\$21.93	\$22.75	\$20.80	\$21.43	\$22.08	\$22.76	\$23.45	\$24.16	\$24.90	\$25.65
Stacked Condo Residential Collection	\$/HH/mo	\$1.21	\$1.25	\$4.58	\$4.71	\$4.86	\$5.00	\$5.15	\$5.31	\$5.47	\$5.63	\$5.80	\$5.97	\$6.15	\$6.34
Stacked Condo Recycling Collection/Processing	\$/HH/mo	\$0.00	\$0.00	\$1.64	\$1.69	\$1.74	\$1.79	\$1.84	\$1.90	\$1.96	\$2.02	\$2.08	\$2.14	\$2.20	\$2.27
Stacked Condo Disposal (PCCL2)	\$/HH/mo	\$0.00	\$0.00	\$2.13	\$2.26	\$2.40	\$2.55	\$1.47	\$1.52	\$1.58	\$1.64	\$1.70	\$1.76	\$1.82	\$1.89
<b>Condos SUBTOTAL</b>		\$1.21	\$1.25	\$8.35	\$8.67	\$9.00	\$9.34	\$8.47	\$8.73	\$9.00	\$9.28	\$9.57	\$9.87	\$10.18	\$10.49
Payback General Fund	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo	\$0.10	\$0.10	\$0.18	\$0.19	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.22	\$0.23	\$0.24	\$0.24	\$0.25
Downtown/Riverfront Collection & Disposal	\$/HH/mo	\$0.18	\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25
* Education Costs (60K)	\$/HH/mo	\$0.00	\$0.12	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17	\$0.17
Administration Cost (at 200K)	\$/HH/mo	\$0.41	\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56
<b>General Costs SUBTOTAL</b>		\$0.69	\$0.81	\$0.89	\$0.92	\$0.94	\$0.97	\$1.00	\$1.03	\$1.06	\$1.09	\$1.13	\$1.16	\$1.19	\$1.23
<b>Residential Subtotal</b>	\$/yr	\$ 6,826,591.20	\$ 3,511,159.32	\$ 5,011,122.19	\$ 10,381,758.74	\$ 10,470,008.95	\$ 10,860,573.12	\$ 9,927,603.35	\$ 10,230,316.87	\$ 10,542,111.80	\$ 10,863,260.58	\$ 11,194,043.82	\$ 11,534,750.55	\$ 11,885,678.49	\$ 12,247,134.27
<b>Condos Subtotal</b>	\$/yr	\$ 18,451.00	\$ 9,502.27	\$ 63,561.41	\$ 131,967.73	\$ 137,019.57	\$ 142,288.24	\$ 128,943.94	\$ 132,964.08	\$ 137,104.83	\$ 141,369.80	\$ 145,762.73	\$ 150,287.43	\$ 154,947.88	\$ 159,748.15
<b>General costs Subtotal</b>	\$/yr	\$ 327,551.48	\$ 192,848.36	\$ 218,864.00	\$ 436,922.51	\$ 450,030.19	\$ 463,531.10	\$ 477,437.03	\$ 491,760.14	\$ 506,512.94	\$ 521,708.33	\$ 537,359.58	\$ 553,480.37	\$ 570,084.78	\$ 587,187.32
Contingency (0%)	\$/yr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 7,172,593.68	\$ 3,713,509.94	\$ 5,293,547.61	\$ 10,950,648.99	\$ 11,057,058.71	\$ 11,466,392.45	\$ 10,533,984.32	\$ 10,855,041.10	\$ 11,185,729.58	\$ 11,526,338.71	\$ 11,877,166.12	\$ 12,238,518.36	\$ 12,610,711.16	\$ 12,994,069.74
<b>Solid Waste Revenue</b>															
Base Rate Paid City of Peoria	\$/HH/mo	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.50	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$ 7,385,130.48	\$ 3,909,774.96	\$ 3,909,774.96	\$ 8,253,969.36	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$ 103,931.10	\$ 55,429.92	\$ 55,429.92	\$ 117,788.58	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32
LF3 Payment (\$450,000)	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Escalator Rebate (3%)	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Education Grant(1st year)	\$/yr	\$ -	\$ -	\$ 39,782.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 7,489,061.58	\$ 3,965,204.88	\$ 4,004,986.88	\$ 8,371,757.94	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12
Surplus/(Deficit) per unit	\$/unit/mo	\$ 0.64	\$ 1.02	\$ (2.62)	\$ (5.24)	\$ (4.56)	\$ (5.39)	\$ (3.49)	\$ (4.15)	\$ (4.82)	\$ (5.51)	\$ (6.22)	\$ (6.95)	\$ (7.71)	\$ (8.49)
Cash on Hand, end of year	\$/yr	\$ 316,467.90	\$ 251,694.94	\$ (1,288,560.73)	\$ (2,578,891.05)	\$ (2,243,952.59)	\$ (2,653,286.33)	\$ (1,720,878.20)	\$ (2,041,934.98)	\$ (2,372,623.46)	\$ (2,713,232.59)	\$ (3,064,060.00)	\$ (3,425,412.24)	\$ (3,797,605.04)	\$ (4,180,963.62)
Cumulative Cash on Hand	\$	\$ 316,467.90	\$ 568,162.83	\$ (720,397.89)	\$ (3,299,288.94)	\$ (5,543,241.53)	\$ (8,196,527.86)	\$ (9,917,406.06)	\$ (11,959,341.04)	\$ (14,331,964.49)	\$ (17,045,197.09)	\$ (20,109,257.09)	\$ (23,534,669.33)	\$ (27,332,274.37)	\$ (31,513,237.99)
Payback to General Fund	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$40,000/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.



