



# City of Bethel

P.O. BOX 1388

Bethel, Alaska 99559

Phone: 907- 543-2047

Fax: 907-543-3781

**Regular City Council Meeting**

April 22, 2014

6:30 P.M.

Council Chambers; Bethel, Alaska





**City Council Meeting Agenda  
Regularly Scheduled Meeting  
April 22, 2014-6:30 pm  
City Hall 300 State Highway, Bethel, AK  
City of Bethel Council Chambers**

Joseph Klejka  
Mayor  
Term Expires 2014  
543-2984  
[jklejka@cityofbethel.net](mailto:jklejka@cityofbethel.net)

Rick Robb  
Vice Mayor  
Term Expires 2015  
543-1879  
[rrobb@cityofbethel.net](mailto:rrobb@cityofbethel.net)

Mark Springer  
Council Member  
Term Expires 2015  
545-1450  
[mspringer@cityofbethel.net](mailto:mspringer@cityofbethel.net)

Eric Whitney  
Council Member  
Term Expires 2014  
545-1309  
[ewhitney@cityofbethel.net](mailto:ewhitney@cityofbethel.net)

Sharon Sigmon  
Council Member  
Term Expires 2014  
543-3452  
[ssigmon@cityofbethel.net](mailto:ssigmon@cityofbethel.net)

Heather Pike  
Council Member  
Term Expires 2015  
444-7811  
[hpike@cityofbethel.net](mailto:hpike@cityofbethel.net)

Leif Albertson  
Council Member  
Term Expires 2015  
543-2819  
[labertson@cityofbethel.net](mailto:labertson@cityofbethel.net)

Lee Foley  
City Manager  
543-2047  
[lfoley@cityofbethel.net](mailto:lfoley@cityofbethel.net)

Lori Strickler  
City Clerk  
543-1384  
[lstrickler@cityofbethel.net](mailto:lstrickler@cityofbethel.net)

Patty Burley  
City Attorney

Paul Richards  
Lobbyist  
[pmrichards@qci.net](mailto:pmrichards@qci.net)

- I. CALL TO ORDER**
- II. PLEDGE OF ALLEGIANCE**
- III. ROLL CALL**
- IV. PEOPLE TO BE HEARD** – Five minutes per person
- V. APPROVAL OF CONSENT AGENDA AND REGULAR AGENDA**
- VI. APPROVAL OF MEETING MINUTES**
  - a) **P3** \*4-08-2014 Regular City Council Meeting
- VII. REPORTS OF STANDING COMMITTEES**
  - a) Public Safety and Transportation Commission
  - b) Port Commission
  - c) Planning Commission
  - d) Parks and Recreation Committee
  - e) Finance Committee
  - f) Public Works Committee
  - g) Energy Committee
- VIII. UNFINISHED BUSINESS**
  - a) **P25** Public Hearing Of Ordinance 14-11: Amending Bethel Municipal Code Title 9, Public Peace, Morals And Welfare (Council Member Sigmon)
- IX. NEW BUSINESS**
  - a) **P53** \*Introduction Of Ordinance 14-12: Amending Bethel Municipal Code Chapter 13.16 Utility Rates (City Council)
  - b) **P255** \*Introduction Of Ordinance 14-13: Property Disposal Through Lease Agreement Between The City Of Bethel And The Yukon Kuskokwim Health Corporation For The Use Of Lots 1 And 2 Located Within Lot 4C, Block 1, City Center Subdivision, Phillips Ayagnirvik Treatment Center (City Manager Foley)
  - c) **P271** \*AM 14-32: Appointing Eddie Stanly To The Energy Committee For A Term Of Three Years (Mayor Klejka)
  - d) **P275** AM 14-33: Directing The City Clerk To Create A City Council Facebook Page (Council Member Pike)
  - e) **P285** AM 14-34: Personal Time Off Request For City Clerk July 11 -19 and July 30-August 5, 2014 (Mayor Klejka)
  - f) **P287** AM 14-35: Direction Administration To Begin Reaching Out To Entities And Property Owners In And Around The Proposed Roadway Around H Marker Lake (Mayor Klejka)
  - g) **P289** AM 14-36: Direct Administration To Release An RFP For The Removal Of Metal From The City Dump (Mayor Klejka)
  - h) \*Personal Time Off Request For City Attorney, May 9-23, 2014 (Council Member Sigmon)

Agenda posted on April 16, 2014, at City Hall, AC Co., Swansons, and the Post Office.

Lori Strickler, City Clerk's Office

(Items on the agenda noted with an asterisk (\*) are considered the consent agenda.

All Resolutions noted with an asterisk (\*) will automatically be adopted on the consent agenda unless removed from the consent agenda by Council.

Ordinances introduced with an asterisk (\*) on the consent agenda will automatically be introduced and set for **Public Hearing May 13, 2014**)





**City Council Meeting Agenda  
Regularly Scheduled Meeting  
April 22, 2014-6:30 pm  
City Hall 300 State Highway, Bethel, AK  
City of Bethel Council Chambers**

- i) \*Personal Time Off Request For City Manager, April 25 At 12:00p-May 9, 2014 (City Manager Foley)

**x. MAYOR'S REPORT**

**xi. MANAGER'S REPORT**

**xii. CLERK'S REPORT**

**xiii. COUNCIL MEMBER COMMENTS**

**xiv. EXECUTIVE SESSION**

- a) Update From Attorneys On- AS 44.62.310 (C) 1: Matters, The Immediate Knowledge Of Which Would Clearly Have An Adverse Effect Upon The Finances Of The Public Entity-Update From Attorney On The Investigation Of City Contracts And Agreements Regarding 1) Demolition Of The Old Police Station 2) Agreements With Bobby Sutton Up To And Including The Personnel Action Request Beginning March 2013 Through His Employment As Finance Director And His Post City Employment As A Consultant 3) Agreements And Leases For Use Of The City Airport Sandpit By Private Entities 4) Financial Accounting Of Leave Use By Salaried Employees Not Covered By The Collective Bargaining Agreement For The Period Of 12 Months 5) Investigation Of Employee Complaints Regarding Inappropriate Intimidation Of Employees By Supervisors 6) Bethel Municipal Code Section 3.64.050, Employment Of Relatives (Vice-Mayor Robb)
- b) Alaska Statutes 44.62.310 (c) (1): Matters, The Immediate Knowledge Of Which Would Clearly Have An Adverse Effect Upon The Finances Of The Public Entity-City Of Bethel, Collective Bargaining Agreement And Discussion Of Negotiation Actions (Council Member Sigmon)

**xv. ADJOURNMENT**

Agenda posted on April 16, 2014, at City Hall, AC Co., Swansons, and the Post Office.

Lori Strickler, City Clerk's Office

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All Resolutions noted with an asterisk (\*) will automatically be adopted on the consent agenda unless removed from the consent agenda by Council.

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*Bethel City Council*

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# **Approval of the Minutes**



**I. CALL TO ORDER**

A Regular Meeting of the Bethel City Council was held on April 8, 2014 at 6:30pm, in the council chambers, Bethel, Alaska.

Mayor Klejka called the meeting to order at 6:30 pm.

**II. PLEDGE OF ALLEGIANCE**

**III. ROLL CALL**

Comprising a quorum of the Council, the following members were present: Council Member Joseph Klejka, Council Member Mark Springer, Council Member Rick Robb, Council Member Eric Whitney, Council Member Sharon Sigmon, Council Member Leif Albertson, Council Member Heather Pike (arrived at 7:24p)

Also in attendance were the following:  
City Clerk Lori Strickler, City Manager Lee Foley, City Attorney Patty Burley

**IV. PEOPLE TO BE HEARD**

Dave Trantham-

As a member of the community since 1965, things are changing rapidly; Bethel doesn't feel like home anymore. For example, because of a 1,000 gallon water tank, he is required to purchase 1,000 gallons of water rather than what is being used which is much less. Some of the changes being made are harsh, it seems as though the City is going broke and is trying to recoup some of the money through the citizens of this community.

**V. APPROVAL OF THE CONSENT AND REGULAR AGENDA**

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**Main Motion:** To approve the Consent and Regular Agenda.

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Moved by:	Robb
Seconded by:	Sigmon
Action:	Motion carried unanimously by a vote of 6-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon and Albertson
Opposed:	None

**Removal From  
Consent Agenda:** Introduction of Ordinance 14-11.

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Moved by: | Robb

## **VI. APPROVAL OF THE MEETING MINUTES**

**Item A-** 3-25-2014 Special City Council Meeting.  
*Passed on the consent agenda.*

**Item B** -3-25-2014 Regular City Council Meeting.  
*Passed on the consent agenda.*

## **VII. REPORTS OF STANDING COMMITTEES**

**Item A-** Port Commission –  
Pete Williams, Port Director-  
A meeting will be held in a week.  
The Brown's Slough is near completion for excavation but the citizens should still be cautious when traveling in the area.

**Item B-** Planning Commission –  
No one available to provide a report.

**Item C-**Public Safety and Transportation Commission-  
Council Member Sigmon, Council Representative-  
No report.

**Item D-**Energy Committee –  
Richard Robb, Committee Representative-  
The Energy Committee held a meeting for the first time in seven months this week.  
The committee held their election of chair and vice-chair;  
accepted the resignation from Leif Albertson and Greg McIntyre and declared a seat vacant due to the member's absences.

**Item E-**Public Works Committee-  
Frank Neitz, Committee Chair-  
The committee has provided the Council with a few recommendations.  
The first recommendation is to release an RFP for the removal of vehicles within the City dump.  
The second recommendation is to preserve the overall safety of the City by preventing traffic congestion and to do that, the City really needs to consider opening up the donut hole by building a road to connect two areas of town.

The committee has concerns over the sewer lagoon. They have been discussion the institutional corridor and how to progress with the funding we have and to look at additional funding for further development of that project.

Traffic concerns when the new Swansons store opens up.  
AVEC coming on line and the potential for alternative energy.  
Repairing and replacement of city dumpsters.  
Constantly reviewing the pool project.  
Training programs for the City's truck drivers.  
The new well over in City Subdivision is also a topic of concern.

**Item F-** Finance Committee-  
Hansel Mathlaw, Finance Director –  
A quorum was not met, no meeting was held.

**Item G-** Parks and Receptions Committee-  
Eric Whitney, Council Representative-  
The Committee has one alternate seat available.  
The Committee held their election of chair and vice-chairs.

### VIII. UNFINISHED BUSINESS

**Item A – Public Hearing Of Budget Modification 13-12 (f):** Moving \$40,000 From 10-51, Administration To 10-56 City Attorney/ Moving \$32,000 To Line Item 10-66-669 From 10-66-623 Cover The Costs Associated With Impoundment.

*Mayor Klejka opened the public hearing.  
No one present to be heard on this issue.  
Mayor Klejka closed the public hearing.*

<b>Main Motion:</b>	Adopt Budget Ordinance 13-12 (f)
Moved by:	Whitney
Seconded by:	Springer
Action:	Motion carried by a vote of 6-1
In favor:	Klejka, Springer, Whitney, Sigmon, Albertson and Pike
Opposed:	Robb
	Divide the question: Action Item 1. Moving \$40,000 from Line Item 10-51, Administration to 10-56 City Attorney.
<b>Incidental Motion:</b>	Action item 2. Moving \$32,000 to Line Item 10-66-669 from 10-66-623 to Cover The Costs Associated with Impoundment.
Moved by:	Robb
Seconded by:	Sigmon

Action:	Motion does not carry by a vote of 3-3
In favor:	Klejka, Springer and Whitney
Opposed:	Robb, Sigmon and Albertson

**Primary Amendment:** Strike the line item transfer from 10-66-623 to line item 10-66-669.

Moved by:	Robb
Seconded by:	Sigmon
Action:	Motion failed by a vote of 1-6
In favor:	Robb
Opposed:	Klejka, Springer, Whitney, Sigmon, Albertson and Pike

**Incidental Motion:** To hear from the Finance Director on this issue.

Moved by:	Whitney
Seconded by:	Springer
Action:	Motion carried unanimously by a vote of 6-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon and Albertson
Opposed:	None

*Council Member Pike arrived at 7:24p, participating telephonically.*

## IX. NEW BUSINESS

**Item A- Introduction Of Ordinance 14-11:** Amending Bethel Municipal Code Title 9, Public Peace, Morals And Welfare.

**Main Motion:** Introduce Ordinance 14-11.

Moved by:	Sigmon
Seconded by:	Springer
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

**Primary Amendment:** Strike under 9.02.010 "Violation of this section is an infraction and is subject to a three hundred (\$300) dollar fine for each individual violation".

Moved by:	Springer
Seconded by:	Robb
Action:	Motion failed unanimously by a vote of 0-7
In favor:	None
Opposed:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike

<b>Secondary Amendment:</b>	Strike "and is subject to a three hundred (\$300) dollar fine for each individual violation".
Moved by:	Springer
Seconded by:	Sigmon
Action:	Motion carried by a vote of 6-1
In favor:	Klejka, Springer, Robb, Sigmon, Albertson and Pike
Opposed:	Whitney
<b>Primary Amendment:</b>	Strike "for the purposes of BMC 9.60.020 and 9.06.030" and insert "within this section."
Moved by:	Springer
Seconded by:	Sigmon
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None
<b>Primary Amendment:</b>	Under Subsection 9.06.010 to strike "or air rifle" and insert after within "populated areas" and insert after city manager "or designated shooting ranges."
Moved by:	Robb
Seconded by:	Pike
Action:	Motion carried by a vote of 5-2
In favor:	Klejka, Robb, Whitney, Albertson and Pike
Opposed:	Springer and Sigmon
<b>Primary Amendment:</b>	Strike 9.05.060 and 9.05.070 and insert "Any person working as or for an exhibitor of motion pictures shall enforce the recommended age restrictions of the rating standards established by the Motion Picture Association of America. Strike under 9.05.050 "in an areas during and wherein "X" rated or "R" rated motion pictures are being exhibited.
Moved by:	Sigmon
Seconded by:	Robb
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

**Item B- Resolution 14-08: Request For Payment In Lieu Of Taxes For Fiscal Year 2015.**

*Passed on the consent agenda.*

**Item C- AM 14-30: Appointment of Delbert Egoak To The Finance Committee.**

*Passed on the consent agenda.*

**Item D- AM 14-31: Approving The Contract Terms And Price For Connecting The Newly Drilled Well To The City Subdivision Water Treatment Plant In Accordance To The Recent Request For Proposal.**

**Main Motion:** To approve AM 14-31.

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Moved by:	Springer
Seconded by:	Whitney
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

**Incidental Motion:** Take a ten minute break.

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Moved by:	Springer
Seconded by:	Whitney
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

*Back on the record at 8:42p.*

**XII. MAYOR'S REPORT**

**XIII. MANAGERS REPORT**

**XIV. CITY CLERK'S REPORT**

**XV. COUNCIL MEMBER COMMENTS**

Council Member Springer-  
Annual shout out to the boys at McCann Treatment Center for their trapping of many fox in the area.  
Mr. Trantham is correct in his statements; the entire region is facing and will continue to face hardships financially.  
Bing Santamour was an amazing woman with a lot of contributions to our community, sincere condolences to her friends and family.

Council Member Sigmon-  
Glad the weather is breaking, and hoping break up with follow.  
Thanked the citizens for being mindful of the pedestrians, we have a lot of people in town right now for Tribal Gathering.

Council Member Albertson-

Received a nice letter from AVEC in the electric bill this month; looking forward to the transfer.  
Provided condolences to the family of Bing Santamour.

Council Member Pike-  
No comment.

Mayor Klejka-  
Condolences to the family of Bing Santamour.  
The High School Band is going to Nome to compete in a State competition, best of luck to them.  
Ice classic tickets are being sold.  
Welcomed all of the delegates that have come to town for Tribal Gathering.

Council Member Whitney-  
The Salvation Army is coming to Bethel this week. They are looking for ways they can provide services within the community.

Vice-Mayor Robb-  
Condolences to the family members of Bing Santamour.  
Condolences to the family members of James Williams.  
The Salvation Army is coming to town and will provide a presentation at the Covenant church.  
Happy Easter.

## **XVI. EXECUTIVE SESSION**

**Item A-** AS 44.62.310 (C) 1: Matters, The Immediate Knowledge Of Which Would Clearly Have An Adverse Effect Upon The Finances Of The Public Entity- Update From Attorney On The Investigation Of City Contracts And Agreements Regarding 1) Demolition Of The Old Police Station 2) Agreements With Bobby Sutton Up To And Including The Personnel Action Request Beginning March 2013 Through His Employment As Finance Director And His Post City Employment As A Consultant 3) Agreements And Leases For Use Of The City Airport Sandpit By Private Entities 4) Financial Accounting Of Leave Use By Salaried Employees Not Covered By The Collective Bargaining Agreement For The Period Of 12 Months 5) Investigation Of Employee Complaints Regarding Inappropriate Intimidation Of Employees By Supervisors 6) Hire Outside Council To Review And Advise City Council On The Existing Violation With Regard To The Bethel Municipal Code Section 3.64.050, Employment Of Relatives.

