



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
dep.wv.gov

MEMORANDUM

To: Marie Prezioso, Chair
Funding Committee
Infrastructure and Jobs Development Council

From: Katheryn Emery, P. E.
Sewer Technical Review Committee

Date: July 21, 2022

Subject: Town of Paw Paw
Preliminary Application: 2022S-2156
Ph. II - Collection System Rehabilitation

1. This committee has reviewed the preliminary application and engineering report submitted for the above referenced project in accordance with Chapter 31, Article 15A. It has been determined that the proposed project is:
 - a. Consistent with the intent of the Infrastructure and Jobs Development Act and is the most cost-effective, environmentally sound alternative for solving the wastewater needs in this area.
 - b. Not consistent with the Act and may not be the most cost effective, environmentally sound alternative for solving the wastewater needs in this area.
 - c. Same as (a) above except that certain issues need to be addressed prior to design and construction as the attached comments indicate.
2. Our recommendation is that:
 - a. The Funding Committee needs to review the proposed sources of funding to determine the best mix of grant and/or loan funds in accordance with applicable guidelines.

- b. ___ The Funding Committee should recommend that the Council approve the proposed project and its funding plan.
- c. ___ The Funding Committee does not need to review the funding assumptions on this project because of deficiencies in the engineering report. The proposed project funding should be tabled until technical comments have been resolved.
- d. ___ This project should be referred to the Consolidation Committee.

3. Other remarks:

The proposed project will rehabilitate the existing collection system to reduce I/I and CSO discharges. The total project cost is \$2,581,500 and the proposed funding sources are a \$581,500 CWSRF loan, a \$1,000,000 CWSRF principal forgiveness loan and a \$1,000,000 IJDC grant.

The application indicates that the Town will be applying for an IJDC design loan in the amount of \$197,000.

The Town should carefully read the PSC memo to begin addressing discrepancies in its bill analysis.

Attachments: Technical Comments

Engineering Fees:

Estimated construction cost =	\$ 2,016,600
Consultant's design fee =	\$ 182,000
Design fee percentage =	9.0%
Design fee per ASCE curve =	10.5%
Consultant's total fee =	\$ 410,000
Total fee percentage =	20.3%
Total fee per ASCE curve =	21.5%

Preliminary Project Ratings:

1. Public Health Benefits	15
3. Compliance with Standards	10
5. O & M Capabilities	3
6. Readiness to Proceed	0
8. Cost Effectiveness	0
10. Compliance with PSC Orders	0



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
Bureau for Public Health
Office of Environmental Health Service

Bill J. Crouch
Cabinet Secretary

Ayne Amjad, MD, MPH
Commissioner & State Health Officer

MEMORANDUM

TO: Jason Billups, P.E.
DEP/Infrastructure Sewer Technical Review Committee

FROM: William S. Herold, Jr., P.E., Assistant Manager
I/CD/Environmental Engineering Division

DATE: July 1, 2022

SUBJECT: Town of Paw Paw
Preliminary Application **Project No.: 2021S-1948**
Sewage Collection/WWTP Improvements
Morgan County

RECOMMENDATION:

We have reviewed this preliminary application and recommend it be forwarded to the Funding Committee for review.

PROJECT SCOPE:

This preliminary application is to make improvements to the Town of Paw Paw's existing sewage collection system and WWTP. Major work will consist of the replacement of existing sewer lines with 16,000 LF of 8"; replacement of 67 old manholes; upgrade the existing pump station by replacing the basket and adding an autodialer; at the existing WWTP, make repairs to the blower building, replacement of the chlorine disinfection building, effluent flow meter building and lagoon diffusers, repair of the chlorine contact chamber, installation of rip rap around the lagoons; and the addition of copper and zinc removal system. There will also be an I&I study.

The cost per customer is \$6,275. Total estimated project cost is \$1,462,000 (IJDC District 1 Grant: \$731,000; IJDC Design Loan: \$151,130 @ 1.00% for 40 years: and CWSRF Principal Forgiveness: \$731,000).

NEED FOR PROJECT:

The Facility Report indicates portions of the sewage collection system and the WWTP are at the end of their useful life and need to be repaired or replaced. There is a problem with high I&I that needs to be studied.

CONCERNS:

None.

PERMITS:

A permit **will not be** required from the WV Bureau for Public Health prior to construction.