Cost Breakdown		PDC SERVICES TIME PERIOD		Waste Management Inc.											
Solid Waste Costs		2018 Exist. Contr. Cost	2019 (Jan 1 - June 30)	2019 (July 1 - Dec. 31)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Units															
Residential Waste Collection	\$/HH/mo.	\$9.00	\$9.27	\$20.18	\$20.79	\$21.41	\$22.05	\$22.71	\$23.39	\$24.10	\$24.82	\$25.56	\$26.33	\$27.12	\$27.93
Residential Trash Disposal	\$/HH/mo	\$4.70	\$4.84	\$4.84	\$5.14	\$5.45	\$5.79	\$3.34	\$3.46	\$3.59	\$3.72	\$3.85	\$3.99	\$4.13	\$4.28
Trash Cart Purchase/Maint.	\$/HH/mo	\$0.60	\$0.60	\$0.60	\$0.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recyclable Materials Collection/Processing	\$/HH/mo.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Recycling Cart Purchase (over 10 years)	\$/HH/mo	\$0.00	\$0.00	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Recycling GRANT	\$/HH/MO	\$0.00	\$0.00	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06	-\$0.06
Recycling Cart Management	\$/HH/mo	\$0.00	\$0.00	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25	\$0.26	\$0.27
Landscape Waste Collection (EW)	\$/HH/mo.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Landscape Waste Disposal	\$/HH/mo	\$0.00	\$0.00	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26	\$0.27	\$0.27	\$0.28	\$0.29	\$0.30	\$0.31	\$0.32
<b>Residential SUBTOTAL</b>		\$14.30	\$14.71	\$26.45	\$27.37	\$27.72	\$28.72	\$26.94	\$27.76	\$28.60	\$29.47	\$30.37	\$31.29	\$32.24	\$33.21
Stacked Condo Residential Collection	\$/HH/mo	\$1.21	\$1.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Recycling Collection/Processing	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Stacked Condo Disposal (PCCL2)	\$/HH/mo	\$0.00	\$0.00	\$2.13	\$2.26	\$2.40	\$2.55	\$1.47	\$1.52	\$1.58	\$1.64	\$1.70	\$1.76	\$1.82	\$1.89
<b>Condos SUBTOTAL</b>		\$1.21	\$1.25	\$2.13	\$2.26	\$2.40	\$2.55	\$1.47	\$1.52	\$1.58	\$1.64	\$1.70	\$1.76	\$1.82	\$1.89
Payback General Fund	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
* Illegal Dumping (100K)	\$/HH/mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Disposal and Collection	\$/HH/mo	\$0.10	\$0.10	\$0.10	\$0.10	\$0.11	\$0.11	\$0.11	\$0.12	\$0.12	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14
Downtown/Riverfront Collection & Disposal	\$/HH/mo	\$0.18	\$0.18	\$0.18	\$0.18	\$0.19	\$0.20	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25
* Education Costs (60K)	\$/HH/mo	\$0.00	\$0.12	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.15	\$0.16	\$0.16	\$0.17
Administration Cost (at 200K)	\$/HH/mo	\$0.41	\$0.41	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$0.51	\$0.53	\$0.55	\$0.56
<b>General Costs SUBTOTAL</b>	\$/UNIT/mo	\$0.69	\$0.81	\$0.81	\$0.83	\$0.86	\$0.88	\$0.91	\$0.94	\$0.96	\$0.99	\$1.02	\$1.05	\$1.09	\$1.12