Move into Executive Session for AS 44.62.310 (C) 1: Matters, The Immediate Knowledge Of Which Would Clearly Have An Adverse Effect Upon The Finances Of The Public Entity-Update From Attorney On The Investigation Of City Contracts And Agreements Regarding 1) Demolition Of The Old Police Station 2) Agreements With Bobby Sutton Up To And Including The Personnel Action Request Beginning March 2013 Through His Employment As Finance Director And His Post City Employment As A Consultant 3) Agreements And Leases For Use Of The City Airport Sandpit By Private Entities 4) Financial Accounting Of Leave Use By Salaried Employees Not Covered By The Collective Bargaining Agreement For The Period Of 12 Months 5) Investigation Of Employee Complaints Regarding Inappropriate Intimidation Of Employees By Supervisors 6) Hire Outside Council To Review And Advise City Council On The Existing Violation With Regard To The Bethel Municipal Code Section 3.64.050, Employment Of Relatives

**Main Motion:** Those included in the executive session will be City Attorney.

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Moved by:	Springer
Seconded by:	Robb
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, and Albertson
Opposed:	None

*Council went back on the record at 9:43p.*

**XVII. ADJOURNMENT**

**Main Motion:** Adjourn

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Moved by:	Springer
Seconded by:	Robb
Action:	Motion carried unanimously by a vote of 7-0
In favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

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Joseph A. Klejka, Mayor

ATTEST:

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Lori Strickler, City Clerk

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*Bethel City Council*

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**Reports of  
Standing  
Committees**





# City of Bethel

P.O. Box 1388 • Bethel, Alaska 99559-1388  
907-543-2047  
Fax # 543-4171  
Website: www.cityofbethel.org

## REGULAR MEETING AGENDA ENERGY COMMITTEE Monday, April 7, 2014 – 6:30 p.m. City Hall Council Chambers, Bethel, AK

**Members**

Vacant  
Chair

Mary Weiss  
Vice Chair

Richard Robb

Shari Neth

Jeff Sanders

**Alternate Members**

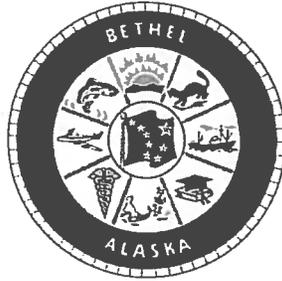
**Ex-Officio Member**

Sharri Salyers

- I. Call to Order
- II. Roll Call
- III. Special Order of Business
  - A. Election of Chair
  - B. Election of Vice-Chair
- IV. People to be Heard
- V. Approval of Agenda  
-Agenda April 7, 2014
- VI. Approval of Meeting Minutes  
-Regular Meetings July 1, 2013 , August 5, 2013 and  
October 07, 2013
- VII. Unfinished Business
  - A. Update Alternative Energy Updates-
- VIII. New Business
  - A. Acceptance of Leif Albertson's resignation from  
Committee and declaring his seat vacant pursuant to  
BMC 2.52.070 A. 9.
  - B. Declaring the seat of Greg McIntyre vacant pursuant to  
BMC 2.52.070 A.9.
  - C. Declaring the seat of Martin Leonard III vacant pursuant to  
BMC 2.52.070 A.9.
- IX. Committee Member Comments
- X. Adjournment

Agenda Posted April 03, 2014 at USPS, AC, Swanson's, and City Hall





# City of Bethel, Alaska

## Parks & Recreation Committee Agenda

Regular Meeting

April 7, 2014 – 6:00p.m.

Bethel 4-H Youth Center

Barbara Mosier  
Committee Chair  
Term Expires 12/2016

Clarence Daniel  
Committee Member  
Term Expires 12/2017

Margaret Revet  
Committee Member  
Term Expires 12/2017

Eric Whitney  
Council Rep 10/2014

Minnie Sallison Fritts  
Committee Member  
Term Expires 12/2017

Susan Taylor  
Committee Member  
Term Expires 12/2015

Amanda Colvin  
Committee Member  
Term Expires 12/2014

Cheryl Reagan  
Alternate Committee Member  
3 Year Term

Ronda Sargent  
Director  
543-7711

Richard Ramos  
Committee Recorder  
543-2088

Rachael Pitts  
City Planner  
545-0114

John Sargent  
Grant Development Manager  
543-1386

- I. CALL TO ORDER**
- II. ROLL CALL**
- III. PEOPLE TO BE HEARD – THREE MINUTES PER PERSON**
- IV. APPROVAL OF AGENDA**
- V. APPROVAL OF MINUTES**
  - A. February 3, 2014
  - B. March 10, 2014
- VI. DEPARTMENT HEAD REPORT**
- VII. UNFINISHED BUSINESS**
- VIII. NEW BUSINESS**
  - A. Committee election
- IX. MEMBER COMMENTS**
- X. ADJOURNMENT**

Posted at City Offices, AC, Swanson's, Post Office, Bethel 4-H Youth Center, YKHC, Q2, Corina's

  
Richard Ramos, Committee Recorder





## Public Works Committee Agenda

Regular Meeting Wednesday, April 16, 2014 – 6:30PM  
City Shop Conference Room

### MEMBERS

Joseph A Klejka  
Council Rep.  
Term Expires  
11/2013

Frank Neitz  
Chair  
Term Expires  
12/2013

Scott Guinn  
Vice-Chair  
Term Expires  
12/2014

VACANT  
Committee Member  
Term Expires  
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Jennifer Dobson  
Committee Member  
Term Expires  
12/2014

Donna Lindsey  
Committee Member  
Term Expires  
12/2016

Delbert Egoak  
Committee Member  
Term Expires  
12/2015

Bill Arnold  
Ex-Officio Member

Cheryl Roberts  
Secretary/Recorder

### AGENDA

- I. CALL TO ORDER
- II. ROLL CALL
- III. PEOPLE TO BE HEARD – (5 Minute Limit)  
Mike Nevenzel with ProDev - Pool Update
- IV. APPROVAL OF AGENDA
- V. APPROVAL OF MINUTES  
A. Minutes from the previous regular meeting -  
March 19, 2014.
- VI. SPECIAL ORDER OF BUSINESS
- VII. UNFINISHED BUSINESS  
A. Water & Sewer Master Plan - Bill Arnold  
B. Institutional Corridor - Feasibility Study & Funding - Bill Arnold  
To decide what to do use the \$7 million on & how far it should go -  
Frank Neitz  
C. Funding source for Sewer Lagoon & the Dredge - Bill Arnold  
D. Establishing a plan of action for a traffic plan for the new Swansons  
Store - Frank Neitz  
E. Donut Hole options for a shorter route to Tundra Ridge - Bill Arnold  
F. Repair of Dumpsters & Lids - Scott Guinn  
G. Review Committee will choose The Pool Management Company on  
March 17, 2014 - Frank Neitz  
H. Transfer of City Wind Turbine Grant to AVEC  
I. Water/Sewer Rate Hike - When will this possibly be implemented -  
Frank Neitz  
J. RUBA Assessment - When will this possibly be implemented - Frank Neitz  
K. Possible training program for water/sewer drivers - Frank Neitz  
L. RFP on piping for the New Well will be going out on April 28, 2014  
- Frank Neitz
- VIII. NEW BUSINESS  
A. AVEC - The Interconnect Agreement for the Pool Wind Mill - Frank Neitz  
B. Unstable Sewer Lagoon Platform - Frank Neitz  
C. Possible Insurance for Sewer Lagoon Dump Platform - Frank Neitz  
D. Main Street Road Repairs near Joe Lomack - Frank Neitz
- IX. DIRECTOR'S REPORT
- IX. MEMBER COMMENTS
- X. ADJOURNMENT





**PUBLIC NOTICE  
REGULAR MEETING OF THE  
BETHEL PUBLIC TRANSIT COMMITTEE**

**Date: April 17, 2014, 6:30pm  
Where: Bethel Transit Bus Barn  
(Old National Guard Armory Maintenance Shop)**

**AGENDA**

**MEMBERS**

Glen Watson  
Committee Chair

Eric Pavil  
Committee Member

Robert Lekander  
Committee Member

Arvin Dull  
Committee Member

Vacant  
Committee Member

Rick Robb  
Committee Member

John Sargent  
Committee Member

Jesse Hunter  
Committee Member

**Ex-Officio Members**

Bill Ferguson  
Transit Manger

- I. CALL TO ORDER
- II. ROLL CALL
- III. PEOPLE TO BE HEARD
- IV. APPROVAL OF AGENDA
- V. ELECTION OF OFFICERS, CHAIRMAN AND VICE CHAIRMAN
- VI. APPROVAL OF MINUTES FROM THE REGULAR MEETING
- VII. BETHEL TRANSIT MANAGER REPORT
- VIII. OLD BUSINESS
  - A. Bus Schedule for Summer 2014
  - B. FY15 Budget reduction recommendations
- IX. NEW BUSINESS
- X. DISCUSSION:
  - A. Resignation of bus driver
  - B. On-Call Bus Driver Replacement
- XI. COMMITTEE MEMBER'S COMMENTS
- XII. ADJOURNMENT



# City of Bethel

## Port Commission Meeting Agenda

Regularly Scheduled Meeting

March 17, 2014 - 7 pm

City Council Chambers, City Hall, Bethel, AK



### Commissioners

Alan Murphy  
Chair

Term Expires 2011  
(907)543-2805

Greg Roczicka  
Vice-Chair

Term Expires 2013  
(907)543-2903  
[groczicka@hotmail.com](mailto:groczicka@hotmail.com)

Mark Springer  
Council Rep.

Term Expires 2013  
(907)543-1297  
[mspringer@cityofbethel.net](mailto:mspringer@cityofbethel.net)

Richard Pope  
Port Commissioner  
Term Expires 2013

(907)543-1900  
[bethelalaskapc@gci.net](mailto:bethelalaskapc@gci.net)

John Dickens  
Port Commissioner  
Term Expires

(907)529-7756  
[mightyjades@gmail.com](mailto:mightyjades@gmail.com)

Pat Jennings  
Port Commissioner  
Term Expires

(907)543-3838  
[Jenningsfive@gmail.com](mailto:Jenningsfive@gmail.com)

### Ex-Officio

Peter A. Williams,  
Port Director

(907)545-4150  
[pwilliams@cityofbethel.net](mailto:pwilliams@cityofbethel.net)

Edward Flores  
Port Admin

(907)543-2310  
[eflores@cityofbethel.net](mailto:eflores@cityofbethel.net)

- i. CALL TO ORDER
- ii. ROLL CALL
- iii. PEOPLE TO BE HEARD
- iv. APPROVAL OF AGENDA
- v. APPROVAL OF MINUTES FROM THE REGULAR MEETINGS
- vi. DEPARTMENT HEAD COMMENTS
- vii. UNFINISHED BUSINESS
- viii. NEW BUSINESS
  - Bethel Bank Stabilization – East Addition Seawall.
- ix. COMMISSION MEMBER'S COMMENTS
- x. ADJOURNMENT

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# **Unfinished Business**



Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
Action:  
Vote:

## *CITY OF BETHEL, ALASKA*

### **Ordinance #14-11**

#### **AN ORDINANCE BY THE BETHEL CITY COUNCIL AMENDING SECTION 9 PUBLIC PEACE, MORALS AND WELFARE**

**THEREFORE BE IT ORDAINED** by the City Council of Bethel, Alaska, that the Bethel Municipal Code shall be amended and revised as follows:

**SECTION 1. Classification.** This ordinance is of a permanent nature and shall become a part of the Bethel Municipal Code.

**SECTION 2. Amending BMC Title 9** The Bethel Municipal Code is amended as follows (new language is underlined and ~~old language is stricken out~~):

#### **Chapter 9**

#### **Public Peace, Morals and Welfare**

- 9.01 Minor Offenses Adopted.
- 9.02 Disturbing Official Notices.
- 9.03 Obstructing Fire Station.
- 9.04 Fireworks.
- 9.05 Offenses By or Against Minors.
- 9.06 Discharge Firearms within City Limits.

#### **Chapter 9.01**

#### **Minor Offenses Adopted**

Sections:

9.01.010 Minor Offenses Adopted

9.01.010 Minor Offenses Adopted

A. The City adopts statutes and regulations of the State of Alaska relating to minor offenses, except for minor consuming alcohol offenses, as they presently exist and as they may be revised in the future along with the fine schedule existing at the time and as it may be revised in the future.

B. The City adopts the enforcement and processing mechanisms set out in Bethel Municipal Code Chapter 10.

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
Action:  
Vote:

***Chapter 9.04***  
***OFFENSES BY OR AGAINST PUBLIC OFFICERS AND GOVERNMENT***

Sections:

- ~~9.04.010 Resisting arrest.~~
- ~~9.04.020 Disturbing official notices.~~
- ~~9.04.030 Impersonating a police officer.~~
- ~~9.04.040 False fire alarms.~~
- ~~9.04.050 Injury to fire apparatus.~~
- ~~9.04.060 Driving over fire hose.~~
- ~~9.04.070 Obstructing fire station.~~
- ~~9.04.080 Following fire apparatus.~~
- ~~9.04.090 Obstructing fire personnel.~~

~~9.04.010 Resisting arrest.~~

~~It is unlawful for any person in the city to resist arrest by a police officer or to assist a person in the custody of a police officer to escape.~~

**Chapter 9.02**  
**Disturbing Official Notices**

Sections:

~~9.04.020~~ 9.02.010 Disturbing official notices.

~~9.04.020~~ 9.02.010 Disturbing official notices.

~~It is unlawful for any person in the city to interfere with, obstruct, mutilate, conceal or tear down any official notice or placard posted by any city officer without permission from the officer. **Violation of this section is an infraction. and is subject to a three hundred (\$300) dollar fine for each individual violation.**~~

~~9.04.030 Impersonating a police officer.~~

~~It is unlawful for any person in the city to impersonate a police officer or, without authority, attempt to exercise his powers.~~

~~9.04.040 False fire alarms.~~

~~It is unlawful for any person in the city to give or cause to be given any false alarm of a fire by setting fire to any combustible material, or by crying or sounding an alarm or by~~

Introduced by: Council Member Sigmon  
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~~any other means without cause. No person shall maliciously turn in or cause to be turned in a false alarm.~~

~~9.04.050 Injury to fire apparatus.~~

~~It is unlawful for any person to wilfully destroy or injure any engine, hose carriage, hose, hook and ladder carriage or other thing used and kept for extinguishment of fires.~~

~~9.04.060 Driving over fire hose.~~

~~No person shall drive any vehicle over a fire hose except upon specific orders from the chief or other officer in charge.~~

### **Chapter 9.03** **Obstructing Fire Station**

Sections:

9.03.010 Obstructing fire station.

~~9.04.070~~ 9.03.010 Obstructing fire station.

No person shall park any vehicle or otherwise cause any obstruction to be placed within twenty (20) feet of the entrance to any fire station or other place where fire apparatus is stored, or within ten (10) feet of any fire hydrant. Violation of this section is an infraction and is subject to a three hundred (\$300) dollar fine for each individual violation.

~~9.04.080 Following fire apparatus.~~

~~No unauthorized person with any vehicle shall follow within six hundred (600) feet of any apparatus belonging to the department, nor park any vehicle within five hundred (500) feet of a fire.~~

~~9.04.090 Obstructing fire personnel.~~

~~No person shall interfere, obstruct or harass any member of the fire department during the execution of any duty.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
Action:  
Vote:

***Chapter 9.08***  
***~~OFFENSES AGAINST PUBLIC PEACE~~***

Sections:

- ~~9.08.010 Disorderly conduct Public place defined.~~
- ~~9.08.020 Disorderly conduct Designated.~~
- ~~9.08.030 Disorderly conduct Loud noises.~~
- ~~9.08.040 Disorderly conduct Fine.~~
- ~~9.08.050 Fireworks and explosives.~~

~~9.08.010 Disorderly conduct Public place defined.~~

~~In BMC 9.08.020 and 9.08.030, a "public place" is a place where the public is permitted to assemble, enter or pass through, whether publicly or privately maintained, including but not limited to places of accommodation, transportation, business or entertainment, or any other place which is not a private place.~~

~~9.08.020 Disorderly conduct Designated.~~

~~A person who does any of the following is guilty of disorderly conduct:~~

~~A. In a public place, repeatedly or continuously shouts, blows a horn, plays a musical recording or amplifying instrument, or otherwise generates loud noises intending to disturb or acting with reckless disregard for the peace and privacy of others, or, in a private place, engages in the same conduct with the same intent or reckless disregard, having been informed by another that the conduct is disturbing the peace and privacy of others not in the same place;~~

~~B. In a public place, when a criminal offense has occurred, refuses to comply with a lawful order of the police to disperse or, in a private place, refuses to comply with an order of the police to leave the premises in which he has neither right of occupancy nor the express invitation to remain of the person having the right of possession;~~

~~C. In a public or private place challenges another to fight, or engages in fighting other than in self defense;~~

~~D. In a public or private place knowingly or recklessly creates a hazardous condition for others by an act which has no legal justification or excuse;~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
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~~E. In any public place or any place open to the public or exposed to public view solicits anyone to engage in or engages in lewd or dissolute conduct;~~

~~F. In any public place or any place open to the public accosts another person for the purpose of begging or soliciting;~~

~~G. On the private property of another, peeks in the door or windows of any inhabited building or structure located thereon without visible or lawful business with the owner or occupant thereof;~~

~~H. In any public or private place, without the permission of the owner, lodges in any building, structure, or place without the permission of the owner or person entitled to possession or control thereof.~~

~~9.08.030 Disorderly conduct — Loud noises.~~

~~In a prosecution, under BMC 9.08.020, if the loud noises constitute speech, the content of speech or evidence of specific words used by the defendant are admissible in evidence against him only as permitted by court rule. "Loud noise" in a public place means noise which is loud enough to inhibit the ability of the average person in the same place to speak freely without leaving the public place. "Loud noise" in a private place means noise which is loud enough to awaken the average person sleeping in a place other than the private place.~~

~~9.08.040 Disorderly conduct — Fine.~~

~~Upon conviction, a person who is guilty of disorderly conduct is punishable by a fine of not more than one hundred dollars (\$100). In no event shall any fine less than twenty-five dollars (\$25) be imposed and such fine shall not be suspended, nor may the punishment provided in this section be reduced under AS 11.05.150.~~

## **Chapter 9.04**

### **Fireworks**

#### **Sections:**

#### **9.04.010 Fireworks**

~~9.08.050 9.04.010 Fireworks and explosives.~~

~~A. —It is unlawful for any person in the city to sell or offer to sell dangerous fireworks for any purpose unless they are a licensed wholesaler and meet all of the requirements~~

Introduced by: Council Member Sigmon  
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set out in AS 18.72 et seq. In addition, any licensed wholesaler desiring to sell fireworks within the City of Bethel, must first obtain written consent from the fire chief, the chief of police and the city manager. Violation of this section is an infraction and is subject to a one thousand (\$1,000) dollar fine for each individual violation.

~~use or explode any fireworks, explosive or stench bomb, to which fuses are attached or which are ignitable by means of a match, without the majority decision of the chief of police, the fire chief and the city manager. In the event of an absence of the chief of police, the fire chief or the city manager, the mayor shall serve as an alternate.~~

***Chapter 9.12***  
***OFFENSES AGAINST PUBLIC DECENCY***

Sections:

- 9.12.010 — Public drinking — Prohibited.
- 9.12.020 — Public drinking — Posted area.
- 9.12.030 — Public drinking — Fine.
- 9.12.040 — Drinking in motor vehicle or boat.
- 9.12.050 — Begging.
- 9.12.060 — Enticing into automobile.
- 9.12.070 — Illegal occupation.
- 9.12.080 — Obscene act.
- 9.12.090 — Sale of obscene material.