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
dep.wv.gov

MEMORANDUM

TO: Kathy Emery, P.E., Director, DWWM

FROM: Matthew Codispoti, DWWM

DATE: July 14, 2022

SUBJECT: Town of Paw Paw
Preliminary Application: IJDC No. 2022S-2156
Wastewater Improvement Project

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report prepared by RK&K Engineering for the above referenced project has been reviewed and is technically feasible.

PROJECT DESCRIPTION

The Town of Paw Paw owns and operates a Combined Sewer Overflow (CSO) sewer system serving 222 residential, and 11 commercial customers. The system includes approximately 24,500 linear feet (LF) of sewer line, 6 CSO outfalls, and a Lagoon Wastewater Treatment Plant (WWTP). The flow is transported to the Town's WWTP for processing where it is discharged into Dawson Run.

The proposed project is a multipart effort to rehabilitate the sewer system in the Paw Paw area. This phase, which is Phase 2, consists removing and replacing 13,500 Linear Feet (LF) of eight (8) inch PVC gravity line, 1,300 LF of ten (10) inch gravity line, 25 manholes, various surface/subsurface repairs, and all necessary appurtenances for the existing sanitary sewer system to continue to function.

The proposed total cost for this project is \$2,581,500.00. Paw Paw intends to pursue a \$1,000,000.00 IJDC Grant, \$1,000,000.00 CWSRF Debt Forgiveness, and a \$581,500.00 CWSRF Loan (1/2%, 40yrs). The current rate charge for 3400 gallons is \$62.23 and is not expected to increase as a result of this project.

Promoting a healthy environment.

NEED FOR PROJECT

A considerable amount of Paw Paw's collection system was constructed around the 1960's and as a result of age-related degradation is believed to be heavily responsible for a large amount of the I&I in the system. In the partial I&I study, smoke testing indicated 16 critical issues such as connected downspouts and broken sewer mains, 15 intermediate issues such as broken laterals, and 54 minimal issues such as broken cleanouts or cleanouts missing caps. Acoustic inspection indicated that 19% of the lines within the system are in blocked or poor condition due to heavy debris, grease, roots, and clogging. Flow monitoring showed evidence of inflow, infiltration, or both in specific locations throughout the system. CCTV of these areas indicated broken terra cotta lines allowing infiltration. CCTV of other areas in the system showed sags and protruding laterals, leading to operation and maintenance issues. As Paw Paw is a CSO community, any reduction of I&I will result in less CSO overflows contributing to both the environmental health and the community's health.

DEFICIENCIES/COMMENTS

- The PER will need to be developed into a facilities plan that meets CWSRF requirements if CWSRF is used.
- Other Phases do not need to be discussed in the PER as they will be separate projects and should be well defined.

Engineering Fees:

Estimated construction cost =	\$ 2,016,600.00
Consultant's design fee =	\$ 182,000.00
Consultant's total fee =	\$ 410,000.00
Design fee percentage =	9.03 %
Design fee per ASCE curve =	10.50%
Total fee percentage =	20.33%
Total fee per ASCE curve =	21.50%

Preliminary Project Ratings:

Public Health Benefits	15
Compliance with Standards	10

Public Service Commission of West Virginia

201 Brooks Street, P.O. Box 812
Charleston, West Virginia 25323



Phone: (304) 340-0300
Fax: (304) 340-0325

Ms. Kathy Emery, P. E.
Office of Water Resources
Department of Environmental Protection
601 57th St.
Charleston, West Virginia 25304

Re: Public Service Commission Staff Review Comments
Application No. 2022S-2156
Town of Paw Paw (Sewer)
Infrastructure Preliminary Application

Dear Ms. Emery:

As requested, the Technical Staff of the Public Service Commission of West Virginia has completed its review of the above-referenced Infrastructure application. In light of the District's current financial condition, we are recommending the application be:

- forwarded to the Funding Committee
 forwarded to the Consolidation Committee
 table the application

Please advise if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads 'Jonathan M. Fowler'.

Jonathan M. Fowler, P.E.
Engineering Division

Enclosures
JMF:vb

**PUBLIC SERVICE COMMISSION STAFF
TECHNICAL REVIEW**

DATE: June 29, 2022

PROJECT SPONSOR: TOWN OF PAW PAW - SEWER

PROJECT SUMMARY: This project includes the rehabilitation of the existing sewer collection system addressing deficiencies identified within the I&I study.