Residential Subtotal	\$/yr	\$ 6,826,591.20	\$ 3,511,159.32	\$ 6,314,380.51	\$ 13,066,470.88	\$ 13,235,262.45	\$ 13,708,784.23	\$ 12,861,260.79	\$ 13,251,984.04	\$ 13,654,428.98	\$ 14,068,947.27	\$ 14,495,901.11	\$ 14,935,663.57	\$ 15,388,618.90	\$ 15,855,162.89
Condos Subtotal	\$/yr	\$ 18,451.00	\$ 9,502.27	\$ 16,228.41	\$ 34,461.75	\$ 36,588.41	\$ 38,844.15	\$ 22,396.52	\$ 23,220.24	\$ 24,068.68	\$ 24,942.56	\$ 25,842.67	\$ 26,769.78	\$ 27,724.70	\$ 28,708.26
General costs Subtotal	\$/yr	\$ 327,551.48	\$ 192,848.36	\$ 199,000.00	\$ 397,267.62	\$ 409,185.65	\$ 421,461.22	\$ 434,105.05	\$ 447,128.21	\$ 460,542.05	\$ 474,358.31	\$ 488,589.06	\$ 503,246.74	\$ 518,344.14	\$ 533,894.46
Contingency (0%)	\$/yr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 7,172,593.68	\$ 3,713,509.94	\$ 6,529,608.93	\$ 13,498,200.25	\$ 13,681,036.51	\$ 14,169,089.59	\$ 13,317,762.37	\$ 13,722,332.49	\$ 14,139,039.71	\$ 14,568,248.15	\$ 15,010,332.85	\$ 15,465,680.08	\$ 15,934,687.73	\$ 16,417,765.61
<b>Solid Waste Revenue</b>															
Base Rate Paid City of Peoria	\$/HH/mo	\$ 17.00	\$ 18.00	\$ 18.00	\$ 19.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Condo Rate Paid to City of Peoria	\$/HH/mo	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.50	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
Base Rate Paid City of Peoria (91% collection)	\$/yr	\$ 7,385,130.48	\$ 3,909,774.96	\$ 3,909,774.96	\$ 8,253,969.36	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80	\$ 8,688,388.80
Condo Rate Paid to City of Peoria (91% collectic	\$/yr	\$ 103,931.10	\$ 55,429.92	\$ 55,429.92	\$ 117,788.58	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32	\$ 124,717.32
LF3 Payment (\$450,000)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Escalator Rebate (3%)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Education Grant (1st year)	\$/yr	\$ -	\$ -	\$ 39,782.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	\$/HH/mo	\$ 7,489,061.58	\$ 3,965,204.88	\$ 4,004,986.88	\$ 8,371,757.94	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12	\$ 8,813,106.12
Surplus/(Deficit) per unit	\$/unit/mo	\$ 0.64	\$ 1.02	\$ (5.12)	\$ (10.41)	\$ (9.88)	\$ (10.87)	\$ (9.14)	\$ (9.97)	\$ (10.81)	\$ (11.68)	\$ (12.58)	\$ (13.50)	\$ (14.46)	\$ (15.44)
Cash on Hand, end of year	\$/yr	\$ 316,467.90	\$ 251,694.94	\$ (2,524,622.05)	\$ (5,126,442.31)	\$ (4,867,930.39)	\$ (5,355,983.47)	\$ (4,504,656.25)	\$ (4,909,226.37)	\$ (5,325,933.59)	\$ (5,755,142.03)	\$ (6,197,226.73)	\$ (6,652,573.96)	\$ (7,121,581.61)	\$ (7,604,659.49)
Cumulative Cash on Hand		\$ 316,467.90	\$ 568,162.83	\$ (1,956,459.21)	\$ (7,082,901.53)	\$ (11,950,831.92)	\$ (17,306,815.39)	\$ (21,811,471.64)	\$ (26,720,698.00)	\$ (32,046,631.59)	\$ (37,801,773.63)	\$ (43,999,000.35)	\$ (50,651,574.31)	\$ (57,773,155.92)	\$ (65,377,815.42)
Payback to General Fund	\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