9.12.010 Public drinking — Prohibited.

~~It is unlawful for any person to consume an alcoholic beverage on or along any public street, sidewalk, alley, or walkway; in any public park, mode of public transportation, cemetery, dump site, harbor, parking lot, airport or schoolyard; in any public building, or in any building held open for use by the public except for those areas in a commercial establishment reserved for limited or no use by the public or any building owned by the city held open for use by the public.~~

9.12.020 Public drinking — Posted area.

~~The city manager is authorized to designate public areas and places, in addition to those specified in BMC 9.12.010, in which the consumption of alcoholic beverages is prohibited, and to cause signs to be posted in such areas or places advising members of the public of the prohibition.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
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~~9.12.030 Public drinking—Fine.~~

~~A person who is guilty of drinking in public is punishable by a fine of not more than one hundred dollars (\$100). In no event shall any fine less than twenty dollars (\$25) be imposed and such fine shall not be suspended, nor may the punishment provided in this section be reduced under AS 11.05.150.~~

~~9.12.040 Drinking in motor vehicle or boat.~~

~~No person shall drink any alcoholic beverage in or upon any motor vehicle or boat.~~

~~9.12.050 Begging.~~

~~It is unlawful for any person in the city to beg in any street, alley or public place.~~

~~9.12.060 Enticing into automobile.~~

~~It is unlawful for any person in the city to accost or endeavor to entice a person into an automobile.~~

~~9.12.070 Illegal occupation.~~

~~It is unlawful for any person in the city to:~~

- ~~A. Engage in any illegal occupation or business;~~
- ~~B. Attend or frequent any place in which an illegal business is committed or conducted;~~
- ~~C. Solicit a person for the purpose of committing any illegal act.~~

~~9.12.080 Obscene act.~~

~~It is unlawful for any person in the city to:~~

- ~~A. Engage in any obscene conduct in any street, alley or public place; or~~
- ~~B. Make an obscene exhibition or exposure of his person.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
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~~9.12.090 Sale of obscene material.~~

~~It is unlawful for any person in the city to print, engrave, sell, offer for sale, give away, exhibit, publish or have in his possession for any such purpose any obscene books, pamphlets, paper, pictures, cast statuary, images or representations or other articles of an obscene nature.~~

~~**Chapter 9.16**  
**OFFENSES AGAINST PROPERTY**~~

~~Sections:~~

~~9.16.010 Vandalism of public buildings or churches.~~

~~9.16.010 Vandalism of public buildings or churches.~~

~~It is unlawful for any person in the city to deface, mar or litter any hallway, stairway, sidewalk or steps of any public building or place of worship.~~

~~**Chapter 9.20**  
**OFFENSES BY OR AGAINST MINORS**~~

~~Sections:~~

~~9.20.005 Curfew Definitions.~~

~~9.20.010 Curfew Hours designated.~~

~~9.20.015 Curfew Exceptions.~~

~~9.20.020 Curfew Parental responsibility.~~

~~9.20.025 Helmet required Parental responsibility.~~

~~9.20.030 Motion picture admittance Person defined.~~

~~9.20.040 Motion picture admittance "X" rating.~~

~~9.20.050 Motion picture admittance "R" rating.~~

~~**Chapter 9.05**  
**Offenses By or Against Minors**~~

~~Sections:~~

~~9.05.010 Curfew - Definitions.~~

~~9.05.020 Curfew - Hours Designated.~~

~~9.05.030 Curfew - Exceptions.~~

~~9.05.040 Curfew - Parental Responsibility.~~

~~9.05.050 Motion picture admittance.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
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Vote:

9.05.060 Motion picture admittance-"X" rating.

9.05.070 Motion picture admittance- "R" rating.

~~9.20.005~~ 9.05.010 Curfew – Definitions.

As used in this chapter:

A. "Guardian" means a person who is legally responsible for a youth.

B. "Emergency" means an unforeseen combination of circumstances that call for immediate action including, but not necessarily limited to, a fire, natural disaster, automobile accident, life-threatening illness or accident, or any other situation requiring immediate action to prevent physical injury or loss of life.

C. "Youth" means a person who is seventeen (17) years of age or younger and for whom the disabilities of minority have not been removed for general purposes under AS 09.55.590.

~~9.20.010~~ 9.05.020 Curfew – Hours designated.

No youth shall be upon the public streets, alleys, vacant lots, or in public buildings or places of amusement and entertainment or other unsupervised public places between the hours of 10:00 p.m. and 5:00 a.m., Sunday evening through Friday morning, and 12:00 midnight and 5:00 a.m., Friday evening through Sunday morning unless the youth's presence is excepted from the curfew in accordance with BMC ~~9.20.015~~ 9.05.030.

~~9.20.015~~ 9.05.030 Curfew – Exceptions.

It is an exception to a violation of BMC ~~9.20.010~~ 9.05.020 if, during curfew hours, a youth is:

- A. Accompanied by his or her parent or guardian.
- B. On an errand at the direction of his or her parent or guardian, without any detour or stop.
- C. Involved in an emergency.
- D. Engaged in an employment activity, or going to or returning from an employment activity, without detour or stop.
- E. On the public right-of-way immediately abutting the youth's residence or immediately abutting the residence of a next door neighbor, if the neighbor did not complain to the police department about the youth's presence.

Introduced by: Council Member Sigmon  
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F. Attending, or going to or returning home from, without any detour or stop, an official school, religious or other recreational activity supervised by adults and sponsored by the city of Bethel, the Lower Kuskokwim School District, a civic organization or another similar entity that takes responsibility for the youth.

G. Exercising First Amendment rights protected by the United States Constitution, such as free exercise of religion, freedom of speech and the right of assembly.

~~9.20.020~~ 9.05.040 Curfew – Parental responsibility.

A. No parent or guardian shall allow a youth to go at large or unaccompanied in the city upon any public street or other place mentioned in BMC ~~9.20.010~~ 9.05.020 during the restricted hours set forth in BMC ~~9.20.010~~ 9.05.020 unless the youth's presence in public is excepted from the curfew under BMC ~~9.20.015~~ 9.05.030.

B. A person who violates this section is guilty of an infraction is punishable by a civil fine of not more than two-hundred fifty one hundred dollars (\$100250) nor less than twenty-five dollars (\$25). Punishment under this subsection shall be instituted only by civil complaint or citation. An individual so cited does not have a right to trial by jury or counsel appointed by the court.

~~9.20.025~~ 9.05.040 Helmet required — Parental responsibility.

~~A. An unemancipated minor may not operate or be a passenger on an off-highway vehicle operated by a minor unless wearing protective head gear that complies with the standards of the United States Department of Transportation or other protective head gear standards adopted by the state.~~

~~B. A parent, guardian, or other person having the custody and control of a minor may not knowingly, negligently or recklessly authorize or permit the minor to operate or be a passenger on an off-highway vehicle in violation of subsection A of this section.~~

~~C. A parent, guardian, or other person having the custody and control of a minor may not, knowingly, negligently or recklessly fail to prevent the minor from operating or being a passenger on an off-highway vehicle in violation of subsection A of this section.~~

~~D. A person who owns, manages or controls an off-highway vehicle may not knowingly, negligently or recklessly authorize or permit a minor to operate or be a passenger on the off-highway vehicle in violation of subsection A of this section.~~

~~E. A person who owns, manages or controls an off-highway vehicle may not knowingly, negligently or recklessly permit another person, including a minor, to permit or authorize a minor to operate or be a passenger on the off-highway vehicle in violation of subsection A of this section.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
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~~F. For purposes of this section, a minor is an individual who is under eighteen (18) years of age and who has not been emancipated; off-highway vehicle includes snow machines, motorcycles, four wheelers, all terrain vehicles and similar motorized vehicles, and a sled or other device towed by an off-highway vehicle.~~

~~G. A parent, guardian, or other person having the custody and control of a minor or a person who owns, manages or controls an off-highway vehicle who violates any provision of this section is punishable by a civil fine of not more than one hundred dollars (\$100), but not less than twenty five dollars (\$25). Punishment for a violation of subsections B, C, D, or E of this section, may be imposed only in a civil action pursuant to a complaint or citation. A person accused of such a violation does not have a right to a trial by jury nor to a public defense.~~

~~9.20.030 9.05.050 Motion picture admittance – Person defined.~~

~~“Person” is defined, **for the purposes of BMC 9.20.040 9.06.020 and 9.20.050 9.06.030 within this section**, as any individual, owner, employee, agent, corporate officer or manager who is working as or for an exhibitor of motion pictures. **in an area during and wherein “X” rated or “R” rated motion pictures are being exhibited.**~~

~~**9.20.040 9.05.060 Motion picture admittance —“X” rating.**~~

~~**No person shall knowingly permit anyone under the age of eighteen (18) years to enter into or remain in any enclosed or open area where motion pictures are being exhibited which have been given an “X” rating according to the rating standards established by the Motion Picture Association of America.**~~

~~**9.20.050 9.05.070 Motion picture admittance —“R” rating.**~~

~~**No person shall knowingly permit anyone under the age of seventeen (17) years who is not accompanied by a parent or adult guardian to enter into or remain in any enclosed or open area where motion pictures are being exhibited which have been given an “R” rating according to the rating standards established by the Motion Picture Association of America.**~~

**9.05.060 Motion Picture Admittance**

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
Action:  
Vote:

**Any person working as or for an exhibitor of motion pictures shall enforce the recommended age restrictions of the rating standards established by the Motion Picture Association of America.**

~~Chapter 9.24~~  
~~WEAPONS~~  
**Chapter 9.06**  
**Weapons**

Sections:

~~9.24.010~~ ~~9.06.010~~ ~~Discharge Firearms within City Limits—Aiming at person—~~  
~~Carrying concealed.~~  
~~9.24.020—Prohibition posted—Definitions.~~

~~9.06.010~~ ~~Discharge Firearms within City Limits—Aiming at person—Carrying~~  
~~concealed.~~

Except as reasonably necessary to protect life or property, it is unlawful for any person in the city to:

A. Discharge any firearm **or air rifle** within **populated areas** the City limits except in areas designated by the city manager **or designated shooting ranges**; or

B. Intentionally point or aim a firearm, air rifle, or other dangerous weapon, loaded or otherwise at any person; or

C. Carry a firearm, air rifle or a deadly weapon in any restricted access area of municipal government buildings.

~~9.24.020~~ ~~Prohibition posted—Definitions.~~

~~A. All restricted access areas of municipal government buildings in which the possession of firearms is prohibited shall have posted the notice of prohibition against possession of firearms at each entrance.~~

Introduced by: Council Member Sigmon  
Date: April 8, 2014  
Public Hearing: April 22, 2014  
Action:  
Vote:

B. For purposes of this chapter:

1. "Firearms" includes firearms, or any other element relating to firearms or parts thereof including ammunition and reloading components.
2. ~~"Restricted access area" means the area beyond a secure point where visitors are screened and does not include common areas of ingress and egress open to the general public.~~

**SECTION 3. Effective Date.** This Title shall become effective immediately upon the passage by the City Council.

**ENACTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2014, BY A VOTE OF \_\_\_ IN FAVOR AND \_\_\_ OPPOSED.**

\_\_\_\_\_  
Joseph A. Klejka, Mayor

ATTEST:

\_\_\_\_\_  
Lori Strickler, City Clerk



**Notes from City Attorney on Ordinance #14-11.**

**Chapter 9  
Public Peace, Morals and Welfare**

- 9.01 Minor Offenses Adopted.
- 9.02 Disturbing Official Notices.
- 9.03 Obstructing Fire Station.
- 9.04 Fireworks.
- 9.05 Offenses By or Against Minors.
- 9.06 Discharge Firearms within City Limits.

**Chapter 9.01  
Minor Offenses Adopted**

Sections:

9.01.010 Minor Offenses Adopted

9.01.010 Minor Offenses Adopted

A. The City adopts statutes and regulations of the State of Alaska relating to minor offenses, except for minor consuming alcohol offenses, as they presently exist and as they may be revised in the future along with the fine schedule existing at the time and as it may be revised in the future.

B. The City adopts the enforcement and processing mechanisms set out in Bethel Municipal Code Chapter 10.

**Comment [p1]:** Brings in all remaining revenue but deliberately exempts minor consuming as it is the one minor offense (non criminal matter) that the courts have decided is a hybrid type of case and subject to appointment of legal counsel.

***Chapter 9.04***  
***OFFENSES BY OR AGAINST PUBLIC OFFICERS AND GOVERNMENT***

Sections:

- 9.04.010 Resisting arrest.
- 9.04.020 Disturbing official notices.
- 9.04.030 Impersonating a police officer.
- 9.04.040 False fire alarms.
- 9.04.050 Injury to fire apparatus.
- 9.04.060 Driving over fire hose.
- 9.04.070 Obstructing fire station.
- 9.04.080 Following fire apparatus.
- 9.04.090 Obstructing fire personnel.

~~9.04.010 Resisting arrest.~~

**Comment [p2]:** This is a misdemeanor crime subject to jail and the right to have court appointed counsel.

~~It is unlawful for any person in the city to resist arrest by a police officer or to assist a person in the custody of a police officer to escape.~~

**Chapter 9.02  
Disturbing Official Notices**

Sections:

~~9.04.020 9.02.010~~ Disturbing official notices.

~~9.04.020 9.02.010~~ Disturbing official notices.

~~It is unlawful for any person in the city to interfere with, obstruct, mutilate, conceal or tear down any official notice or placard posted by any city officer without permission from the officer. Violation of this section is an infraction and is subject to a three hundred (\$300) dollar fine for each individual violation.~~

~~9.04.030 Impersonating a police officer.~~

**Comment [p3]:** This is a felony crime subject to jail and a court appointed counsel.

~~It is unlawful for any person in the city to impersonate a police officer or, without authority, attempt to exercise his powers.~~

~~9.04.040 False fire alarms.~~

**Comment [p4]:** Criminal matter subject to jail..

~~It is unlawful for any person in the city to give or cause to be given any false alarm of a fire by setting fire to any combustible material, or by crying or sounding an alarm or by any other means without cause. No person shall maliciously turn in or cause to be turned in a false alarm.~~

~~9.04.050 Injury to fire apparatus.~~

**Comment [p5]:** Depending on the extent of the damage this is either a felony or a misdemeanor subject to jail and a court appointed lawyer.

~~It is unlawful for any person to wilfully destroy or injure any engine, hose carriage, hose, hook and ladder carriage or other thing used and kept for extinguishment of fires.~~

~~9.04.060 Driving over fire hose.~~

**Comment [p6]:** This is a traffic violation already adopted in Chapter 10

~~No person shall drive any vehicle over a fire hose except upon specific orders from the chief or other officer in charge.~~

**Chapter 9.03  
Obstructing Fire Station**

Sections:

~~9.03.010~~ Obstructing fire station.

~~9.04.070~~ 9.03.010 Obstructing fire station.

No person shall park any vehicle or otherwise cause any obstruction to be placed within twenty (20) feet of the entrance to any fire station or other place where fire apparatus is stored, or within ten (10) feet of any fire hydrant. Violation of this section is an infraction and is subject to a three hundred (\$300) dollar fine for each individual violation.

~~9.04.080~~ Following fire apparatus.

~~No unauthorized person with any vehicle shall follow within six hundred (600) feet of any apparatus belonging to the department, nor park any vehicle within five hundred (500) feet of a fire.~~

~~9.04.090~~ Obstructing fire personnel.

~~No person shall interfere, obstruct or harass any member of the fire department during the execution of any duty.~~

***Chapter 9.08***  
***OFFENSES AGAINST PUBLIC PEACE***

Sections:

- ~~9.08.010~~ — Disorderly conduct — Public place defined.
- ~~9.08.020~~ — Disorderly conduct — Designated.
- ~~9.08.030~~ — Disorderly conduct — Loud noises.
- ~~9.08.040~~ — Disorderly conduct — Fine.
- ~~9.08.050~~ — Fireworks and explosives.

**Comment [p7]:** All of the disorderly conducts are misdemeanors which have jail time and the need for court appointed legal counsel.

~~9.08.010~~ Disorderly conduct — Public place defined.

~~In BMC 9.08.020 and 9.08.030, a "public place" is a place where the public is permitted to assemble, enter or pass through, whether publicly or privately maintained, including but not limited to places of accommodation, transportation, business or entertainment, or any other place which is not a private place.~~

~~9.08.020~~ Disorderly conduct — Designated.

~~A person who does any of the following is guilty of disorderly conduct:~~

~~A. In a public place, repeatedly or continuously shouts, blows a horn, plays a musical recording or amplifying instrument, or otherwise generates loud noises intending to disturb or acting with reckless disregard for the peace and privacy of others, or, in a private place, engages in the same conduct with the same intent or reckless disregard,~~

having been informed by another that the conduct is disturbing the peace and privacy of others not in the same place;

B. In a public place, when a criminal offense has occurred, refuses to comply with a lawful order of the police to disperse or, in a private place, refuses to comply with an order of the police to leave the premises in which he has neither right of occupancy nor the express invitation to remain of the person having the right of possession;

C. In a public or private place challenges another to fight, or engages in fighting other than in self-defense;

D. In a public or private place knowingly or recklessly creates a hazardous condition for others by an act which has no legal justification or excuse;

E. In any public place or any place open to the public or exposed to public view solicits anyone to engage in or engages in lewd or dissolute conduct;

F. In any public place or any place open to the public accosts another person for the purpose of begging or soliciting;

G. On the private property of another, peeks in the door or windows of any inhabited building or structure located thereon without visible or lawful business with the owner or occupant thereof;

H. In any public or private place, without the permission of the owner, lodges in any building, structure, or place without the permission of the owner or person entitled to possession or control thereof.

#### 9.08.030 Disorderly conduct — Loud noises.

In a prosecution, under BMC 9.08.020, if the loud noises constitute speech, the content of speech or evidence of specific words used by the defendant are admissible in evidence against him only as permitted by court rule. "Loud noise" in a public place means noise which is loud enough to inhibit the ability of the average person in the same place to speak freely without leaving the public place. "Loud noise" in a private place means noise which is loud enough to awaken the average person sleeping in a place other than the private place.

#### 9.08.040 Disorderly conduct — Fine.

Upon conviction, a person who is guilty of disorderly conduct is punishable by a fine of not more than one hundred dollars (\$100). In no event shall any fine less than twenty-five dollars (\$25) be imposed and such fine shall not be suspended, nor may the punishment provided in this section be reduced under AS 11.05.150.

**Chapter 9.04**  
**Fireworks**

Sections:

9.04.010 Fireworks

~~9.08.050~~ 9.04.010 Fireworks and explosives.

A.—It is unlawful for any person in the city to sell or offer to sell dangerous fireworks for any purpose unless they are a licensed wholesaler and meet all of the requirements set out in AS 18.72 et seq. In addition, any licensed wholesaler desiring to sell fireworks within the City of Bethel, must first obtain written consent from the fire chief, the chief of police and the city manager. Violation of this section is an infraction and is subject to a one thousand (\$1,000) dollar fine for each individual violation.