PROPOSED FUNDING:

CWSRF Loan (0.25%, 40 yrs, 0.25% admin. fee)	\$ 581,500
CWSRF Debt Forgiveness	1,000,000
IJDC Grant	<u>1,000,000</u>
Total	\$ 2,581,500

CURRENT/PROPOSED

RATES:	\$63.68	3,400 gallons
	\$74.92	4,000 gallons

Application No. 2022S-2156

RECOMMENDATION: forward to the Funding Committee.
 forward to the Consolidation Committee.
 return to the Applicant.

FINANCIAL: Nathan Nelson

1. Current rates (\$63.68 for 3,400 gallons) are above the rate attributable to 1.25% (\$31.06), 1.5% (\$37.28), 1.75% (\$43.49), and 2.0% (\$49.70) of the Median Household Income (MHI).
2. Using Scenario 1, the preferred funding package consisting of a CWSRF Loan of \$581,500 at .25%, .25% Admin. Fee, for 40 years (paid back over 38 years), a CWSRF Principal Forgiveness of \$1,000,000 and an IJDC Grant of \$1,000,000, proposed rates (\$63.68 for 3,400 gallons) will provide a cash flow surplus of \$43,739 and debt service coverage of 308.21%.
3. Using the Scenario 2 alternate loan package of \$2,581,500 (in uncommitted funds) at 5% for 40 years (paid back over 38 years), proposed rates (\$123.07 for 3,400 gallons) will provide a cash flow surplus of \$55,966 and debt service coverage of 154.55%.

4. Notes to Comments:

- A. Staff's detailed adjustments are listed on Attachment A for Scenario 1 (Preferred Funding Package) and Attachment B for Scenario 2 (Loan Package).
- B. Staff has concerns with the bill analysis included in the project sponsor's Draft Rule 42. The per books residential bill analysis has an adjustment of 186 bills and 3,075,100 gallons on it which isn't included in the going level bill analysis or proforma bill analysis. Furthermore, the going level bill analysis and proforma bill analysis list the minimum bill as \$54.99 (3,000 gallons) instead of \$56.19 (3,000 gallons). The going level and proforma rates reflect the approximate 55% (\$63.68 for 3,400 gallons) increase in rates, however, the revenue increase in the Draft Rule 42 reflects an approximate 30% increase. It appears the project sponsor has errors in its analysis which is understating its revenues (primarily residential). These discrepancies need to be resolved prior to the project sponsor filing for a Certificate of Convenience and Necessity.
- C. Staff prepared the attached Cash Flow Analysis utilizing information from the Annual Report for the fiscal year ended June 30, 2021, and the applicant's Rule 42 exhibit submitted with the application. Due to the discrepancies noted above staff used its revenue projections. The project sponsor should carefully review its revenue analysis and be prepared to explain these discrepancies to IJDC as it considers this application.
- D. The \$63.68 (3,400 gallons) rates became effective for service rendered on and after July 18, 2021. The applicant has included this adjustment in its draft Rule 42.
- E. The applicant's Rule 42 included funding at Proforma for a \$151,130 IJDC Design Loan. Staff has confirmed that the loan will be paid off with permanent project financing and has removed the loan at Proforma. The Combined Preliminary Application lists a design loan in the amount of \$197,000. Staff used the higher of the two loans in its design loan scenario.
- F. Staff has received a Max Rate cash flow that was not uploaded to the project dashboard. The cash flow contains a rate of \$123.07 (3,400 gallons). All Proforma adjustments are listed in Staff's Scenario 2, Loan Funding Package.
- G. Senate Bill 234, effective June 12, 2015, required water and sewer utilities that are political subdivisions of the state to maintain a cash working capital reserve

in an amount of no less than one-eighth (1/8) of actual annual operation and maintenance expenses. It should be noted that the cash flows provided by the project sponsor include funding for the 1/8 cash working capital reserve. Staff accepted that amount in its analyses. However, this amount may be reviewed by the Commission in future filings in accordance with Public Service Commission General Order 183.11.