\* Indicates costs paid currently out of general fund  
 Where costs increase year over year, it assumes 2.75% increase for PDC items and 3% for City  
 Based on 2018 Dollars  
 Landscape waste disposal based on preliminary quote and historical tonnage  
 Payback General Fund, Solid Waste owes approx. \$4.6 Mil back to General fund  
 Cumulative Cash on Hand relative to this projection only  
 Administration Cost include County Billing Service and City Contract management  
 Recycling Cart Purchase and management fees based on Alt 1 from COP-PWD  
 Include Trash Cart Maintenance fee, Does not take into account purchase of new trash carts at end of current life (approx. 2025-27).  
 Does not provide a breakdown of estimated revenue and costs for Procurement Partners  
 For this projection, PDC incentives include early payment of \$450,000, Forego existing contract 3% escalator (est. \$96,000), and City manages education with \$40,000/yr payment  
 Recycling Grant calculated as \$1/ household, requires every other week, city-wide recycling.

**ATTACHMENT 3 – FEBRUARY 10, 2018 POLICY SESSION FOLLOW-UP  
RESPONSES**







## Memorandum

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Foth Infrastructure & Environment, LLC  
2314 West Altorfer Drive  
Peoria, IL 61615  
(309) 691-5300 • Fax: (309) 691-1892  
www.foth.com

March 20, 2018

TO: Peoria City Council Members

CC: Patrick Nichting, Jim Scroggins; City of Peoria  
Dave Meyers, Peoria Public Schools  
Scott Sorrel, Peoria County

FR: Patrick Urich; City of Peoria  
Joshua Gabehart, P.E.; Foth Infrastructure & Environment, LLC

RE: February 10, 2018 Policy Session Follow-up

### **Introduction**

On February 10, 2018, the Peoria City Council held a policy session regarding solid waste services. During that meeting, a summary of the current request for proposals that were currently being evaluated by City staff and a selection committee was provided. Several questions and concerns were presented by City Council members to City staff. Those items are presented below with details in response to Council Members.

### **Direct Billing by Contractor**

Billing to property owners is currently contracted to Peoria County for a sum of \$150,000 per year. For reference, there are approximately 41,100 residential units and stacked condo units included in the current solid waste collection contract and this billing equates to approximately \$0.30 per unit. Based on past RFPs in the Midwest and discussions with vendors, direct billing by contractors could be in the \$2 to \$4 range depending on many billing system variables. The contractor would likely be assuming a larger amount of financial risk such as carrying a share of the costs of unpaid accounts. These higher risks, staffing and other costs lead to higher administrative costs per household as compared to the current system. The current methodology is cost effective and has a very low percentage of unpaid accounts.