~~, use or explode any fireworks, explosive or stench bomb, to which fuses are attached or which are ignitable by means of a match, without the majority decision of the chief of police, the fire chief and the city manager. In the event of an absence of the chief of police, the fire chief or the city manager, the mayor shall serve as an alternate.~~

***Chapter 9.12***  
***OFFENSES AGAINST PUBLIC DECENCY***

Sections:

- ~~9.12.010~~ — Public drinking — Prohibited.
- ~~9.12.020~~ — Public drinking — Posted area.
- ~~9.12.030~~ — Public drinking — Fine.
- ~~9.12.040~~ — Drinking in motor vehicle or boat.
- ~~9.12.050~~ — Begging.
- ~~9.12.060~~ — Enticing into automobile.
- ~~9.12.070~~ — Illegal occupation.
- ~~9.12.080~~ — Obscene act.
- ~~9.12.090~~ — Sale of obscene material.

~~9.12.010~~ Public drinking — Prohibited.

~~It is unlawful for any person to consume an alcoholic beverage on or along any public street, sidewalk, alley, or walkway; in any public park, mode of public transportation, cemetery, dump site, harbor, parking lot, airport or schoolyard; in any public building, or in any building held open for use by the public except for those areas in a commercial establishment reserved for limited or no use by the public or any building owned by the city held open for use by the public.~~

**Comment [p8]:** Cannot make it a bad thing to drink. Our State looks at drinking as a disease and expects public drinking and intoxication to be treated as such. Can only penalize for being disorderly.

9.12.020 Public drinking—Posted area.

The city manager is authorized to designate public areas and places, in addition to those specified in BMC 9.12.010, in which the consumption of alcoholic beverages is prohibited, and to cause signs to be posted in such areas or places advising members of the public of the prohibition.

9.12.030 Public drinking—Fine:

A person who is guilty of drinking in public is punishable by a fine of not more than one hundred dollars (\$100). In no event shall any fine less than twenty dollars (\$25) be imposed and such fine shall not be suspended, nor may the punishment provided in this section be reduced under AS 11.05.150.

9.12.040 Drinking in motor vehicle or boat.

No person shall drink any alcoholic beverage in or upon any motor vehicle or boat.

9.12.050 ~~Begging.~~

Comment [p9]: Could find no history of this citation being issued in the last 5-6 years.

It is unlawful for any person in the city to beg in any street, alley or public place.

9.12.060 Enticing into ~~automobile.~~

Comment [p10]: Felony crime

It is unlawful for any person in the city to accost or endeavor to entice a person into an automobile.

9.12.070 Illegal ~~occupation.~~

Comment [p11]: Crime

It is unlawful for any person in the city to:

- A. Engage in any illegal occupation or business;
- B. Attend or frequent any place in which an illegal business is committed or conducted;
- C. Solicit a person for the purpose of committing any illegal act.

9.12.080 ~~Obscene act.~~

It is unlawful for any person in the city to:

- A. Engage in any obscene conduct in any street, alley or public place; or
- B. Make an obscene exhibition or exposure of his person.

~~9.12.090 Sale of obscene material.~~

**Comment [p12]:** Difficult to define "Obscene".  
Brings about a lot of 1<sup>st</sup> amendment lawsuits.

~~It is unlawful for any person in the city to print, engrave, sell, offer for sale, give away, exhibit, publish or have in his possession for any such purpose any obscene books, pamphlets, paper, pictures, cast statuary, images or representations or other articles of an obscene nature.~~

***Chapter 9.16***  
***OFFENSES AGAINST PROPERTY***

Sections:

~~9.16.010 Vandalism of public buildings or churches.~~

**Comment [p13]:** Crime

~~9.16.010 Vandalism of public buildings or churches.~~

~~It is unlawful for any person in the city to deface, mar or litter any hallway, stairway, sidewalk or steps of any public building or place of worship.~~

***Chapter 9.20***  
***OFFENSES BY OR AGAINST MINORS***

Sections:

- ~~9.20.005 Curfew Definitions.~~
- ~~9.20.010 Curfew Hours designated.~~
- ~~9.20.015 Curfew Exceptions.~~
- ~~9.20.020 Curfew Parental responsibility.~~
- ~~9.20.025 Helmet required Parental responsibility.~~
- ~~9.20.030 Motion picture admittance Person defined.~~
- ~~9.20.040 Motion picture admittance "X" rating.~~
- ~~9.20.050 Motion picture admittance "R" rating.~~

**Chapter 9.05**  
**Offenses By or Against Minors**

Sections:

- 9.05.010 Curfew – Definitions.
- 9.05.020 Curfew – Hours Designated.
- 9.05.030 Curfew – Exceptions.
- 9.05.040 Curfew – Parental Responsibility.
- 9.05.050 Motion picture admittance.
- 9.05.060 Motion picture admittance-"X" rating.
- 9.05.070 Motion picture admittance- "R" rating.

~~9.20.005~~ 9.05.010 Curfew – Definitions.

As used in this chapter:

A. "Guardian" means a person who is legally responsible for a youth.

B. "Emergency" means an unforeseen combination of circumstances that call for immediate action including, but not necessarily limited to, a fire, natural disaster, automobile accident, life-threatening illness or accident, or any other situation requiring immediate action to prevent physical injury or loss of life.

C. "Youth" means a person who is seventeen (17) years of age or younger and for whom the disabilities of minority have not been removed for general purposes under AS 09.55.590.

~~9.20.010~~ 9.05.020 Curfew – Hours designated.

No youth shall be upon the public streets, alleys, vacant lots, or in public buildings or places of amusement and entertainment or other unsupervised public places between the hours of 10:00 p.m. and 5:00 a.m., Sunday evening through Friday morning, and 12:00 midnight and 5:00 a.m., Friday evening through Sunday morning unless the youth's presence is excepted from the curfew in accordance with BMC ~~9.20.015~~ 9.05.030.

~~9.20.015~~ 9.05.030 Curfew – Exceptions.

It is an exception to a violation of BMC ~~9.20.010~~ 9.05.020 if, during curfew hours, a youth is:

A. Accompanied by his or her parent or guardian.

B. On an errand at the direction of his or her parent or guardian, without any detour or stop.

C. Involved in an emergency.

D. Engaged in an employment activity, or going to or returning from an employment activity, without detour or stop.

E. On the public right-of-way immediately abutting the youth's residence or immediately abutting the residence of a next door neighbor, if the neighbor did not complain to the police department about the youth's presence.

F. Attending, or going to or returning home from, without any detour or stop, an official school, religious or other recreational activity supervised by adults and sponsored by the city of Bethel, the Lower Kuskokwim School District, a civic organization or another similar entity that takes responsibility for the youth.

G. Exercising First Amendment rights protected by the United States Constitution, such as free exercise of religion, freedom of speech and the right of assembly.

~~9.20.020~~ 9.05.040 Curfew – Parental responsibility.

A. No parent or guardian shall allow a youth to go at large or unaccompanied in the city upon any public street or other place mentioned in BMC ~~9.20.010~~ 9.05.020 during the restricted hours set forth in BMC ~~9.20.010~~ 9.05.020 unless the youth's presence in public is excepted from the curfew under BMC ~~9.20.015~~ 9.05.030.

B. A person who violates this section ~~is guilty of an infraction~~ is punishable by a civil fine of not more than ~~two-hundred fifty one hundred~~ dollars (~~\$100~~250) nor less than twenty-five dollars (\$25). ~~Punishment under this subsection shall be instituted only by civil complaint or citation. An individual so cited does not have a right to trial by jury or counsel appointed by the court.~~

Comment [p14]: Already a traffic law adopted under Chapter 10.

~~9.20.025~~ 9.05.040 Helmet required – Parental responsibility.

~~A. An unemancipated minor may not operate or be a passenger on an off-highway vehicle operated by a minor unless wearing protective head gear that complies with the standards of the United States Department of Transportation or other protective head gear standards adopted by the state.~~

~~B. A parent, guardian, or other person having the custody and control of a minor may not knowingly, negligently or recklessly authorize or permit the minor to operate or be a passenger on an off-highway vehicle in violation of subsection A of this section.~~

~~C. A parent, guardian, or other person having the custody and control of a minor may not, knowingly, negligently or recklessly fail to prevent the minor from operating or being a passenger on an off-highway vehicle in violation of subsection A of this section.~~

~~D. A person who owns, manages or controls an off-highway vehicle may not knowingly, negligently or recklessly authorize or permit a minor to operate or be a passenger on the off-highway vehicle in violation of subsection A of this section.~~

~~E. A person who owns, manages or controls an off-highway vehicle may not knowingly, negligently or recklessly permit another person, including a minor, to permit or authorize a minor to operate or be a passenger on the off-highway vehicle in violation of subsection A of this section.~~

~~F. For purposes of this section, a minor is an individual who is under eighteen (18) years of age and who has not been emancipated; off-highway vehicle includes snow machines, motorcycles, four-wheelers, all terrain vehicles and similar motorized vehicles, and a sled or other device towed by an off-highway vehicle.~~

~~G. A parent, guardian, or other person having the custody and control of a minor or a person who owns, manages or controls an off-highway vehicle who violates any provision of this section is punishable by a civil fine of not more than one hundred dollars (\$100), but not less than twenty five dollars (\$25). Punishment for a violation of subsections B, C, D, or E of this section, may be imposed only in a civil action pursuant~~

City of Bethel, Alaska

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~~to a complaint or citation. A person accused of such a violation does not have a right to a trial by jury nor to a public defense.~~

~~9.20.030~~ 9.05.050 Motion picture admittance – Person defined.

"Person" is defined, for the purposes of BMC ~~9.20.040~~ 9.06.020 and ~~9.20.050~~ 9.06.030, as any individual, owner, employee, agent, corporate officer or manager who is working as or for an exhibitor of motion pictures in an area during and wherein "X"-rated or "R"-rated motion pictures are being exhibited.

~~9.20.040~~ 9.05.060 Motion picture admittance – "X" rating.

No person shall knowingly permit anyone under the age of eighteen (18) years to enter into or remain in any enclosed or open area where motion pictures are being exhibited which have been given an "X" rating according to the rating standards established by the Motion Picture Association of America.

~~9.20.050~~ 9.05.070 Motion picture admittance – "R" rating.

No person shall knowingly permit anyone under the age of seventeen (17) years who is not accompanied by a parent or adult guardian to enter into or remain in any enclosed or open area where motion pictures are being exhibited which have been given an "R" rating according to the rating standards established by the Motion Picture Association of America.

~~Chapter 9.24~~  
~~WEAPONS~~

Chapter 9.06  
Weapons

Sections:

~~9.24.010~~ 9.06.010 Discharge Firearms within City Limits — Aiming at person —  
Carrying concealed.

~~9.24.020~~ Prohibition posted — Definitions.

9.06.010 Discharge Firearms within City Limits — Aiming at person — Carrying  
concealed.

Except as reasonably necessary to protect life or property, it is unlawful for any person in the city to:

A. Discharge any firearm or air rifle within the City limits except in areas designated by the city manager; or

B. Intentionally point or aim a firearm, air rifle, or other dangerous weapon, loaded or otherwise at any person; or

Comment [p15]: This section is a crime.

C. Carry a firearm, air rifle or a deadly weapon in any restricted access area of municipal government buildings.

Comment [p16]: This section is a federal crime.

9.24.020 Prohibition posted — Definitions.

A. ~~All restricted access areas of municipal government buildings in which the possession of firearms is prohibited shall have posted the notice of prohibition against possession of firearms at each entrance.~~

B. For purposes of this chapter:

1. "Firearms" includes firearms, or any other element relating to firearms or parts thereof including ammunition and reloading components.

2. ~~"Restricted access area" means the area beyond a secure point where visitors are screened and does not include common areas of ingress and egress open to the general public.~~

**SECTION 3. Effective Date.** This Title shall become effective immediately upon the passage by the City Council.

**ENACTED THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2014, BY A VOTE OF \_\_\_ IN FAVOR AND \_\_\_ OPPOSED.**

\_\_\_\_\_  
Joseph A. Klejka, Mayor

ATTEST:

\_\_\_\_\_  
Lori Strickler, City Clerk



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*Bethel City Council*

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# **New Business**



Introduced by: City Council (AM 13-31)  
Date: April 22, 2014  
Public Hearing:  
Action:  
Vote:

# CITY OF BETHEL, ALASKA

## Ordinance #14-12

### AN ORDINANCE AMENDING BETHEL MUNICIPAL CODE SECTION 13.16 UTILITY RATES

**THEREFORE BE IT ORDAINED** by the City Council of Bethel, Alaska, that the Bethel Municipal Code shall be amended and revised as follows:

**SECTION 1. Classification.** This ordinance is of a permanent nature and shall become part of the Bethel Municipal Code.

**SECTION 2. Amendment** The Bethel Municipal Code Chapter 13.16, is amended as follows (new language is underlined and ~~old language is stricken out~~):

#### Chapter 13.16 Utility Rates

##### 13.16.010 Definitions

A. "Hauled Water Zone One (1)" as identified in the Hauled Water Zone Map available at the City Offices.

B. "Hauled Water Zone Two (2)" as identified in the Hauled Water Zone Map available at the City Offices.

C. "Regular Business Hours" means the days and hours the city's administrative offices are open to provide general services to the public, excluding weekends and holidays.

D. "Residential" means a building or group of buildings, containing no more than two (2) separate living quarters all having complete living facilities designed for long-term human habitation.

##### **13.16.020 Water service.**

For the providing of residential/commercial water services ~~with~~ within the city, the following charges shall be made:

~~A. In addition to usage charges under subsections B and H of this section, water customers shall pay five dollars (\$5) monthly per water subscription for facility charges to recover the cost of water system capital improvements and depreciation.~~

Introduced by: City Council (AM 13-31)  
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~~B. Residential/commercial water delivery services for outside fill with an overflow involving the following capacities, frequencies and rate charges:~~

~~Utility Rate Sheet~~

<del>Capacity</del>	<del>Frequency</del>	<del>Hauled Water Zone 1</del>	<del>Sewer</del>
<del>100 Gallons</del>	<del>1 time per month</del>	<del>\$ 11.83</del>	<del>\$ 10.70</del>
<del>-</del>	<del>2 times per month</del>	<del>\$ 27.90</del>	<del>\$ 21.40</del>
<del>-</del>	<del>1 time per week</del>	<del>\$ 40.27</del>	<del>\$ 42.79</del>
<del>-</del>	<del>2 times per week</del>	<del>\$ 64.86</del>	<del>\$ 85.57</del>
<del>-</del>	<del>3 times per week</del>	<del>\$ 74.73</del>	<del>\$ 128.35</del>
<del>-</del>	<del>4 times per week</del>	<del>\$ 102.72</del>	<del>\$ 171.13</del>
<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>
<del>150 Gallons</del>	<del>1 time per month</del>	<del>\$ 13.75</del>	<del>\$ 13.64</del>
<del>-</del>	<del>2 times per month</del>	<del>\$ 28.04</del>	<del>\$ 27.27</del>
<del>-</del>	<del>1 time per week</del>	<del>\$ 57.21</del>	<del>\$ 54.53</del>
<del>-</del>	<del>2 times per week</del>	<del>\$ 116.66</del>	<del>\$ 109.06</del>
<del>-</del>	<del>3 times per week</del>	<del>\$ 178.33</del>	<del>\$ 163.58</del>
<del>-</del>	<del>4 times per week</del>	<del>\$ 242.25</del>	<del>\$ 218.11</del>
<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>
<del>200 Gallons</del>	<del>1 time per month</del>	<del>\$ 15.89</del>	<del>\$ 14.64</del>
<del>-</del>	<del>2 times per month</del>	<del>\$ 32.52</del>	<del>\$ 29.28</del>
<del>-</del>	<del>1 time per week</del>	<del>\$ 66.49</del>	<del>\$ 58.56</del>
<del>-</del>	<del>2 times per week</del>	<del>\$ 135.88</del>	<del>\$ 117.11</del>
<del>-</del>	<del>3 times per week</del>	<del>\$ 208.18</del>	<del>\$ 175.67</del>
<del>-</del>	<del>4 times per week</del>	<del>\$ 283.34</del>	<del>\$ 234.22</del>
<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>
<del>250 Gallons</del>	<del>1 time per month</del>	<del>\$ 17.90</del>	<del>\$ 15.64</del>
<del>-</del>	<del>2 times per month</del>	<del>\$ 36.67</del>	<del>\$ 31.27</del>
<del>-</del>	<del>1 time per week</del>	<del>\$ 75.08</del>	<del>\$ 62.54</del>

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
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-	2 times per week	\$ 153.67	\$ 125.08
-	3 times per week	\$ 235.77	\$ 187.62
-	4 times per week	\$ 321.37	\$ 250.16
-	-	-	-
300 Gallons	1 time per month	\$ 19.74	\$ 16.65
-	2 times per month	\$ 40.48	\$ 33.29
-	1 time per week	\$ 82.97	\$ 66.57
-	2 times per week	\$ 170.02	\$ 133.14
-	3 times per week	\$ 261.11	\$ 199.71
-	4 times per week	\$ 356.72	\$ 266.28
-	-	-	-
350 Gallons	1 time per month	\$ 21.40	\$ 17.65
-	2 times per month	\$ 43.94	\$ 35.30
-	1 time per week	\$ 90.17	\$ 70.60
-	2 times per week	\$ 184.90	\$ 141.20
-	3 times per week	\$ 284.24	\$ 211.79
-	4 times per week	\$ 388.16	\$ 282.39
-	-	-	-
400 Gallons	1 time per month	\$ 22.91	\$ 18.66
-	2 times per month	\$ 47.07	\$ 37.32
-	1 time per week	\$ 96.66	\$ 74.63
-	2 times per week	\$ 198.35	\$ 149.25
-	3 times per week	\$ 305.12	\$ 223.88
-	4 times per week	\$ 416.91	\$ 298.50
-	-	-	-
450 Gallons	1 time per month	\$ 24.25	\$ 19.67
-	2 times per month	\$ 49.87	\$ 39.33
-	1 time per week	\$ 102.42	\$ 78.66
-	2 times per week	\$ 210.36	\$ 157.31

Introduced by: City Council (AM 13-31)  
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 Vote:

-	3 times per week	\$ 323.75	\$ 235.96
-	4 times per week	\$ 442.61	\$ 314.61
-	-	-	-
500 Gallons	1 time per month	\$ 25.41	\$ 20.67
-	2 times per month	\$ 52.28	\$ 41.34
-	1 time per week	\$ 107.52	\$ 82.68
-	2 times per week	\$ 220.91	\$ 165.36
-	3 times per week	\$ 340.14	\$ 248.04
-	4 times per week	\$ 465.22	\$ 330.72
-	-	-	-
550 Gallons	1 time per month	\$ 28.42	\$ 21.67
-	2 times per month	\$ 58.53	\$ 43.34
-	1 time per week	\$ 120.44	\$ 86.67
-	2 times per week	\$ 247.61	\$ 173.34
-	3 times per week	\$ 381.55	\$ 260.00
-	4 times per week	\$ 522.21	\$ 346.67
-	-	-	-
600 Gallons	1 time per month	\$ 29.38	\$ 22.68
-	2 times per month	\$ 60.45	\$ 45.35
-	1 time per week	\$ 124.35	\$ 90.70
-	2 times per week	\$ 255.59	\$ 181.39
-	3 times per week	\$ 393.73	\$ 272.09
-	4 times per week	\$ 538.75	\$ 362.78
-	-	-	-
650 Gallons	1 time per month	\$ 33.27	\$ 23.69
-	2 times per month	\$ 68.57	\$ 47.37
-	1 time per week	\$ 141.25	\$ 94.73
-	2 times per week	\$ 290.68	\$ 189.45
-	3 times per week	\$ 448.34	\$ 284.17

Introduced by: City Council (AM 13-31)  
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 Public Hearing:  
 Action:  
 Vote:

-	<del>4 times per week</del>	<del>\$ 614.18</del>	<del>\$ 378.89</del>
-	-	-	-
700 Gallons	1 time per month	\$ 34.36	\$ 24.69
-	<del>2 times per month</del>	<del>\$ 70.79</del>	<del>\$ 49.38</del>
-	1 time per week	\$ 145.79	\$ 98.75
-	<del>2 times per week</del>	<del>\$ 299.93</del>	<del>\$ 197.50</del>
-	<del>3 times per week</del>	<del>\$ 406.58</del>	<del>\$ 296.25</del>
-	<del>4 times per week</del>	<del>\$ 633.40</del>	<del>\$ 395.00</del>
-	-	-	-
750 Gallons	1 time per month	\$ 35.48	\$ 25.70
-	<del>2 times per month</del>	<del>\$ 73.08</del>	<del>\$ 51.39</del>
-	1 time per week	\$ 150.47	\$ 102.78
-	<del>2 times per week</del>	<del>\$ 309.48</del>	<del>\$ 205.56</del>
-	<del>3 times per week</del>	<del>\$ 477.08</del>	<del>\$ 308.34</del>
-	<del>4 times per week</del>	<del>\$ 653.21</del>	<del>\$ 411.12</del>
-	-	-	-
800 Gallons	1 time per month	\$ 40.81	\$ 26.70
-	<del>2 times per month</del>	<del>\$ 84.29</del>	<del>\$ 53.39</del>
-	1 time per week	\$ 173.79	\$ 106.77
-	<del>2 times per week</del>	<del>\$ 358.05</del>	<del>\$ 213.53</del>
-	<del>3 times per week</del>	<del>\$ 552.79</del>	<del>\$ 320.29</del>
-	<del>4 times per week</del>	<del>\$ 749.30</del>	<del>\$ 427.06</del>
-	-	-	-
850 Gallons	1 time per month	\$ 42.14	\$ 27.70
-	<del>2 times per month</del>	<del>\$ 86.99</del>	<del>\$ 55.40</del>
-	1 time per week	\$ 179.29	\$ 110.80
-	<del>2 times per week</del>	<del>\$ 369.29</del>	<del>\$ 221.59</del>
-	<del>3 times per week</del>	<del>\$ 569.99</del>	<del>\$ 332.38</del>
-	<del>4 times per week</del>	<del>\$ 781.39</del>	<del>\$ 443.17</del>

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
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 Vote:

-	-	-	-
<del>900 Gallons</del>	<del>1 time per month</del>	<del>\$ 43.50</del>	<del>\$ 28.71</del>
-	<del>2 times per month</del>	<del>\$ 89.76</del>	<del>\$ 57.41</del>
-	<del>1 time per week</del>	<del>\$ 184.94</del>	<del>\$ 114.82</del>
-	<del>2 times per week</del>	<del>\$ 380.82</del>	<del>\$ 229.64</del>
-	<del>3 times per week</del>	<del>\$ 587.63</del>	<del>\$ 344.46</del>
-	<del>4 times per week</del>	<del>\$ 805.36</del>	<del>\$ 459.28</del>
-	-	-	-
<del>1,000 Gallons</del>	<del>1 time per month</del>	<del>\$ 46.32</del>	<del>\$ 30.72</del>
-	<del>2 times per month</del>	<del>\$ 95.51</del>	<del>\$ 61.44</del>
-	<del>1 time per week</del>	<del>\$ 196.69</del>	<del>\$ 122.88</del>
-	<del>2 times per week</del>	<del>\$ 404.76</del>	<del>\$ 245.76</del>
-	<del>3 times per week</del>	<del>\$ 624.22</del>	<del>\$ 368.63</del>
-	<del>4 times per week</del>	<del>\$ 855.04</del>	<del>\$ 491.51</del>
-	-	-	-
<del>1,200 Gallons</del>	<del>1 time per month</del>	<del>\$ 55.45</del>	<del>\$ 34.74</del>
-	<del>2 times per month</del>	<del>\$ 114.54</del>	<del>\$ 69.48</del>
-	<del>1 time per week</del>	<del>\$ 236.29</del>	<del>\$ 138.95</del>
-	<del>2 times per week</del>	<del>\$ 487.04</del>	<del>\$ 277.89</del>
-	<del>3 times per week</del>	<del>\$ 751.42</del>	<del>\$ 416.84</del>
-	<del>4 times per week</del>	<del>\$ 1,015.55</del>	<del>\$ 555.78</del>
-	-	-	-
<del>1,400 Gallons</del>	<del>1 time per month</del>	<del>\$ 64.58</del>	<del>\$ 38.76</del>
-	<del>2 times per month</del>	<del>\$ 133.56</del>	<del>\$ 77.51</del>
-	<del>1 time per week</del>	<del>\$ 275.89</del>	<del>\$ 155.02</del>
-	<del>2 times per week</del>	<del>\$ 569.33</del>	<del>\$ 310.03</del>
-	<del>3 times per week</del>	<del>\$ 878.63</del>	<del>\$ 465.05</del>
-	<del>4 times per week</del>	<del>\$ 1,176.05</del>	<del>\$ 620.06</del>
-	-	-	-

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

<del>1,500 Gallons</del>	<del>1 time per month</del>	<del>\$ 78.52</del>	<del>\$ 40.77</del>
-	<del>2 times per month</del>	<del>\$ 157.04</del>	<del>\$ 81.54</del>
-	<del>1 time per week</del>	<del>\$ 314.08</del>	<del>\$ 163.08</del>
-	<del>2 times per week</del>	<del>\$ 628.15</del>	<del>\$ 326.15</del>
-	<del>3 times per week</del>	<del>\$ 942.23</del>	<del>\$ 489.22</del>
-	<del>4 times per week</del>	<del>\$ 1,256.30</del>	<del>\$ 652.29</del>
-	-	-	-
<del>1,750 Gallons</del>	<del>1 time per month</del>	<del>\$ 89.84</del>	<del>\$ 45.80</del>
-	<del>2 times per month</del>	<del>\$ 179.67</del>	<del>\$ 91.59</del>
-	<del>1 time per week</del>	<del>\$ 359.35</del>	<del>\$ 183.17</del>
-	<del>2 times per week</del>	<del>\$ 718.69</del>	<del>\$ 366.34</del>
-	<del>3 times per week</del>	<del>\$ 1,078.03</del>	<del>\$ 549.51</del>
-	<del>4 times per week</del>	<del>\$ 1,437.37</del>	<del>\$ 732.68</del>
-	-	-	-
<del>2,000 Gallons</del>	<del>1 time per month</del>	<del>\$ 101.16</del>	<del>\$ 50.82</del>
-	<del>2 times per month</del>	<del>\$ 202.31</del>	<del>\$ 101.64</del>
-	<del>1 time per week</del>	<del>\$ 404.62</del>	<del>\$ 203.27</del>
-	<del>2 times per week</del>	<del>\$ 809.23</del>	<del>\$ 406.54</del>
-	<del>3 times per week</del>	<del>\$ 1,213.84</del>	<del>\$ 609.80</del>
-	<del>4 times per week</del>	<del>\$ 1,618.44</del>	<del>\$ 813.07</del>
-	-	-	-
<del>2,500 Gallons</del>	<del>1 time per month</del>	<del>\$ 123.79</del>	<del>\$ 60.87</del>
-	<del>2 times per month</del>	<del>\$ 247.58</del>	<del>\$ 121.74</del>
-	<del>1 time per week</del>	<del>\$ 495.15</del>	<del>\$ 243.47</del>
-	<del>2 times per week</del>	<del>\$ 990.30</del>	<del>\$ 486.93</del>
-	<del>3 times per week</del>	<del>\$ 1,485.45</del>	<del>\$ 730.39</del>
-	<del>4 times per week</del>	<del>\$ 1,980.59</del>	<del>\$ 973.85</del>
-	-	-	-
<del>3,000 Gallons</del>	<del>1 time per month</del>	<del>\$ 146.42</del>	<del>\$ 70.92</del>

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

-	2 times per month	\$ 292.85	\$ 141.83
-	1 time per week	\$ 585.69	\$ 283.66
-	2 times per week	\$ 1,171.38	\$ 567.32
-	3 times per week	\$ 1,757.06	\$ 850.97
-	4 times per week	\$ 2,342.74	\$ 1,134.63
-	-	-	-
3,500 Gallons	1 time per month	\$ 169.06	\$ 80.97
-	2 times per month	\$ 338.11	\$ 161.93
-	1 time per week	\$ 676.23	\$ 323.86
-	2 times per week	\$ 1,352.45	\$ 647.71
-	3 times per week	\$ 2,028.68	\$ 971.56
-	4 times per week	\$ 2,704.89	\$ 1,295.41

A. Hauled water delivery services for zone one, involving the following capacities, frequencies, extra call charges and rates are:

Zone 1 Hauled Water Rates

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 1, Hauled Water FY2014 Through June 30, 2014**

Capacity	1 time/month	2 times/month	1 time per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$18.71	\$32.58	\$64.95	\$125.07	\$185.19	\$245.30	-
150	\$20.05	\$35.26	\$70.77	\$136.70	\$202.63	\$268.57	-
200	\$21.39	\$37.95	\$76.58	\$148.33	\$220.08	\$291.83	\$66.15
250	\$22.73	\$40.63	\$82.40	\$159.97	\$237.53	\$315.10	\$67.49
300	\$24.08	\$43.32	\$88.22	\$171.60	\$254.98	\$338.36	\$68.83
350	\$25.42	\$46.00	\$94.03	\$183.23	\$272.43	\$361.63	\$70.17
400	\$26.76	\$48.69	\$99.85	\$194.86	\$289.88	\$384.89	\$71.52
450	\$28.10	\$51.37	\$105.66	\$206.49	\$307.32	\$408.15	\$72.86
500	\$29.44	\$54.06	\$111.48	\$218.13	\$324.77	\$431.42	\$74.20
550	\$30.79	\$56.74	\$117.30	\$229.76	\$342.22	\$454.68	\$75.54
600	\$32.13	\$59.42	\$123.11	\$241.39	\$359.67	\$477.95	\$76.88
650	\$33.47	\$62.11	\$128.93	\$253.02	\$377.12	\$501.21	\$78.23
700	\$34.81	\$64.79	\$134.74	\$264.65	\$394.56	\$524.47	\$79.57
750	\$36.16	\$67.48	\$140.56	\$276.29	\$412.01	\$547.74	\$80.91
800	\$37.50	\$70.16	\$146.38	\$287.92	\$429.46	\$571.00	\$82.25
850	\$38.84	\$72.85	\$152.19	\$299.55	\$446.91	\$594.27	\$83.60
900	\$40.18	\$75.53	\$158.01	\$311.18	\$464.36	\$617.53	\$84.94
1000	\$42.87	\$80.90	\$169.64	\$334.45	\$499.25	\$664.06	\$87.62
1200	\$48.23	\$91.64	\$192.90	\$380.98	\$569.05	\$757.12	\$92.99
1400	\$53.60	\$102.37	\$216.17	\$427.50	\$638.84	\$850.17	\$98.36
1500	\$56.29	\$107.74	\$227.80	\$450.77	\$673.73	\$896.70	\$101.04
1750	\$63.00	\$121.16	\$256.88	\$508.93	\$760.98	\$1,013.02	\$107.75
2000	\$69.71	\$134.59	\$285.96	\$567.09	\$848.22	\$1,129.34	\$114.47
2500	\$83.13	\$161.43	\$344.12	\$683.41	\$1,022.70	\$1,361.99	\$127.89
3000	\$96.55	\$188.27	\$402.28	\$799.73	\$1,197.18	\$1,594.63	\$141.31
3500	\$109.97	\$215.12	\$460.44	\$916.05	\$1,371.66	\$1,827.27	\$154.73
4000	\$134.59	\$264.34	\$567.09	\$1,129.34	\$1,691.60	\$2,253.85	\$224.10
5000	\$161.43	\$318.02	\$683.41	\$1,361.99	\$2,040.56	\$2,719.14	\$250.94
6000	\$188.27	\$371.71	\$799.73	\$1,594.63	\$2,389.53	\$3,184.42	\$277.78
7000	\$215.12	\$425.40	\$916.05	\$1,827.27	\$2,738.49	\$3,649.71	\$304.63

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 1, Hauled Water FY2015 July 1, 2014 through June 30, 2015**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$20.20	\$35.19	\$70.15	\$135.07	\$200.00	\$264.93	
150	\$21.65	\$38.09	\$76.43	\$147.64	\$218.85	\$290.05	
200	\$23.10	\$40.99	\$82.71	\$160.20	\$237.69	\$315.18	\$71.44
250	\$24.55	\$43.88	\$88.99	\$172.76	\$256.53	\$340.30	\$72.89
300	\$26.00	\$46.78	\$95.27	\$185.33	\$275.38	\$365.43	\$74.34
350	\$27.45	\$49.68	\$101.55	\$197.89	\$294.22	\$390.56	\$75.79
400	\$28.90	\$52.58	\$107.84	\$210.45	\$313.07	\$415.68	\$77.24
450	\$30.35	\$55.48	\$114.12	\$223.01	\$331.91	\$440.81	\$78.69
500	\$31.80	\$58.38	\$120.40	\$235.58	\$350.75	\$465.93	\$80.14
550	\$33.25	\$61.28	\$126.68	\$248.14	\$369.60	\$491.06	\$81.59
600	\$34.70	\$64.18	\$132.96	\$260.70	\$388.44	\$516.18	\$83.04
650	\$36.15	\$67.08	\$139.24	\$273.26	\$407.29	\$541.31	\$84.48
700	\$37.60	\$69.98	\$145.52	\$285.83	\$426.13	\$566.43	\$85.93
750	\$39.05	\$72.87	\$151.80	\$298.39	\$444.97	\$591.56	\$87.38
800	\$40.50	\$75.77	\$158.09	\$310.95	\$463.82	\$616.68	\$88.83
850	\$41.95	\$78.67	\$164.37	\$323.51	\$482.66	\$641.81	\$90.28
900	\$43.40	\$81.57	\$170.65	\$336.08	\$501.51	\$666.93	\$91.73
1000	\$46.30	\$87.37	\$183.21	\$361.20	\$539.19	\$717.18	\$94.63
1200	\$52.09	\$98.97	\$208.34	\$411.45	\$614.57	\$817.69	\$100.43
1400	\$57.89	\$110.56	\$233.46	\$461.70	\$689.95	\$918.19	\$106.23
1500	\$60.79	\$116.36	\$246.02	\$486.83	\$727.63	\$968.44	\$109.13
1750	\$68.04	\$130.86	\$277.43	\$549.64	\$821.85	\$1,094.06	\$116.37
2000	\$75.29	\$145.35	\$308.84	\$612.46	\$916.07	\$1,219.69	\$123.62
2500	\$89.78	\$174.34	\$371.65	\$738.08	\$1,104.51	\$1,470.95	\$138.12
3000	\$104.28	\$203.33	\$434.47	\$863.71	\$1,292.95	\$1,722.20	\$152.61
3500	\$118.77	\$232.32	\$497.28	\$989.34	\$1,481.39	\$1,973.45	\$167.11
4000	\$145.35	\$285.48	\$612.46	\$1,219.69	\$1,826.93	\$2,434.16	\$242.02
5000	\$174.34	\$343.46	\$738.08	\$1,470.95	\$2,203.81	\$2,936.67	\$271.02
6000	\$203.33	\$401.45	\$863.71	\$1,722.20	\$2,580.69	\$3,439.18	\$300.01
7000	\$232.32	\$459.43	\$989.34	\$1,973.45	\$2,957.57	\$3,941.68	\$329.00

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 1, Hauled Water FY2016 July 1, 2015 through June 30, 2016**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$21.82	\$38.00	\$75.76	\$145.88	\$216.00	\$286.12	
150	\$23.39	\$41.13	\$82.54	\$159.45	\$236.35	\$313.26	
200	\$24.95	\$44.26	\$89.33	\$173.02	\$256.70	\$340.39	\$77.15
250	\$26.52	\$47.39	\$96.11	\$186.58	\$277.06	\$367.53	\$78.72
300	\$28.08	\$50.53	\$102.89	\$200.15	\$297.41	\$394.66	\$80.29
350	\$29.65	\$53.66	\$109.68	\$213.72	\$317.76	\$421.80	\$81.85
400	\$31.21	\$56.79	\$116.46	\$227.29	\$338.11	\$448.93	\$83.42
450	\$32.78	\$59.92	\$123.25	\$240.85	\$358.46	\$476.07	\$84.98
500	\$34.34	\$63.05	\$130.03	\$254.42	\$378.81	\$503.21	\$86.55
550	\$35.91	\$66.18	\$136.81	\$267.99	\$399.17	\$530.34	\$88.11
600	\$37.48	\$69.31	\$143.60	\$281.56	\$419.52	\$557.48	\$89.68
650	\$39.04	\$72.44	\$150.38	\$295.13	\$439.87	\$584.61	\$91.24
700	\$40.61	\$75.57	\$157.17	\$308.69	\$460.22	\$611.75	\$92.81
750	\$42.17	\$78.70	\$163.95	\$322.26	\$480.57	\$638.88	\$94.37
800	\$43.74	\$81.84	\$170.73	\$335.83	\$500.92	\$666.02	\$95.94
850	\$45.30	\$84.97	\$177.52	\$349.40	\$521.27	\$693.15	\$97.51
900	\$46.87	\$88.10	\$184.30	\$362.96	\$541.63	\$720.29	\$99.07
1000	\$50.00	\$94.36	\$197.87	\$390.10	\$582.33	\$774.56	\$102.20
1200	\$56.26	\$106.88	\$225.00	\$444.37	\$663.74	\$883.10	\$108.46
1400	\$62.52	\$119.41	\$252.14	\$498.64	\$745.14	\$991.64	\$114.73
1500	\$65.65	\$125.67	\$265.71	\$525.78	\$785.84	\$1,045.91	\$117.86
1750	\$73.48	\$141.32	\$299.63	\$593.61	\$887.60	\$1,181.59	\$125.68
2000	\$81.31	\$156.98	\$333.55	\$661.45	\$989.36	\$1,317.27	\$133.51
2500	\$96.96	\$188.29	\$401.38	\$797.13	\$1,192.88	\$1,588.62	\$149.17
3000	\$112.62	\$219.60	\$469.22	\$932.81	\$1,396.39	\$1,859.97	\$164.82
3500	\$128.27	\$250.91	\$537.06	\$1,068.48	\$1,599.91	\$2,131.33	\$180.48
4000	\$156.98	\$308.32	\$661.45	\$1,317.27	\$1,973.08	\$2,628.90	\$261.39
5000	\$188.29	\$370.94	\$797.13	\$1,588.62	\$2,380.11	\$3,171.60	\$292.70
6000	\$219.60	\$433.56	\$932.81	\$1,859.97	\$2,787.14	\$3,714.31	\$324.01
7000	\$250.91	\$496.18	\$1,068.48	\$2,131.33	\$3,194.17	\$4,257.02	\$355.32