- H. Senate Bill 234 (2015) required, pursuant to WV Code 24-2-4b (b), that municipally operated utilities shall consider a reasonable plant-in-service depreciation expense for rates and charges. The project sponsor should take this into consideration when preparing its Rule 42. Municipals that do not provide for a reasonable depreciation expense risk delays in Certificate of Convenience and Necessity filings if rates are determined to not be sufficient.
 - I. The Town should carefully evaluate its revenue requirements before passing a rate ordinance in order to ensure that rates are sufficient to provide a reasonable surplus and meet coverage requirements. Calculations to support the revenue projections should also be provided.
5. The applicant has applied for an IJDC design loan in the amount of \$197,000 (1%, 40 years, paid back over 38 years).
- 1. The Attached cash flow analysis is divided into two scenarios:
 - a) The first scenario (Per Books/Going Level) evaluates the cash flow from current operations. Based upon this analysis the Town has a cash flow surplus of \$62,153 and debt service coverage of 695.17% based upon the Annual Report for the Fiscal Year Ended June 30, 2021, and the project sponsor's going level rates (\$63.68 for 3,400 gallons) of the Town.
 - b) The second scenario (Worst Case Scenario) evaluates the Per Books/Going Level information, but also takes into account the effects of the required payback of the \$197,000 (1%, 38 year payback) design loan if permanent financing for the project is not obtained. This results in the existing ratepayers absorbing this loan and based upon the information available would result in a cash flow surplus of \$54,822 and debt service coverage of 469.16% based upon the going level rates (\$63.68 for 3,400 gallons) of the Town.

ENGINEERING: Mansour Mashayekhi

1. This project will require a Certificate of Convenience and Necessity from the PSC. The project sponsor should reference this application number on the PSC's Form No. 4 when its application is filed at the Commission given the requirement of West Virginia Code §24-2-11 (c) and (e) et seq.
2. **Scope:** The proposed project is to include improvements to the existing wastewater treatment plant and sewer collection system to improve both efficiency and performance. The revenue generated from sewer service will go to debt collection and O&M costs. The proposed improvements are as follows: Inflow and Infiltration, Collection System Rehabilitation, Wastewater Treatment Plant Rehabilitation compared to conversion/upgrade to an Activated Sludge System, and Pump Station Rehabilitation. The project is estimated to cost \$2,581,500.
3. **Need for Project:** The current sewer lines are outdated and in desperate need of upgrades. The current infrastructure is reaching the end of its intended lifespan which is causing issues for residents and businesses.
4. **Customer Density:** This project is mainly an upgrade and rehabilitation in nature and customer density will not be affected.
5. **Cost per Customer:** Based upon the estimated project budget of \$2,581,500 and having approximately 233 existing customers, cost-per-customer is approximately \$11,079.
6. **Project Feasibility:** This project appears to be technically feasible and poses little technical risk.
7. **Project Alternatives:** To improve the Town of Paw Paw's WWTP and sewer collection system, the following alternatives are recommended: Alternative-R2 (Collection System Replacement), Alternative-WWTP1 (Wastewater Treatment Plant Rehabilitation), and Alternative-P1 (Pump Station Rehabilitation). Staff has no issue with the selection process.
8. **Consolidation:** There are no consolidation issues with the selected alternatives.
9. **Inconsistencies:** None was noticed for this project.

10. **Project Permits:** The following is a list of the permits anticipated to complete the various phases for the Town of Paw Paw: NPDES Modification Permit, Clearance letter from Culture & History, Department of Highways Permit (for any work within their jurisdiction), Morgan County Planning Commission – potential impact to floodplain.
11. **Operation and Maintenance (O&M) Expenses:** The project’s O&M expenses are expected to remain unchanged to total annual O&M expenses of \$87,626.
12. **Engineering Agreement:** The applicant has provided documentation relative to compliance with West Virginia Code §5G-1-1, et seq. Based on the filing, the total design fees for engineering services are \$182,000 at the construction cost of \$2,016,600. This is approximately 9.03% % of the construction costs as shown on the application.