### **Vacant Homes and Suspended Services**

Many communities perform billing for solid waste and recycling services of vacant homes in many different ways. Regardless of whether or not solid waste is collected from

a home, base costs in system infrastructure and contract administration are required. A potential solution may be to provide a credit to property owner for estimated disposal costs if a property owner can provide proof that the home has been vacant for a certain amount of time (e.g. 12 weeks) or some other approved process developed by City staff. With the new contract changes in place where the City is paying disposal fees directly, this is a potential option. However, any type of credit to a property owner for estimated disposal costs will raise the costs assumed by other property owners in the system.

## **Landfill Impacts due to Recycling**

The current average tonnage of recyclable materials is approximately 2,200 tons and is collected from residents electing to participate in the recycling program. The current recycling program is a monthly “subscription” system with residents required to pay a \$50 cart deposit fee.

Based on industry references and discussions with vendors, a conservative estimate when going to city-wide without subscription or deposit requirements, every other week recycling is 4,000 tons total. This is approximately an additional 1,800 tons of recyclables during the implementation phase of a new recycling program. As a comparison, a mature recycling program with emphasis on continued and enhanced education could see total recyclables in the 8,000 tons per year range.

The additional 1,800 tons in the first few years of a new recycling program will be relatively insignificant in delaying the expected closure date of the landfill. This is based on an estimated disposal tonnage at Peoria City County Landfill No. 2 (PCCL2) of 200,000 tons per year.

Increased recycling will reduce the estimated disposal costs the City is required to pay. Based on an additional 1,800 tons diverted from PCCL2 during 2019 to 2022, the average disposal cost reduction is estimated to be \$126,500 per year. From 2023 to 2029, the average disposal cost reduction when disposing at Peoria City County Landfill 3 (PCCL3) is estimated to be \$88,900 per year. The City and County receive a host fee of for every ton disposed at PPCL2 and PCCL3. A reduction in the tonnage disposed at PCCL2 and PCCL3 will also reduce the host fee the City and County receive. The average reduction in host fees received from 2019 to 2029 is estimated to be \$5,400 per year.

Diversion of waste from PCCL2 and PCCL3 will extend the expected closure dates of the landfills. PCCL2 could expect a slight extension of a month to two depending on many variables. The disposal cost savings for diversion are significant and should be noted on how a more robust recycling program can reduce overall solid waste management costs.

## **Glass Impacts on Recycling Programs**

Some communities are considering removing glass from the single stream recycling programs they offer. There are advantages and disadvantages to removing glass from the Peoria program. Some advantages in removal include:

- ◆ May clean up other commodities as marketed, but this is highly dependent on existing processing equipment
- ◆ May reduce Material Recovery Facility processing costs and that could be passed onto Peoria
- ◆ Would likely increase the net average revenues from the sale of processed recyclables because of the low market value of glass compared to other single-stream commodities

Some disadvantages include:

- ◆ Glass is readily recyclable, so including glass is the “right thing to do” from an environmental/resource management conservation perspective
- ◆ Glass is relatively heavy when compared to other single stream commodities so it helps significantly in attaining recycling rate goals
- ◆ It is already included in Peoria’s program so a change to existing habits would be difficult to manage.
- ◆ The collection of glass has already been factored into recycling costs.

It is recommended that the City maintain glass as part of the single stream recycling program available to residents.

## **Feasibility of Landscape Waste Creating Revenue**

The overall economics of landscape waste recovery through composting is challenged by the costs of composting and the relatively low value of the final compost product. Also, landscape waste collected as part of the city contract is contractually obligated to be disposed of at the Peoria City County Landscape Waste Facility in approximately 2022 when PCCL3 begins operations. With the general challenge of composting system economics and relatively short time frame, creating a significant revenue stream from Landscape Waste does not appear to be feasible at this time.