Introduced by: City Council (AM 13-31)

Date: April 22, 2014

Public Hearing:

Action:

Vote:

**Monthly Rates Zone 1, Hauled Water FY2017 July 1, 2016 through June 30, 2017**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$22.69	\$39.52	\$78.79	\$151.72	\$224.64	\$297.57	.
150	\$24.32	\$42.78	\$85.84	\$165.83	\$245.81	\$325.79	.
200	\$25.95	\$46.03	\$92.90	\$179.94	\$266.97	\$354.01	\$80.24
250	\$27.58	\$49.29	\$99.96	\$194.05	\$288.14	\$382.23	\$81.87
300	\$29.21	\$52.55	\$107.01	\$208.16	\$309.30	\$410.45	\$83.50
350	\$30.83	\$55.80	\$114.07	\$222.27	\$330.47	\$438.67	\$85.12
400	\$32.46	\$59.06	\$121.12	\$236.38	\$351.64	\$466.89	\$86.75
450	\$34.09	\$62.32	\$128.18	\$250.49	\$372.80	\$495.11	\$88.38
500	\$35.72	\$65.57	\$135.23	\$264.60	\$393.97	\$523.33	\$90.01
550	\$37.35	\$68.83	\$142.29	\$278.71	\$415.13	\$551.55	\$91.64
600	\$38.97	\$72.08	\$149.34	\$292.82	\$436.30	\$579.78	\$93.27
650	\$40.60	\$75.34	\$156.40	\$306.93	\$457.46	\$608.00	\$94.89
700	\$42.23	\$78.60	\$163.45	\$321.04	\$478.63	\$636.22	\$96.52
750	\$43.86	\$81.85	\$170.51	\$335.15	\$499.79	\$664.44	\$98.15
800	\$45.49	\$85.11	\$177.56	\$349.26	\$520.96	\$692.66	\$99.78
850	\$47.11	\$88.37	\$184.62	\$363.37	\$542.13	\$720.88	\$101.41
900	\$48.74	\$91.62	\$191.67	\$377.48	\$563.29	\$749.10	\$103.03
1000	\$52.00	\$98.13	\$205.78	\$405.70	\$605.62	\$805.54	\$106.29
1200	\$58.51	\$111.16	\$234.00	\$462.14	\$690.28	\$918.42	\$112.80
1400	\$65.02	\$124.18	\$262.22	\$518.59	\$774.95	\$1,031.31	\$119.32
1500	\$68.28	\$130.70	\$276.34	\$546.81	\$817.28	\$1,087.75	\$122.57
1750	\$76.42	\$146.98	\$311.61	\$617.36	\$923.11	\$1,228.85	\$130.71
2000	\$84.56	\$163.26	\$346.89	\$687.91	\$1,028.93	\$1,369.96	\$138.85
2500	\$100.84	\$195.82	\$417.44	\$829.01	\$1,240.59	\$1,652.17	\$155.13
3000	\$117.12	\$228.38	\$487.99	\$970.12	\$1,452.25	\$1,934.37	\$171.42
3500	\$133.41	\$260.95	\$558.54	\$1,111.22	\$1,663.90	\$2,216.58	\$187.70
4000	\$163.26	\$320.65	\$687.91	\$1,369.96	\$2,052.00	\$2,734.05	\$271.84
5000	\$195.82	\$385.78	\$829.01	\$1,652.17	\$2,475.32	\$3,298.47	\$304.40
6000	\$228.38	\$450.90	\$970.12	\$1,934.37	\$2,898.63	\$3,862.88	\$336.97
7000	\$260.95	\$516.03	\$1,111.22	\$2,216.58	\$3,321.94	\$4,427.30	\$369.53

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 1, Hauled Water FY2018 July 1, 2017 through June 30, 2018**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$23.60	\$41.10	\$81.94	\$157.78	\$233.63	\$309.47	.
150	\$25.29	\$44.49	\$89.28	\$172.46	\$255.64	\$338.82	.
200	\$26.99	\$47.88	\$96.62	\$187.13	\$277.65	\$368.17	\$83.45
250	\$28.68	\$51.26	\$103.95	\$201.81	\$299.66	\$397.52	\$85.14
300	\$30.37	\$54.65	\$111.29	\$216.48	\$321.68	\$426.87	\$86.84
350	\$32.07	\$58.04	\$118.63	\$231.16	\$343.69	\$456.22	\$88.53
400	\$33.76	\$61.42	\$125.97	\$245.83	\$365.70	\$485.57	\$90.22
450	\$35.45	\$64.81	\$133.30	\$260.51	\$387.71	\$514.92	\$91.92
500	\$37.15	\$68.19	\$140.64	\$275.18	\$409.72	\$544.27	\$93.61
550	\$38.84	\$71.58	\$147.98	\$289.86	\$431.74	\$573.62	\$95.30
600	\$40.53	\$74.97	\$155.32	\$304.53	\$453.75	\$602.97	\$97.00
650	\$42.23	\$78.35	\$162.65	\$319.21	\$475.76	\$632.32	\$98.69
700	\$43.92	\$81.74	\$169.99	\$333.88	\$497.77	\$661.67	\$100.38
750	\$45.61	\$85.13	\$177.33	\$348.56	\$519.79	\$691.02	\$102.08
800	\$47.31	\$88.51	\$184.66	\$363.23	\$541.80	\$720.36	\$103.77
850	\$49.00	\$91.90	\$192.00	\$377.91	\$563.81	\$749.71	\$105.46
900	\$50.69	\$95.29	\$199.34	\$392.58	\$585.82	\$779.06	\$107.16
1000	\$54.08	\$102.06	\$214.01	\$421.93	\$629.85	\$837.76	\$110.54
1200	\$60.85	\$115.61	\$243.36	\$480.63	\$717.90	\$955.16	\$117.31
1400	\$67.62	\$129.15	\$272.71	\$539.33	\$805.94	\$1,072.56	\$124.09
1500	\$71.01	\$135.92	\$287.39	\$568.68	\$849.97	\$1,131.26	\$127.47
1750	\$79.48	\$152.86	\$324.08	\$642.05	\$960.03	\$1,278.01	\$135.94
2000	\$87.94	\$169.79	\$360.76	\$715.43	\$1,070.09	\$1,424.76	\$144.41
2500	\$104.88	\$203.65	\$434.14	\$862.18	\$1,290.21	\$1,718.25	\$161.34
3000	\$121.81	\$237.52	\$507.51	\$1,008.92	\$1,510.34	\$2,011.75	\$178.27
3500	\$138.74	\$271.38	\$580.88	\$1,155.67	\$1,730.46	\$2,305.24	\$195.20
4000	\$169.79	\$333.48	\$715.43	\$1,424.76	\$2,134.08	\$2,843.41	\$282.72
5000	\$203.65	\$401.21	\$862.18	\$1,718.25	\$2,574.33	\$3,430.41	\$316.58
6000	\$237.52	\$468.94	\$1,008.92	\$2,011.75	\$3,014.57	\$4,017.40	\$350.45
7000	\$271.38	\$536.67	\$1,155.67	\$2,305.24	\$3,454.82	\$4,604.39	\$384.31

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

B. Hauled water delivery services for zone two, involving the following capacities, frequencies, extra call charges and rates are:

**Zone 2 Hauled Water Rates**

**Monthly Rates Zone 2, Hauled Water FY2014 Through June 30, 2014**

<u>Capacity</u>	<u>1 time/month</u>	<u>2 times/month</u>	<u>1 times per week</u>	<u>2 times/week</u>	<u>3 times/week</u>	<u>4 times/week</u>	<u>Extra Call/delivery</u>
100	\$29.90	\$54.96	\$113.44	\$222.04	\$330.64	\$439.25	-
150	\$31.24	\$57.64	\$119.25	\$233.67	\$348.09	\$462.51	-
200	\$32.58	\$60.33	\$125.07	\$245.30	\$365.54	\$485.77	\$122.09
250	\$33.92	\$63.01	\$130.89	\$256.94	\$382.99	\$509.04	\$123.43
300	\$35.26	\$65.70	\$136.70	\$268.57	\$400.44	\$532.30	\$124.78
350	\$36.61	\$68.38	\$142.52	\$280.20	\$417.88	\$555.57	\$126.12
400	\$37.95	\$71.06	\$148.33	\$291.83	\$435.33	\$578.83	\$127.46
450	\$39.29	\$73.75	\$154.15	\$303.46	\$452.78	\$602.10	\$128.80
500	\$40.63	\$76.43	\$159.97	\$315.10	\$470.23	\$625.36	\$130.14
550	\$41.98	\$79.12	\$165.78	\$326.73	\$487.68	\$648.62	\$131.49
600	\$43.32	\$81.80	\$171.60	\$338.36	\$505.12	\$671.89	\$132.83
650	\$44.66	\$84.49	\$177.41	\$349.99	\$522.57	\$695.15	\$134.17
700	\$46.00	\$87.17	\$183.23	\$361.63	\$540.02	\$718.42	\$135.51
750	\$47.34	\$89.85	\$189.05	\$373.26	\$557.47	\$741.68	\$136.86
800	\$48.69	\$92.54	\$194.86	\$384.89	\$574.92	\$764.94	\$138.20
850	\$50.03	\$95.22	\$200.68	\$396.52	\$592.37	\$788.21	\$139.54
900	\$51.37	\$97.91	\$206.49	\$408.15	\$609.81	\$811.47	\$140.88
1000	\$54.06	\$103.28	\$218.13	\$431.42	\$644.71	\$858.00	\$143.57
1200	\$59.42	\$114.01	\$241.39	\$477.95	\$714.50	\$951.06	\$148.94
1400	\$64.79	\$124.75	\$264.65	\$524.47	\$784.29	\$1,044.12	\$154.30
1500	\$67.48	\$130.12	\$276.29	\$547.74	\$819.19	\$1,090.64	\$156.99
1750	\$74.19	\$143.54	\$305.37	\$605.90	\$906.43	\$1,206.96	\$163.70
2000	\$80.90	\$156.96	\$334.45	\$664.06	\$993.67	\$1,323.29	\$170.41
2500	\$94.32	\$183.81	\$392.61	\$780.38	\$1,168.15	\$1,555.93	\$183.83
3000	\$107.74	\$210.65	\$450.77	\$896.70	\$1,342.64	\$1,788.57	\$197.25
3500	\$121.16	\$237.49	\$508.93	\$1,013.02	\$1,517.12	\$2,021.21	\$210.67
4000	\$156.96	\$309.09	\$664.06	\$1,323.29	\$1,982.51	\$2,641.74	\$335.99
5000	\$183.81	\$362.78	\$780.38	\$1,555.93	\$2,331.48	\$3,107.02	\$362.83
6000	\$210.65	\$416.47	\$896.70	\$1,788.57	\$2,680.44	\$3,572.31	\$389.67
7000	\$237.49	\$470.15	\$1,013.02	\$2,021.21	\$3,029.40	\$4,037.59	\$416.52

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 2, Hauled Water FY2015 July 1, 2014 through June 30, 2015**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$32.29	\$59.35	\$122.51	\$239.80	\$357.09	\$474.39	-
150	\$33.74	\$62.25	\$128.79	\$252.37	\$375.94	\$499.51	-
200	\$35.19	\$65.15	\$135.07	\$264.93	\$394.78	\$524.64	\$131.86
250	\$36.64	\$68.05	\$141.36	\$277.49	\$413.63	\$549.76	\$133.31
300	\$38.09	\$70.95	\$147.64	\$290.05	\$432.47	\$574.89	\$134.76
350	\$39.54	\$73.85	\$153.92	\$302.62	\$451.31	\$600.01	\$136.21
400	\$40.99	\$76.75	\$160.20	\$315.18	\$470.16	\$625.14	\$137.66
450	\$42.43	\$79.65	\$166.48	\$327.74	\$489.00	\$650.26	\$139.11
500	\$43.88	\$82.55	\$172.76	\$340.30	\$507.85	\$675.39	\$140.56
550	\$45.33	\$85.45	\$179.04	\$352.87	\$526.69	\$700.51	\$142.01
600	\$46.78	\$88.35	\$185.33	\$365.43	\$545.53	\$725.64	\$143.46
650	\$48.23	\$91.24	\$191.61	\$377.99	\$564.38	\$750.76	\$144.91
700	\$49.68	\$94.14	\$197.89	\$390.56	\$583.22	\$775.89	\$146.35
750	\$51.13	\$97.04	\$204.17	\$403.12	\$602.07	\$801.01	\$147.80
800	\$52.58	\$99.94	\$210.45	\$415.68	\$620.91	\$826.14	\$149.25
850	\$54.03	\$102.84	\$216.73	\$428.24	\$639.75	\$851.27	\$150.70
900	\$55.48	\$105.74	\$223.01	\$440.81	\$658.60	\$876.39	\$152.15
1000	\$58.38	\$111.54	\$235.58	\$465.93	\$696.29	\$926.64	\$155.05
1200	\$64.18	\$123.13	\$260.70	\$516.18	\$771.66	\$1,027.14	\$160.85
1400	\$69.98	\$134.73	\$285.83	\$566.43	\$847.04	\$1,127.64	\$166.65
1500	\$72.87	\$140.53	\$298.39	\$591.56	\$884.73	\$1,177.90	\$169.55
1750	\$80.12	\$155.02	\$329.80	\$654.37	\$978.95	\$1,303.52	\$176.80
2000	\$87.37	\$169.52	\$361.20	\$717.18	\$1,073.17	\$1,429.15	\$184.04
2500	\$101.87	\$198.51	\$424.02	\$842.81	\$1,261.61	\$1,680.40	\$198.54
3000	\$116.36	\$227.50	\$486.83	\$968.44	\$1,450.05	\$1,931.66	\$213.03
3500	\$130.86	\$256.49	\$549.64	\$1,094.06	\$1,638.49	\$2,182.91	\$227.53
4000	\$169.52	\$333.82	\$717.18	\$1,429.15	\$2,141.11	\$2,853.08	\$362.86
5000	\$198.51	\$391.80	\$842.81	\$1,680.40	\$2,517.99	\$3,355.58	\$391.86
6000	\$227.50	\$449.78	\$968.44	\$1,931.66	\$2,894.87	\$3,858.09	\$420.85
7000	\$256.49	\$507.76	\$1,094.06	\$2,182.91	\$3,271.75	\$4,360.60	\$449.84

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 2, Hauled Water FY2016 July 1, 2015 through June 30, 2016**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$34.87	\$64.10	\$132.31	\$258.99	\$385.66	\$512.34	
150	\$36.44	\$67.23	\$139.10	\$272.55	\$406.01	\$539.47	
200	\$38.00	\$70.37	\$145.88	\$286.12	\$426.36	\$566.61	\$142.41
250	\$39.57	\$73.50	\$152.66	\$299.69	\$446.72	\$593.74	\$143.97
300	\$41.13	\$76.63	\$159.45	\$313.26	\$467.07	\$620.88	\$145.54
350	\$42.70	\$79.76	\$166.23	\$326.83	\$487.42	\$648.01	\$147.10
400	\$44.26	\$82.89	\$173.02	\$340.39	\$507.77	\$675.15	\$148.67
450	\$45.83	\$86.02	\$179.80	\$353.96	\$528.12	\$702.28	\$150.24
500	\$47.39	\$89.15	\$186.58	\$367.53	\$548.47	\$729.42	\$151.80
550	\$48.96	\$92.28	\$193.37	\$381.10	\$568.83	\$756.55	\$153.37
600	\$50.53	\$95.41	\$200.15	\$394.66	\$589.18	\$783.69	\$154.93
650	\$52.09	\$98.54	\$206.94	\$408.23	\$609.53	\$810.83	\$156.50
700	\$53.66	\$101.68	\$213.72	\$421.80	\$629.88	\$837.96	\$158.06
750	\$55.22	\$104.81	\$220.50	\$435.37	\$650.23	\$865.10	\$159.63
800	\$56.79	\$107.94	\$227.29	\$448.93	\$670.58	\$892.23	\$161.19
850	\$58.35	\$111.07	\$234.07	\$462.50	\$690.93	\$919.37	\$162.76
900	\$59.92	\$114.20	\$240.85	\$476.07	\$711.29	\$946.50	\$164.33
1000	\$63.05	\$120.46	\$254.42	\$503.21	\$751.99	\$1,000.77	\$167.46
1200	\$69.31	\$132.99	\$281.56	\$557.48	\$833.40	\$1,109.31	\$173.72
1400	\$75.57	\$145.51	\$308.69	\$611.75	\$914.80	\$1,217.86	\$179.98
1500	\$78.70	\$151.77	\$322.26	\$638.88	\$955.50	\$1,272.13	\$183.11
1750	\$86.53	\$167.43	\$356.18	\$706.72	\$1,057.26	\$1,407.80	\$190.94
2000	\$94.36	\$183.08	\$390.10	\$774.56	\$1,159.02	\$1,543.48	\$198.77
2500	\$110.01	\$214.39	\$457.94	\$910.24	\$1,362.54	\$1,814.83	\$214.42
3000	\$125.67	\$245.70	\$525.78	\$1,045.91	\$1,566.05	\$2,086.19	\$230.08
3500	\$141.32	\$277.01	\$593.61	\$1,181.59	\$1,769.57	\$2,357.54	\$245.73
4000	\$183.08	\$360.52	\$774.56	\$1,543.48	\$2,312.40	\$3,081.32	\$391.89
5000	\$214.39	\$423.15	\$910.24	\$1,814.83	\$2,719.43	\$3,624.03	\$423.20
6000	\$245.70	\$485.77	\$1,045.91	\$2,086.19	\$3,126.46	\$4,166.74	\$454.51
7000	\$277.01	\$548.39	\$1,181.59	\$2,357.54	\$3,533.49	\$4,709.45	\$485.82