<i>Preliminary Project Ranking</i>		
O & M Capabilities		
Performance Measures:	1	<i>Pt.</i>
Asset Management:	1	<i>Pt.</i>
Environmental Management:	1	<i>Pt.</i>
Readiness to Proceed:	0	<i>Pt.</i>
Cost Effectiveness:	0	<i>Pt.</i>
Compliance with PSC Orders:	0	<i>Pt.</i>

TOWN OF PAW PAW - SEWER DEPARTMENT
 CASH FLOW ANALYSIS
 YEAR ENDED: June 30, 2022
 APPLICATION NO: 2022S-2156
 June 29, 2022

**PREFERRED FUNDING PACKAGE
 SCENARIO 1**

	Rule 42 Going Level Per Application Before Project	Rule 42 Proforma Per Application with Project	Staff Adjustments	Per Staff Analysis
	1	2	3	4
	\$	\$	\$	\$
<u>AVAILABLE CASH</u>				
Operating Revenues	149,436	149,436	17,931 (1)	167,367
Other Operating Revenue	-	-	-	-
SB 234 Annual Working Cash Collections			10,953 (2)	10,953
Interest Income & Other Misc.	14	14	-	14
Total Cash Available	149,450	149,450	28,884	178,334
<u>OPERATING DEDUCTIONS</u>				
Operating Expenses	87,626	87,626	758 (3)	88,384
Taxes	419	419	-	419
Total Cash Requirements Before Debt Service	88,045	88,045	758	88,803
Cash Available for Debt Service (A)	61,405	61,405	28,126	89,531
<u>DEBT SERVICE REQUIREMENTS</u>				
Principal & Interest (B)	17,577	33,626	(4,578) (4)	29,048
Other Debt	-	-	-	-
Reserve Account @ 10%	459	2,064	(458) (5)	1,606
Renewal & Replacement Fund (2.5%)	3,736	3,736	448 (6)	4,184
Total Debt Service Requirement	21,772	39,426	(4,588)	34,838
SB 234 Cash Working Capital	10,953	10,953	-	10,953
Remaining Cash	28,680	11,026	32,714	43,739
Percent Coverage (A) / (B)	349.35%	182.61%		308.21%
Average rate for 3,400 gallons	\$ 63.68	\$ 63.68	\$ -	\$ 63.68
Average rate for 4,000 gallons	\$ 74.92	\$ 74.92	\$ -	\$ 74.92

Staff Adjustments

<u>Adjustment Description</u>		\$	Increase <Decrease>
(1) Operating Revenues	Per Staff Analysis	167,367	17,931
	Per Application with Project	149,436	
Adjust revenues (\$10,953) in accordance with PSC General Order 183.11. Staff also projected that an additional \$28,884 would be generated by a recent increase in rates.			
(2) SB 234 Annual Working Cash Collections	Per Staff Analysis	10,953	10,953
	Per Application with Project	-	
Account for SB 234 (2015) funding pursuant to PSC General Order 183.11.			
(3) Operating Expenses	Per Staff Analysis	88,384	758
	Per Application with Project	87,626	
To record Staff's calculation of a 0.25% CWSRF administrative fee.			
(4) Principal & Interest	Per Staff Analysis	29,048	(4,578)
	Per Application with Project	33,626	
The difference in P&I is related to Staff's calculation of a loan of \$581,500 for 40 years (paid over 38 years) at 0.25% and removal of the design loan.			
	Difference in loan	\$11	
	Removal of design loan	(\$4,589)	
		(\$4,578)	
(5) Reserve Account @ 10%	Per Staff Analysis	1,606	(458)
	Per Application with Project	2,064	
Staff assumed a 10% reserve on the new debt and removed debt service associated with the design loan.			
	Difference in debt reserve	\$1	
	Removal of design loan debt reserve	(\$459)	
		(\$458)	
(6) Renewal & Replacement Fund (2.5%)	Per Staff Analysis	4,184	448
	Per Application with Project	3,736	
Staff used 2.5% of the projection of "Operating & Other Revenues" as the basis of the renewal & replacement fund.			

TOWN OF PAW PAW - SEWER DEPARTMENT
 CASH FLOW ANALYSIS
 YEAR ENDED: June 30, 2022
 APPLICATION NO: 2022S-2156
 June 29, 2022