## **Bulky Services**

Bulky waste collection services currently provided to the residents of Peoria are considered a valuable asset to the community. Including these services as part of the base collection system helps to promote a clean city for the residents and visitors. The RFP included stronger contract management language and more enforceable definitions that will assist City Staff in contract administration to further improve Bulky Waste collection operations.

If residents were to see a reduction in bulky waste collection services, whether by limitation of items, or limitation in pickup days, an increase in illegal dumping would likely occur. Bulky waste collection is a high standard of service residents have come to expect and use on a regular basis. It is expected that illegal dumping would not only increase within the City limits but also throughout the County. Cleanup of illegal dumping has significant costs and divert public works staff and funds away from other needed public works priorities. The new contract for services will emphasize improved

reporting regarding Bulky items to improve management of Bulky items and assist in future contract decisions.

## **Market Trends of Recyclables**

Recyclable materials are valuable commodities, many with overseas end use markets. Local and regional prices are affected by many factors including, material quality as collected from residents, processing equipment and operations at the materials recovery facility (MRF), and end use demand determined by domestic consumption and global “exports”.

Regional and national commodity historical market price trends are presented in Attachment 1 to this memo. The overall recent trend for market prices of recyclables in the region and nationally is downward. However, the longer term national trend is upward and we appear to be in a low point. Like all commodities, recyclables exhibit highly volatile price swings due to many factors, including the overall U.S. economy. The recycling market is currently depressed due to global market conditions.

## **Recycling and Waste Receptacles in Public Spaces in Residential Neighborhoods and Downtown**

Including residential waste and recycling receptacles in public spaces as part of the collection contract meets many goals of the community. This additional service will be negotiated with the selected vendor to be included with the collections as part of normal routes.

## **Attachments**

Attachment 3A – National and Regional Market Trends

**ATTACHMENT 3A – NATIONAL AND REGIONAL MARKET TRENDS**





## Memorandum

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www.foth.com

March 6, 2018

TO: Josh Gabehart, Foth Infrastructure & Environment, LLC

CC: Jill Morris, Foth Infrastructure & Environment, LLC

FR: Dan Krivit, Foth Infrastructure & Environment, LLC

RE: History of Residential Recyclables Prices

### **Executive Summary**

Recyclable materials are valuable commodities, many with overseas end use markets. Local and regional prices are affected by many factors including, material quality as collected from residents, processing equipment, operations at the materials recovery facility (MRF), and end use demand determined by domestic and global consumption.

Historic regional commodity price trends are presented below in Figures 1 and 2. The overall trend for the Midwest region is downward. Recyclable materials, like all commodities, exhibit price swings due to many factors, including the overall U.S. economy, overseas markets, technology advances and other intangibles. Recycled commodity pricing is currently trending down due to global market conditions.