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates Zone 2, Hauled Water FY2017 July 1, 2016 through June 30, 2017**

Capacity	<u>1</u> time/month	<u>2</u> times/month	<u>1 times</u> per week	<u>2</u> times/week	<u>3</u> times/week	<u>4</u> times/week	Extra Call/delivery
100	\$36.27	\$66.67	\$137.61	\$269.35	\$401.09	\$532.83	-
150	\$37.89	\$69.92	\$144.66	\$283.46	\$422.25	\$561.05	-
200	\$39.52	\$73.18	\$151.72	\$297.57	\$443.42	\$589.27	\$148.10
250	\$41.15	\$76.44	\$158.77	\$311.68	\$464.58	\$617.49	\$149.73
300	\$42.78	\$79.69	\$165.83	\$325.79	\$485.75	\$645.71	\$151.36
350	\$44.41	\$82.95	\$172.88	\$339.90	\$506.92	\$673.93	\$152.99
400	\$46.03	\$86.20	\$179.94	\$354.01	\$528.08	\$702.15	\$154.62
450	\$47.66	\$89.46	\$186.99	\$368.12	\$549.25	\$730.38	\$156.25
500	\$49.29	\$92.72	\$194.05	\$382.23	\$570.41	\$758.60	\$157.87
550	\$50.92	\$95.97	\$201.10	\$396.34	\$591.58	\$786.82	\$159.50
600	\$52.55	\$99.23	\$208.16	\$410.45	\$612.74	\$815.04	\$161.13
650	\$54.17	\$102.49	\$215.21	\$424.56	\$633.91	\$843.26	\$162.76
700	\$55.80	\$105.74	\$222.27	\$438.67	\$655.08	\$871.48	\$164.39
750	\$57.43	\$109.00	\$229.32	\$452.78	\$676.24	\$899.70	\$166.01
800	\$59.06	\$112.25	\$236.38	\$466.89	\$697.41	\$927.92	\$167.64
850	\$60.69	\$115.51	\$243.43	\$481.00	\$718.57	\$956.14	\$169.27
900	\$62.32	\$118.77	\$250.49	\$495.11	\$739.74	\$984.36	\$170.90
1000	\$65.57	\$125.28	\$264.60	\$523.33	\$782.07	\$1,040.80	\$174.15
1200	\$72.08	\$138.30	\$292.82	\$579.78	\$866.73	\$1,153.69	\$180.67
1400	\$78.60	\$151.33	\$321.04	\$636.22	\$951.39	\$1,266.57	\$187.18
1500	\$81.85	\$157.84	\$335.15	\$664.44	\$993.72	\$1,323.01	\$190.44
1750	\$89.99	\$174.12	\$370.43	\$734.99	\$1,099.55	\$1,464.12	\$198.58
2000	\$98.13	\$190.40	\$405.70	\$805.54	\$1,205.38	\$1,605.22	\$206.72
2500	\$114.42	\$222.97	\$476.25	\$946.65	\$1,417.04	\$1,887.43	\$223.00
3000	\$130.70	\$255.53	\$546.81	\$1,087.75	\$1,628.69	\$2,169.64	\$239.28
3500	\$146.98	\$288.09	\$617.36	\$1,228.85	\$1,840.35	\$2,451.84	\$255.56
4000	\$190.40	\$374.95	\$805.54	\$1,605.22	\$2,404.90	\$3,204.58	\$407.57
5000	\$222.97	\$440.07	\$946.65	\$1,887.43	\$2,828.21	\$3,768.99	\$440.13
6000	\$255.53	\$505.20	\$1,087.75	\$2,169.64	\$3,251.52	\$4,333.41	\$472.69
7000	\$288.09	\$570.32	\$1,228.85	\$2,451.84	\$3,674.83	\$4,897.82	\$505.26

Introduced by: City Council (AM 13-31)

Date: April 22, 2014

Public Hearing:

Action:

Vote:

**Monthly Rates Zone 2, Hauled Water FY2018 July 1, 2017 through June 30, 2018**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1 times</u> <u>per week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Call/delivery</u>
100	\$37.72	\$69.33	\$143.11	\$280.12	\$417.13	\$554.14	-
150	\$39.41	\$72.72	\$150.45	\$294.80	\$439.14	\$583.49	-
200	\$41.10	\$76.11	\$157.78	\$309.47	\$461.16	\$612.84	\$154.03
250	\$42.80	\$79.49	\$165.12	\$324.15	\$483.17	\$642.19	\$155.72
300	\$44.49	\$82.88	\$172.46	\$338.82	\$505.18	\$671.54	\$157.42
350	\$46.18	\$86.27	\$179.80	\$353.49	\$527.19	\$700.89	\$159.11
400	\$47.88	\$89.65	\$187.13	\$368.17	\$549.21	\$730.24	\$160.80
450	\$49.57	\$93.04	\$194.47	\$382.84	\$571.22	\$759.59	\$162.49
500	\$51.26	\$96.43	\$201.81	\$397.52	\$593.23	\$788.94	\$164.19
550	\$52.96	\$99.81	\$209.15	\$412.19	\$615.24	\$818.29	\$165.88
600	\$54.65	\$103.20	\$216.48	\$426.87	\$637.25	\$847.64	\$167.57
650	\$56.34	\$106.59	\$223.82	\$441.54	\$659.27	\$876.99	\$169.27
700	\$58.04	\$109.97	\$231.16	\$456.22	\$681.28	\$906.34	\$170.96
750	\$59.73	\$113.36	\$238.50	\$470.89	\$703.29	\$935.69	\$172.65
800	\$61.42	\$116.75	\$245.83	\$485.57	\$725.30	\$965.04	\$174.35
850	\$63.11	\$120.13	\$253.17	\$500.24	\$747.32	\$994.39	\$176.04
900	\$64.81	\$123.52	\$260.51	\$514.92	\$769.33	\$1,023.74	\$177.73
1000	\$68.19	\$130.29	\$275.18	\$544.27	\$813.35	\$1,082.44	\$181.12
1200	\$74.97	\$143.84	\$304.53	\$602.97	\$901.40	\$1,199.83	\$187.89
1400	\$81.74	\$157.38	\$333.88	\$661.67	\$989.45	\$1,317.23	\$194.67
1500	\$85.13	\$164.16	\$348.56	\$691.02	\$1,033.47	\$1,375.93	\$198.05
1750	\$93.59	\$181.09	\$385.24	\$764.39	\$1,143.53	\$1,522.68	\$206.52
2000	\$102.06	\$198.02	\$421.93	\$837.76	\$1,253.60	\$1,669.43	\$214.99
2500	\$118.99	\$231.89	\$495.30	\$984.51	\$1,473.72	\$1,962.92	\$231.92
3000	\$135.92	\$265.75	\$568.68	\$1,131.26	\$1,693.84	\$2,256.42	\$248.85
3500	\$152.86	\$299.62	\$642.05	\$1,278.01	\$1,913.96	\$2,549.92	\$265.78
4000	\$198.02	\$389.94	\$837.76	\$1,669.43	\$2,501.09	\$3,332.76	\$423.87
5000	\$231.89	\$457.67	\$984.51	\$1,962.92	\$2,941.34	\$3,919.75	\$457.74
6000	\$265.75	\$525.40	\$1,131.26	\$2,256.42	\$3,381.58	\$4,506.74	\$491.60
7000	\$299.62	\$593.13	\$1,278.01	\$2,549.92	\$3,821.83	\$5,093.74	\$525.47

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

C. Extra Call Rates:

1. Residential/commercial extra call, normal hours, will be as follows:

Capacity	Water	Sewer
200 Gallons	\$71.43	\$65.95
250 Gallons	\$74.05	\$67.20
300 Gallons	\$76.67	\$68.45
350 Gallons	\$79.28	\$69.70
400 Gallons	\$81.90	\$70.95
450 Gallons	\$84.51	\$72.20
500 Gallons	\$87.13	\$73.45
550 Gallons	\$89.75	\$74.68
600 Gallons	\$92.37	\$75.94
650 Gallons	\$94.98	\$77.19
700 Gallons	\$97.59	\$78.43
750 Gallons	\$100.21	\$79.68
800 Gallons	\$102.83	\$80.93
850 Gallons	\$105.45	\$82.17
900 Gallons	\$108.07	\$83.42
1,000 Gallons	\$113.29	\$85.92
1,200 Gallons	\$123.77	\$90.91
1,400 Gallons	\$134.23	\$95.90
1,500 Gallons	\$139.46	\$98.40
1,750 Gallons	\$152.54	\$104.63

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

2,000 Gallons	\$165.63	\$110.88
2,500 Gallons	\$110.88	\$123.35
3,000 Gallons	\$217.97	\$135.83
3,500 Gallons	\$244.13	\$147.40

1. Residential/commercial extra call after hours shall be the normal hours rate plus seventy five dollars (\$75).

D. Rate for deliveries over three thousand five hundred (3,500) gallons calculated using the three thousand five hundred (3,500) gallon rate plus the rate for additional gallons. Examples:

1. The rate for four thousand five hundred (4,500) gallons is the rate for three thousand five hundred (3,500) gallons plus the rate for one thousand (1,000) gallons.

2. The rate for eight thousand (8,000) gallons is two (2) times the three thousand five hundred (3,500) gallon rate plus one thousand (1,000) gallon rate.

E. C. Residential/Commercial Water Delivery Services for Outside Fill. Customers with inside fill shall be charged by the schedule as set by the outside fill rate, and in addition each customer shall be charged a monthly surcharge of fourteen dollars and sixty-three cents (\$14.63) per month. Each inside fill customer is required to have a waiver of liability on file with the finance department.

F. Residential/commercial extra calls from the schedule in subsections (B)(1) and (2) of this section.

G. D. No new services for deliveries more than two (2) times a week shall be established.

H. E. Residential/commercial Piped water rates:

1. Flat rate (nonmetered) Nonmetered: one hundred twenty five dollars and eight cents (\$125.08)

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
<u>Through June 30, 2014</u>	<u>July 1, 2014 – June 30, 2015</u>	<u>July 1, 2015 – June 30, 2016</u>	<u>July 1, 2016 – June 30, 2017</u>	<u>July 1, 2017 – June 30, 2018</u>
\$210.24	\$227.06	\$245.22	\$255.03	\$265.23

2. Residential/commercial Metered service per one thousand (1,000) gallons: ~~twenty-six dollars and fifty cents (\$26.50) per one thousand (1,000) gallons;~~

<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
<u>Through June 30, 2014</u>	<u>July 1, 2014 – June 30, 2015</u>	<u>July 1, 2015 – June 30, 2016</u>	<u>July 1, 2016 – June 30, 2017</u>	<u>July 1, 2017 – June 30, 2018</u>
\$41.35	\$44.66	\$48.23	\$50.16	\$52.16

a. Any nonresidential customer on piped services shall be charged the meter rate.

3. ~~Residential metered service: sixty four dollars (\$64.00) flat rate plus two and six tenths cents (\$0.026) per gallon;~~

4. ~~3. Water service picked up at the pump house per approximate gallon: three cents (\$0.03) per gallon (seventy five cents (\$0.75) per minute approximately three cents (\$0.03) per gallon).~~

<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
<u>Through June 30, 2014</u>	<u>July 1, 2014 – June 30, 2015</u>	<u>July 1, 2015 – June 30, 2016</u>	<u>July 1, 2016 – June 30, 2017</u>	<u>July 1, 2017 – June 30, 2018</u>
\$0.0336	\$0.0362	\$0.0392	\$0.0408	\$0.0424

### **13.16.025 Protection from plumbing failure.**

In cases where a documented plumbing malfunction or breakage occurs in a metered residence, and there is an unusually high water usage, the customer can request a reversal of fees above and beyond an average rate reflecting three (3) months' metered consumption. Such reversal shall be at the discretion of the city administration.

### **13.16.030 Sewage service.**

For the providing of residential/commercial sewage service within the city, the following charges shall be made:

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

A. Hauled sewer evacuation services, involving the following capacities, frequencies, extra haul charges and rates are:

**Monthly Rates, Hauled Sewer FY2014 Through June 30, 2014**

Capacity	<u>1</u> time/month	<u>2</u> times/month	<u>1</u> time/week	<u>2</u> times/week	<u>3</u> times/week	<u>4</u> times/week	Extra Haul
100	\$22.43	\$39.94	\$80.04	\$155.21	\$230.38	\$293.79	-
150	\$23.37	\$41.84	\$84.11	\$163.35	\$242.59	\$309.45	-
200	\$24.32	\$43.73	\$88.18	\$171.49	\$254.80	\$325.11	\$63.11
250	\$25.27	\$45.63	\$92.25	\$179.63	\$267.01	\$340.76	\$64.01
300	\$26.22	\$47.53	\$96.32	\$187.77	\$279.22	\$356.42	\$64.91
350	\$27.17	\$49.42	\$100.39	\$195.91	\$291.44	\$372.08	\$65.82
400	\$28.12	\$51.32	\$104.46	\$204.05	\$303.65	\$387.73	\$66.72
450	\$29.07	\$53.22	\$108.53	\$212.20	\$315.86	\$403.39	\$67.62
500	\$30.01	\$55.11	\$112.60	\$220.34	\$328.07	\$419.05	\$68.53
550	\$30.96	\$57.01	\$116.67	\$228.48	\$340.29	\$434.71	\$69.43
600	\$31.91	\$58.91	\$120.74	\$236.62	\$352.50	\$450.36	\$70.33
650	\$32.86	\$60.81	\$124.81	\$244.76	\$364.71	\$466.02	\$71.24
700	\$33.81	\$62.70	\$128.88	\$252.90	\$376.92	\$481.68	\$72.14
750	\$34.76	\$64.60	\$132.96	\$261.05	\$389.14	\$497.33	\$73.04
800	\$35.70	\$66.50	\$137.03	\$269.19	\$401.35	\$512.99	\$73.95
850	\$36.65	\$68.39	\$141.10	\$277.33	\$413.56	\$528.65	\$74.85
900	\$37.60	\$70.29	\$145.17	\$285.47	\$425.77	\$544.30	\$75.75
1000	\$39.50	\$74.08	\$153.31	\$301.75	\$450.20	\$575.62	\$77.56
1200	\$43.29	\$81.67	\$169.59	\$334.32	\$499.05	\$638.24	\$81.17
1400	\$47.09	\$89.26	\$185.88	\$366.89	\$547.90	\$700.87	\$84.78
1500	\$48.98	\$93.05	\$194.02	\$383.17	\$572.32	\$732.19	\$86.59
1750	\$53.72	\$102.54	\$214.37	\$423.88	\$633.38	\$810.47	\$91.11
2000	\$58.47	\$112.02	\$234.73	\$464.59	\$694.44	\$888.75	\$95.62
2500	\$67.95	\$130.99	\$275.43	\$546.00	\$816.57	\$1,045.32	\$104.66
3000	\$77.44	\$149.96	\$316.14	\$627.42	\$938.69	\$1,201.89	\$113.69
3500	\$86.92	\$168.93	\$356.85	\$708.83	\$1,060.82	\$1,358.46	\$122.72
4000	\$112.02	\$219.13	\$464.59	\$924.30	\$1,384.02	\$1,772.83	\$191.25
5000	\$130.99	\$257.07	\$546.00	\$1,087.14	\$1,628.27	\$2,085.97	\$209.31
6000	\$149.96	\$295.01	\$627.42	\$1,249.97	\$1,872.52	\$2,399.11	\$227.38
7000	\$168.93	\$332.94	\$708.83	\$1,412.80	\$2,116.77	\$2,712.24	\$245.44

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates, Hauled Sewer FY2015 July 1, 2014 through June 30, 2015**

Capacity	<u>1</u> time/month	<u>2</u> times/month	<u>1</u> time/week	<u>2</u> times/week	<u>3</u> times/week	<u>4</u> times/week	Extra Haul
100	\$23.55	\$41.94	\$84.04	\$162.97	\$241.89	\$308.48	\$0.00
150	\$24.54	\$43.93	\$88.31	\$171.51	\$254.72	\$324.92	\$0.00
200	\$25.54	\$45.92	\$92.59	\$180.06	\$267.54	\$341.36	\$66.26
250	\$26.54	\$47.91	\$96.86	\$188.61	\$280.36	\$357.80	\$67.21
300	\$27.53	\$49.90	\$101.13	\$197.16	\$293.19	\$374.24	\$68.16
350	\$28.53	\$51.90	\$105.41	\$205.71	\$306.01	\$390.68	\$69.11
400	\$29.52	\$53.89	\$109.68	\$214.26	\$318.83	\$407.12	\$70.05
450	\$30.52	\$55.88	\$113.96	\$222.81	\$331.65	\$423.56	\$71.00
500	\$31.51	\$57.87	\$118.23	\$231.35	\$344.48	\$440.00	\$71.95
550	\$32.51	\$59.86	\$122.51	\$239.90	\$357.30	\$456.44	\$72.90
600	\$33.51	\$61.85	\$126.78	\$248.45	\$370.12	\$472.88	\$73.85
650	\$34.50	\$63.85	\$131.05	\$257.00	\$382.95	\$489.32	\$74.80
700	\$35.50	\$65.84	\$135.33	\$265.55	\$395.77	\$505.76	\$75.75
750	\$36.49	\$67.83	\$139.60	\$274.10	\$408.59	\$522.20	\$76.69
800	\$37.49	\$69.82	\$143.88	\$282.65	\$421.42	\$538.64	\$77.64
850	\$38.49	\$71.81	\$148.15	\$291.20	\$434.24	\$555.08	\$78.59
900	\$39.48	\$73.80	\$152.43	\$299.74	\$447.06	\$571.52	\$79.54
1000	\$41.47	\$77.79	\$160.98	\$316.84	\$472.71	\$604.40	\$81.44
1200	\$45.46	\$85.75	\$178.07	\$351.04	\$524.00	\$670.16	\$85.23
1400	\$49.44	\$93.72	\$195.17	\$385.23	\$575.29	\$735.92	\$89.02
1500	\$51.43	\$97.71	\$203.72	\$402.33	\$600.94	\$768.79	\$90.92
1750	\$56.41	\$107.66	\$225.09	\$445.07	\$665.05	\$850.99	\$95.66
2000	\$61.39	\$117.62	\$246.46	\$487.81	\$729.17	\$933.19	\$100.40
2500	\$71.35	\$137.54	\$289.20	\$573.30	\$857.40	\$1,097.59	\$109.89
3000	\$81.31	\$157.46	\$331.95	\$658.79	\$985.63	\$1,261.99	\$119.37
3500	\$91.27	\$177.37	\$374.69	\$744.27	\$1,113.86	\$1,426.38	\$128.86
4000	\$117.62	\$230.09	\$487.81	\$970.52	\$1,453.23	\$1,861.47	\$200.81
5000	\$137.54	\$269.92	\$573.30	\$1,141.49	\$1,709.69	\$2,190.27	\$219.78
6000	\$157.46	\$309.76	\$658.79	\$1,312.47	\$1,966.14	\$2,519.06	\$238.75
7000	\$177.37	\$349.59	\$744.27	\$1,483.44	\$2,222.60	\$2,847.86	\$257.72