**LOAN FUNDING PACKAGE
 SCENARIO 2**

	Rule 42 Going Level Per Application Before Project	Rule 42 Proforma Per Application with Project	Staff Adjustments	Per Staff Analysis
	1	2	3	4
	\$	\$	\$	\$
<u>AVAILABLE CASH</u>				
Operating Revenues	149,436	288,784	44,888 (1)	333,673
Other Operating Revenue	-	-	-	-
SB 234 Annual Working Cash Collections			10,953 (2)	10,953
Interest Income & Other Misc.	14	14	-	14
Total Cash Available	149,450	288,798	55,841	344,640
<u>OPERATING DEDUCTIONS</u>				
Operating Expenses	87,626	87,626	-	87,626
Taxes	419	419	-	419
Total Cash Requirements Before Debt Service	88,045	88,045	-	88,045
Cash Available for Debt Service (A)	61,405	200,753	55,841	256,595
<u>DEBT SERVICE REQUIREMENTS</u>				
Principal & Interest (B)	17,577	167,146	(1,116) (3)	166,030
Other Debt	-	-	-	-
Reserve Account @ 10%	459	15,416	(112) (4)	15,304
Renewal & Replacement Fund (2.5%)	3,736	7,220	1,122 (5)	8,342
Total Debt Service Requirement	21,772	189,782	(106)	189,676
SB 234 Cash Working Capital	10,953	10,953	-	10,953
Remaining Cash	28,680	18	55,947	55,966
Percent Coverage (A) / (B)	349.35%	120.11%		154.55%
Average rate for 3,400 gallons	\$ 63.68	\$ 123.07	\$ -	\$ 123.07
Average rate for 4,000 gallons	\$ 74.92	\$ 144.79	\$ -	\$ 144.79

Staff Adjustments

<u>Adjustment Description</u>		\$	Increase <Decrease>
(1) Operating Revenues	Per Staff Analysis	333,673	44,889
	Per Application with Project	288,784	
Adjust revenues (\$10,953) in accordance with PSC General Order 183.11 and revenues by \$55,842 for the associated increase in rates,			
(2) SB 234 Annual Working Cash Collections	Per Staff Analysis	10,953	10,953
	Per Application with Project	-	
Account for SB 234 (2015) funding pursuant to PSC General Order 183.11.			
(3) Principal & Interest	Per Staff Analysis	166,030	(1,116)
	Per Application with Project	167,146	
The difference in P&I is related to Staff's calculation of a loan of \$2,581,500 for 40 years (paid over 38 years) at 5% and removal of the design loan.			
	Difference in loan	\$3,473	
	Removal of design loan	<u>(\$4,589)</u>	
		(\$1,116)	
(4) Reserve Account @ 10%	Per Staff Analysis	15,304	(112)
	Per Application with Project	15,416	
Staff assumed a 10% reserve on the new debt and removed the design loan debt reserve.			
	Difference in debt reserve	\$347	
	Removal of design loan debt reserve	<u>(\$459)</u>	
		(\$112)	
(5) Renewal & Replacement Fund (2.5%)	Per Staff Analysis	8,342	1,122
	Per Application with Project	7,220	
Staff used 2.5% of the projection of "Operating & Other Revenues" as the basis of the renewal & replacement fund.			

TOWN OF PAW PAW
 CASH FLOW ANALYSIS
 YEAR ENDED: June 30, 2022
 APPLICATION NO: 2022S-2156
 June 29, 2022

DESIGN LOAN

	PB/GL Scenario	Design Loan Scenario
	1	2
	\$	\$
<u>AVAILABLE CASH</u>		
Operating Revenues	178,320	167,367
Other Operating Revenue	-	-
SB 234 Annual Working Cash Collections	-	10,953
Interest Income & Other Miscell.	14	14
Total Cash Available	<u>178,334</u>	<u>178,334</u>
<u>OPERATING DEDUCTIONS</u>		
Operating Expenses	87,626	87,626
Taxes	419	419
Total Cash Requirements Before Debt Service	<u>88,045</u>	<u>88,045</u>
Cash Available for Debt Service (A)	<u>90,289</u>	<u>90,289</u>
<u>DEBT SERVICE REQUIREMENTS</u>		
Principal & Interest (B)	12,988	19,245
Other Debt	-	-
Reserve Account @ 10%	459	1,085
Renewal & Replacement Fund (2.5%)	3,736	4,184
Total Debt Service Requirement	<u>17,183</u>	<u>24,514</u>
SB 234 Cash Working Capital	10,953	10,953
Remaining Cash	<u>62,153</u>	<u>54,822</u>
Percent Coverage (A) / (B)	<u>695.17%</u>	<u>469.16%</u>
Average rate for 3,400 gallons	\$ 63.68	\$ 63.68
Average rate for 4,000 gallons	\$ 74.92	\$ 74.92