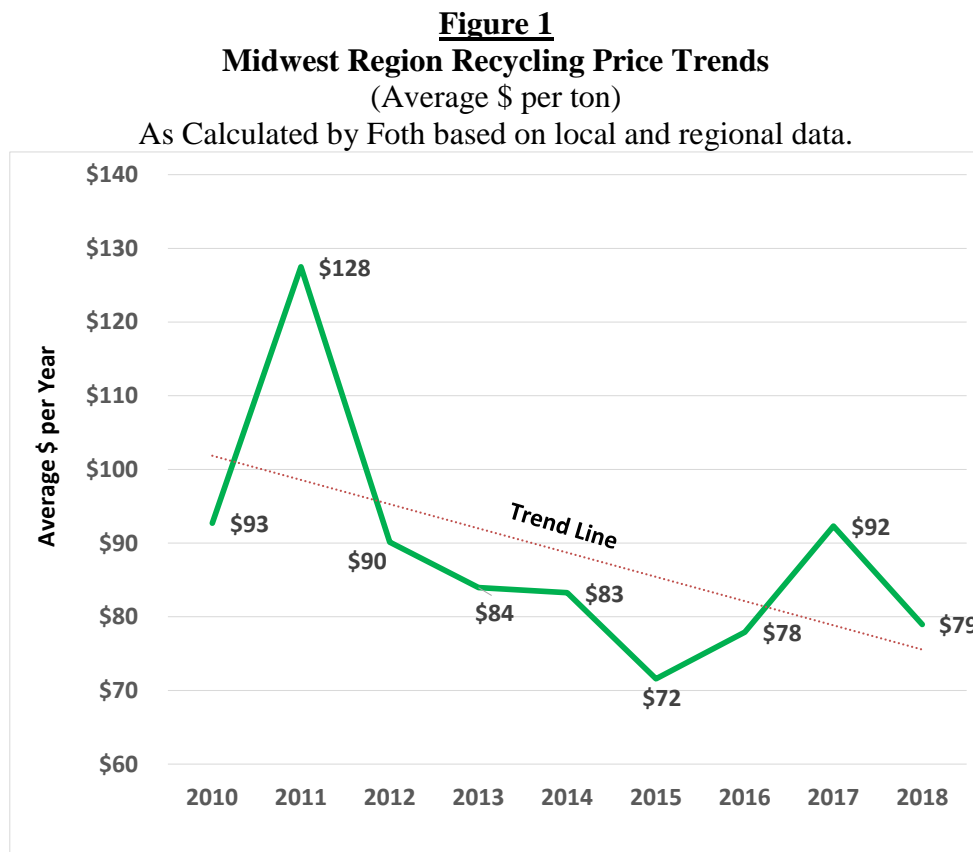
With the amount and composition of recyclable materials collected from the City of Peoria, the total value of the recyclable material (after processing and shipping to end markets) has ranged from about \$500,000 to \$800,000 per year. The equivalent price per ton for the recyclable material ranged from a low of \$72 per ton (2015) to a high of \$128 per ton (2011). The current value is estimated to be \$79 per ton. The change in value of the recyclable material is due mostly to the market price swings which are common in commodity markets.



## Methods and Source of Midwest Regional Price Data

This recycling market analysis used the residential recyclables composition from the Peoria County Resource Management Plan.<sup>1</sup> Total recycling tonnages were based on the data provided by Peoria Disposal Company (PDC) to the City of Peoria.<sup>2</sup> The end market prices for the Midwest Region are after processing (e.g., sorting and baling) and were derived from the industry publication of recyclables prices.<sup>3</sup>

Figure 1 displays the average revenue per ton for recyclables for the Midwest Region from 2010 through 2018.



The nine year prices in Figure 1 show some volatility of the end market prices and an overall decline in the trend line during this period.

<sup>1</sup> Peoria County Resource Management Plan (June, 2014); "(DRAFT) Section 3 – Background Information (<http://www.peoriacounty.org/DocumentCenter/View/285>); Table 19 – Residential Recyclables Composition (Page 58)

<sup>2</sup> Foth memo to the City of Peoria (February 20, 2017); *Summary of Current Solid Waste Management Services Agreement with PDC Services, Inc. ("Attachment 6 Peoria, Illinois – Tons trend from 2010-2016 with PDC")*

<sup>3</sup> [www.RecyclingMarkets.net](http://www.RecyclingMarkets.net) price database, information is managed by the Recycling Data Management Corporation Division.

## Price Data from Other Regions in the U.S.

Other national data from the Northwest Region indicates a similar price trend for the same years as Figure 1(2010 through 2018). Figure 2 shows a relevant “Average Price for Curbside Recycled Materials” from 1985 through 2017 from the Northwest Region.

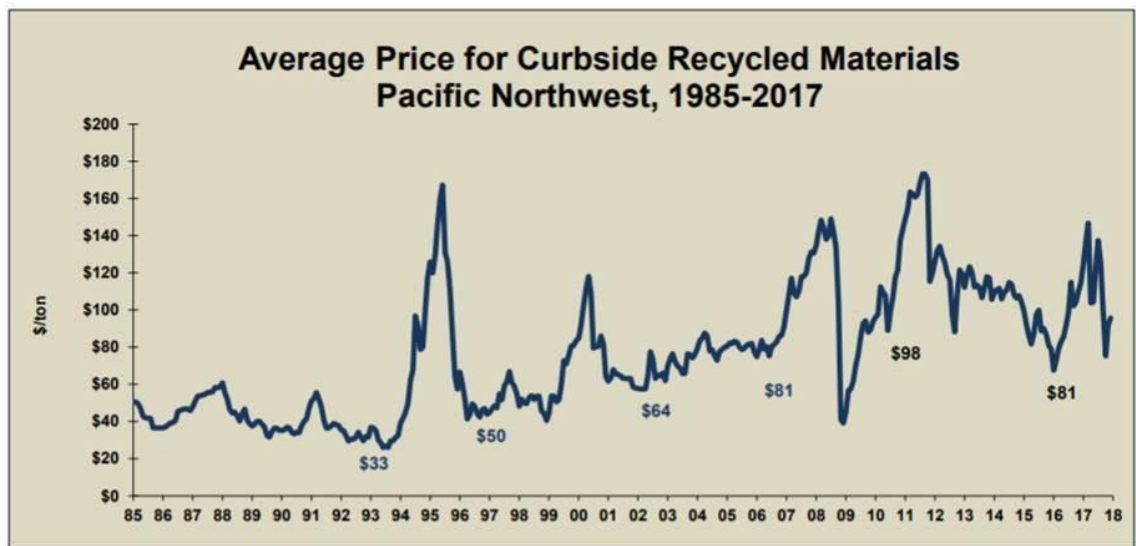
**Figure 2**

### Northwest Region Curbside Recycling Trends

Average \$ per ton (with low point prices)

By Sound Resource Management Group (SRMG), as published by Zero Waste.com

<http://zerowaste.com/images/avgpr1217.pdf>



Sound Resource Management Group, Inc.

info@zerowaste.com

Figure 2 is based on the weighted average market price. These prices are based on large quantities packed for shipment to end-use manufacturers. The materials are residential recyclables collected by curbside programs in Washington State’s Puget Sound region.

## Findings and Discussion

When analyzing recycling economics and market prices, it is best to consider the full range of materials collected. The ups and downs of each commodity are somewhat offset by the swings of other materials. For example, recyclable metals pricing may increase at the same time that recyclable fiber prices decrease. However, the average market price and the anticipate revenues may only be moderately impacted by these individual commodity price shifts.

In general, recyclables are global commodities (paper, metal, plastics) affected by worldwide economics and political factors. However, glass and recycling residuals tend to have local markets and disposal locations (e.g., landfills), which can offer market price stability for these commodities.

These global and domestic end market conditions are largely out of the control of local communities. Local communities can influence other factors that can have a significant impact on the value of recyclables. These local factors include:

- ◆ Public education / outreach that emphasizes quality of the material set out for recycling. Higher quality materials tend to have higher end market prices
- ◆ MRF equipment and operations to reduce contamination of individual commodities. Low contamination in end products maximizes the value to the end markets.
- ◆ Clear specifications in contracts with standardized definitions of material grades, prohibited items and contamination. This avoids product rejections and disruptions in end markets by establishing clear requirements for recyclable materials.

The economics of recycling has long term sustainability because of the value of quality secondary materials (e.g. recyclables) used as raw material that replace expensive virgin resources. Also, the avoided landfill disposal costs help drive recycling economic benefits when the full costs of avoided tipping fees are included in the analysis. Recyclable market conditions are likely to continue to be somewhat volatile due to global economics. However, Foth believes trends will continue to decline in the short term and rebound as economics improve in foreign markets.