Introduced by: City Council (AM 13-31)

Date: April 22, 2014

Public Hearing:

Action:

Vote:

**Monthly Rates, Hauled Sewer FY2016 July 1, 2015 through June 30, 2016**

<u>Capacity</u>	<u>1</u> <u>time/month</u>	<u>2</u> <u>times/month</u>	<u>1</u> <u>time/week</u>	<u>2</u> <u>times/week</u>	<u>3</u> <u>times/week</u>	<u>4</u> <u>times/week</u>	<u>Extra</u> <u>Haul</u>
100	\$24.49	\$43.61	\$87.40	\$169.48	\$251.57	\$320.82	\$0.00
150	\$25.52	\$45.69	\$91.84	\$178.37	\$264.91	\$337.92	\$0.00
200	\$26.56	\$47.76	\$96.29	\$187.27	\$278.24	\$355.02	\$68.91
250	\$27.60	\$49.83	\$100.73	\$196.16	\$291.58	\$372.11	\$69.90
300	\$28.63	\$51.90	\$105.18	\$205.05	\$304.91	\$389.21	\$70.88
350	\$29.67	\$53.97	\$109.63	\$213.94	\$318.25	\$406.31	\$71.87
400	\$30.70	\$56.04	\$114.07	\$222.83	\$331.58	\$423.41	\$72.86
450	\$31.74	\$58.11	\$118.52	\$231.72	\$344.92	\$440.50	\$73.84
500	\$32.77	\$60.19	\$122.96	\$240.61	\$358.26	\$457.60	\$74.83
550	\$33.81	\$62.26	\$127.41	\$249.50	\$371.59	\$474.70	\$75.82
600	\$34.85	\$64.33	\$131.85	\$258.39	\$384.93	\$491.80	\$76.80
650	\$35.88	\$66.40	\$136.30	\$267.28	\$398.26	\$508.89	\$77.79
700	\$36.92	\$68.47	\$140.74	\$276.17	\$411.60	\$525.99	\$78.78
750	\$37.95	\$70.54	\$145.19	\$285.06	\$424.94	\$543.09	\$79.76
800	\$38.99	\$72.61	\$149.63	\$293.95	\$438.27	\$560.18	\$80.75
850	\$40.02	\$74.69	\$154.08	\$302.84	\$451.61	\$577.28	\$81.73
900	\$41.06	\$76.76	\$158.52	\$311.73	\$464.94	\$594.38	\$82.72
1000	\$43.13	\$80.90	\$167.41	\$329.51	\$491.62	\$628.57	\$84.69
1200	\$47.27	\$89.19	\$185.20	\$365.08	\$544.96	\$696.96	\$88.64
1400	\$51.42	\$97.47	\$202.98	\$400.64	\$598.30	\$765.35	\$92.58
1500	\$53.49	\$101.61	\$211.87	\$418.42	\$624.97	\$799.55	\$94.56
1750	\$58.67	\$111.97	\$234.09	\$462.87	\$691.65	\$885.03	\$99.49
2000	\$63.85	\$122.33	\$256.32	\$507.33	\$758.33	\$970.52	\$104.42
2500	\$74.20	\$143.04	\$300.77	\$596.23	\$891.69	\$1,141.49	\$114.28
3000	\$84.56	\$163.76	\$345.23	\$685.14	\$1,025.05	\$1,312.47	\$124.15
3500	\$94.92	\$184.47	\$389.68	\$774.05	\$1,158.41	\$1,483.44	\$134.01
4000	\$122.33	\$239.29	\$507.33	\$1,009.34	\$1,511.35	\$1,935.93	\$208.84
5000	\$143.04	\$280.72	\$596.23	\$1,187.15	\$1,778.07	\$2,277.88	\$228.57
6000	\$163.76	\$322.15	\$685.14	\$1,364.96	\$2,044.79	\$2,619.82	\$248.30
7000	\$184.47	\$363.58	\$774.05	\$1,542.78	\$2,311.51	\$2,961.77	\$268.03

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates, Hauled Sewer FY2017 July 1, 2016 through June 30, 2017**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$25.47	\$45.36	\$90.89	\$176.26	\$261.63	\$333.66	\$0.00
150	\$26.55	\$47.51	\$95.52	\$185.51	\$275.50	\$351.44	\$0.00
200	\$27.62	\$49.67	\$100.14	\$194.76	\$289.37	\$369.22	\$71.67
250	\$28.70	\$51.82	\$104.76	\$204.00	\$303.24	\$387.00	\$72.69
300	\$29.78	\$53.98	\$109.39	\$213.25	\$317.11	\$404.78	\$73.72
350	\$30.85	\$56.13	\$114.01	\$222.49	\$330.98	\$422.56	\$74.75
400	\$31.93	\$58.28	\$118.63	\$231.74	\$344.85	\$440.34	\$75.77
450	\$33.01	\$60.44	\$123.26	\$240.99	\$358.72	\$458.12	\$76.80
500	\$34.09	\$62.59	\$127.88	\$250.23	\$372.59	\$475.90	\$77.82
550	\$35.16	\$64.75	\$132.50	\$259.48	\$386.46	\$493.69	\$78.85
600	\$36.24	\$66.90	\$137.13	\$268.73	\$400.33	\$511.47	\$79.87
650	\$37.32	\$69.06	\$141.75	\$277.97	\$414.20	\$529.25	\$80.90
700	\$38.39	\$71.21	\$146.37	\$287.22	\$428.06	\$547.03	\$81.93
750	\$39.47	\$73.36	\$151.00	\$296.46	\$441.93	\$564.81	\$82.95
800	\$40.55	\$75.52	\$155.62	\$305.71	\$455.80	\$582.59	\$83.98
850	\$41.63	\$77.67	\$160.24	\$314.96	\$469.67	\$600.37	\$85.00
900	\$42.70	\$79.83	\$164.86	\$324.20	\$483.54	\$618.15	\$86.03
1000	\$44.86	\$84.14	\$174.11	\$342.70	\$511.28	\$653.72	\$88.08
1200	\$49.17	\$92.75	\$192.60	\$379.68	\$566.76	\$724.84	\$92.18
1400	\$53.47	\$101.37	\$211.10	\$416.67	\$622.24	\$795.97	\$96.29
1500	\$55.63	\$105.68	\$220.34	\$435.16	\$649.97	\$831.53	\$98.34
1750	\$61.01	\$116.45	\$243.46	\$481.39	\$719.32	\$920.43	\$103.47
2000	\$66.40	\$127.22	\$266.57	\$527.62	\$788.67	\$1,009.34	\$108.60
2500	\$77.17	\$148.76	\$312.80	\$620.08	\$927.36	\$1,187.15	\$118.86
3000	\$87.94	\$170.31	\$359.04	\$712.54	\$1,066.05	\$1,364.96	\$129.11
3500	\$98.71	\$191.85	\$405.27	\$805.01	\$1,204.75	\$1,542.78	\$139.37
4000	\$127.22	\$248.86	\$527.62	\$1,049.71	\$1,571.81	\$2,013.37	\$217.20
5000	\$148.76	\$291.95	\$620.08	\$1,234.64	\$1,849.20	\$2,368.99	\$237.71
6000	\$170.31	\$335.03	\$712.54	\$1,419.56	\$2,126.58	\$2,724.62	\$258.23
7000	\$191.85	\$378.12	\$805.01	\$1,604.49	\$2,403.97	\$3,080.24	\$278.75

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

**Monthly Rates, Hauled Sewer FY2018 July 1, 2017 through June 30, 2018**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$26.49	\$47.17	\$94.53	\$183.31	\$272.10	\$347.00	\$0.00
150	\$27.61	\$49.41	\$99.34	\$192.93	\$286.52	\$365.49	\$0.00
200	\$28.73	\$51.65	\$104.15	\$202.55	\$300.95	\$383.99	\$74.53
250	\$29.85	\$53.89	\$108.95	\$212.16	\$315.37	\$402.48	\$75.60
300	\$30.97	\$56.13	\$113.76	\$221.78	\$329.79	\$420.97	\$76.67
350	\$32.09	\$58.38	\$118.57	\$231.39	\$344.22	\$439.46	\$77.74
400	\$33.21	\$60.62	\$123.38	\$241.01	\$358.64	\$457.96	\$78.80
450	\$34.33	\$62.86	\$128.19	\$250.63	\$373.07	\$476.45	\$79.87
500	\$35.45	\$65.10	\$132.99	\$260.24	\$387.49	\$494.94	\$80.94
550	\$36.57	\$67.34	\$137.80	\$269.86	\$401.91	\$513.43	\$82.00
600	\$37.69	\$69.58	\$142.61	\$279.47	\$416.34	\$531.93	\$83.07
650	\$38.81	\$71.82	\$147.42	\$289.09	\$430.76	\$550.42	\$84.14
700	\$39.93	\$74.06	\$152.23	\$298.71	\$445.19	\$568.91	\$85.20
750	\$41.05	\$76.30	\$157.03	\$308.32	\$459.61	\$587.40	\$86.27
800	\$42.17	\$78.54	\$161.84	\$317.94	\$474.04	\$605.90	\$87.34
850	\$43.29	\$80.78	\$166.65	\$327.56	\$488.46	\$624.39	\$88.40
900	\$44.41	\$83.02	\$171.46	\$337.17	\$502.88	\$642.88	\$89.47
1000	\$46.65	\$87.50	\$181.08	\$356.40	\$531.73	\$679.87	\$91.60
1200	\$51.13	\$96.46	\$200.31	\$394.87	\$589.43	\$753.84	\$95.87
1400	\$55.61	\$105.42	\$219.54	\$433.33	\$647.12	\$827.80	\$100.14
1500	\$57.85	\$109.91	\$229.16	\$452.56	\$675.97	\$864.79	\$102.27
1750	\$63.45	\$121.11	\$253.20	\$500.64	\$748.09	\$957.25	\$107.61
2000	\$69.06	\$132.31	\$277.24	\$548.72	\$820.21	\$1,049.71	\$112.94
2500	\$80.26	\$154.71	\$325.32	\$644.89	\$964.45	\$1,234.64	\$123.61
3000	\$91.46	\$177.12	\$373.40	\$741.05	\$1,108.70	\$1,419.56	\$134.28
3500	\$102.66	\$199.52	\$421.48	\$837.21	\$1,252.94	\$1,604.49	\$144.95
4000	\$132.31	\$258.82	\$548.72	\$1,091.70	\$1,634.68	\$2,093.90	\$225.88
5000	\$154.71	\$303.63	\$644.89	\$1,284.02	\$1,923.16	\$2,463.75	\$247.22
6000	\$177.12	\$348.43	\$741.05	\$1,476.35	\$2,211.65	\$2,833.60	\$268.56
7000	\$199.52	\$393.24	\$837.21	\$1,668.67	\$2,500.13	\$3,203.45	\$289.90

**A. Evacuation Service:**

1. a. On schedule, per rates in the schedule in ~~BMC 13.16.020(B)~~.

b. In addition to usage charges under ~~BMC 13.16.020(B)~~ and (H), sewer customers shall pay five dollars (\$5) monthly per sewer subscription for facility charges to recover the cost of sewer system capital improvements and depreciation.

Introduced by: City Council (AM 13-31)  
 Date: April 22, 2014  
 Public Hearing:  
 Action:  
 Vote:

e. ~~For sewer tank evacuations less frequent than water deliveries, sewer rate is determined from the sum of regular water deliveries between sewer tank evacuations. For sewer customers without water service, the sewer rate will be based on the size of the sewer tank.~~

2. ~~Residential/commercial extra call rates are from the schedule in BMC 13.16.020(C)(1) and (2).~~

B. No new services for evacuation more than two (2) times a week will be established.

C. Piped sewer service:

1. ~~Flat-rate Nonmetered per month per dwelling unit (metered and nonmetered service): thirty three dollars and ninety two cents (\$33.92) per month per dwelling unit;~~

<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
<u>Through June 30, 2014</u>	<u>July 1, 2014 – June 30, 2015</u>	<u>July 1, 2015 – June 30, 2016</u>	<u>July 1, 2016 – June 30, 2017</u>	<u>July 1, 2017 – June 30, 2018</u>
\$52.68	\$55.32	\$57.53	\$59.83	\$62.22

2. ~~Commercial-Metered service per one thousand (1,000) gallons: seventeen dollars and forty nine cents (\$17.49) per one thousand (1,000) gallons.~~

<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
<u>Through June 30, 2014</u>	<u>July 1, 2014 – June 30, 2015</u>	<u>July 1, 2015 – June 30, 2016</u>	<u>July 1, 2016 – June 30, 2017</u>	<u>July 1, 2017 – June 30, 2018</u>
\$9.55	\$10.03	\$10.43	\$10.85	\$11.28

a. ~~Any nonresidential customer on piped services shall be charged the meter rate.~~

D. ~~Sewage service dumped at the municipal sewage lagoon: four dollars and thirty nine cents (\$4.39) per one thousand (1,000) gallons.~~

**13.16.035 Hauled water /sewer services extra call/haul request.**

A. Any hauled water customer may request an extra call for water delivery on a form provided by the finance department indicating the number of gallons of water requested. Each extra call for water delivery will have a corresponding extra haul for

Introduced by: City Council (AM 13-31)  
Date: April 22, 2014  
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sewer evacuation at the rate corresponding to the number gallons requested for the extra call for water, to be paid at the same time as the extra call for water.

B. Hauled services extra call after regular business hours shall be the corresponding rate listed in BMC 13.16.020 A or B or 13.16.030 A depending on the type of service and the zone, plus one hundred and fifty dollars (\$150).

**13.16.040 Renewal and replacement fund recovery rate:**

A. Hauled water and sewer delivery services replacement fund recovery rates per 1,000 gallons are:

<u>Hauled Water</u>	<u>Hauled Sewer</u>
<u>\$2.10</u>	<u>\$1.59</u>

B. Nonmetered subscription replacement fund recovery rates are:

<u>Flat Rate Water</u>	<u>Flat Rate Sewer</u>
<u>\$16.35</u>	<u>\$16.35</u>

C. Metered water and sewer subscription replacement fund recovery rates per 1,000 gallons of water supplied are:

<u>Metered Water</u>	<u>Metered Sewer</u>
<u>\$3.27</u>	<u>\$3.27</u>

**13.16.035 13.16.045 Prepaid services.**

A. Any person or entity may at any time, without regard to subscription to services, status of an account or indebtedness to the city, receive water or sewer service by prepaying.

B. The charge for prepaid services will be the applicable extra call fee. ~~plus a twenty dollar (\$20) administrative fee.~~

Introduced by: City Council (AM 13-31)  
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~~C. Payment can be made in cash. Other forms of payment will be at the city's discretion.~~

~~D. C.~~ The city can refuse service under this section if the customer does not have a suitable tank or reasonable access.

**~~13.16.040~~ 13.16.050 Holidays.**

The monthly residential/commercial rates charges for the collection of garbage, rubbish and waste material, delivery of water and removal of sewage within the city shall not include providing such services on or during officially recognized city holidays as described in the city's personnel rules.

**~~13.16.050~~ 13.16.060 Allowance for mechanical malfunctions.**

The monthly residential/commercial rates charged for the collection of garbage, rubbish and waste material, delivery of water and removal of sewage within the city are also established on the basis of three (3) days per year for garbage service, three (3) days per year for water service and three (3) days per year for sewer service which may not be implemented because of mechanical malfunctions experienced by city-owned vehicles engaged in providing the utility services described in this section.

**~~13.16.060~~ 13.16.070 Adjustments for nonservice.**

Customers who do not receive residential/commercial garbage, water or sewer services four (4) or more times a year in each of the utility service areas mentioned in this chapter, excluding officially recognized city holidays, physical or other impediments created by the customer to all residential/commercial garbage, water or sewer areas (e.g., locked doors, the presence of animals) and the three (3) days per year per utility service area which may not be implemented because of mechanical malfunctions experienced by city-owned vehicles engaged in providing the utility services described in this section, may request and shall be granted by the city an adjustment to their utility bills as supported by utility records maintained by the city's public works department and finance department. Such requests by a utility customer shall be made to the city's finance department within thirty (30) days after utility bills are mailed by the city. If a utility customer makes a request for an adjustment to the utility bill after the thirty (30) day time period, such request will be considered invalid by the city.

**~~13.16.070~~ 13.16.080 Senior citizen credit.**

A. Any Bethel citizen at least ~~sixty (60)~~ sixty-five (65) years of age residing in their own household shall receive ~~up to~~ a twenty-five dollars (\$25.00) monthly utility credit, if

Introduced by: City Council (AM 13-31)  
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they are the primary source of income, after making application for such at the city utilities office.

B. All other Bethel citizens at least sixty (60) years of age that do not meet the conditions of subsection A of this section shall receive up to a ten dollars (\$10) monthly utility credit after making application for such to the city utilities office.

C. Each residential unit shall be limited to one (1) credit application.

**~~13.16.080 Nonliability for water damage.~~**

~~The city shall not be held liable for water damage to any property where the customer has failed to install an adequate operative overflow system, or has failed to keep the overflow line from freezing.~~

**~~13.16.090~~ 13.16.080 Contractual agreements.**

The city manager shall have the power and authority to enter into contractual arrangements with any person for the provision of any of the services described in this chapter at rates or terms different from those set out in this chapter, subject to the approval of the city council.

**SECTION 3. Effective Date.** Subsections 13.16.020 F. 2. a. and 13.16.030 C. 2. a. shall become effective on 1/1/2015.

**SECTION 4. Effective Date.** Except as provided in Section 3 of this ordinance, this ordinance shall become effective no sooner than 60 days and no later than 90 days, after passage of said ordinance.

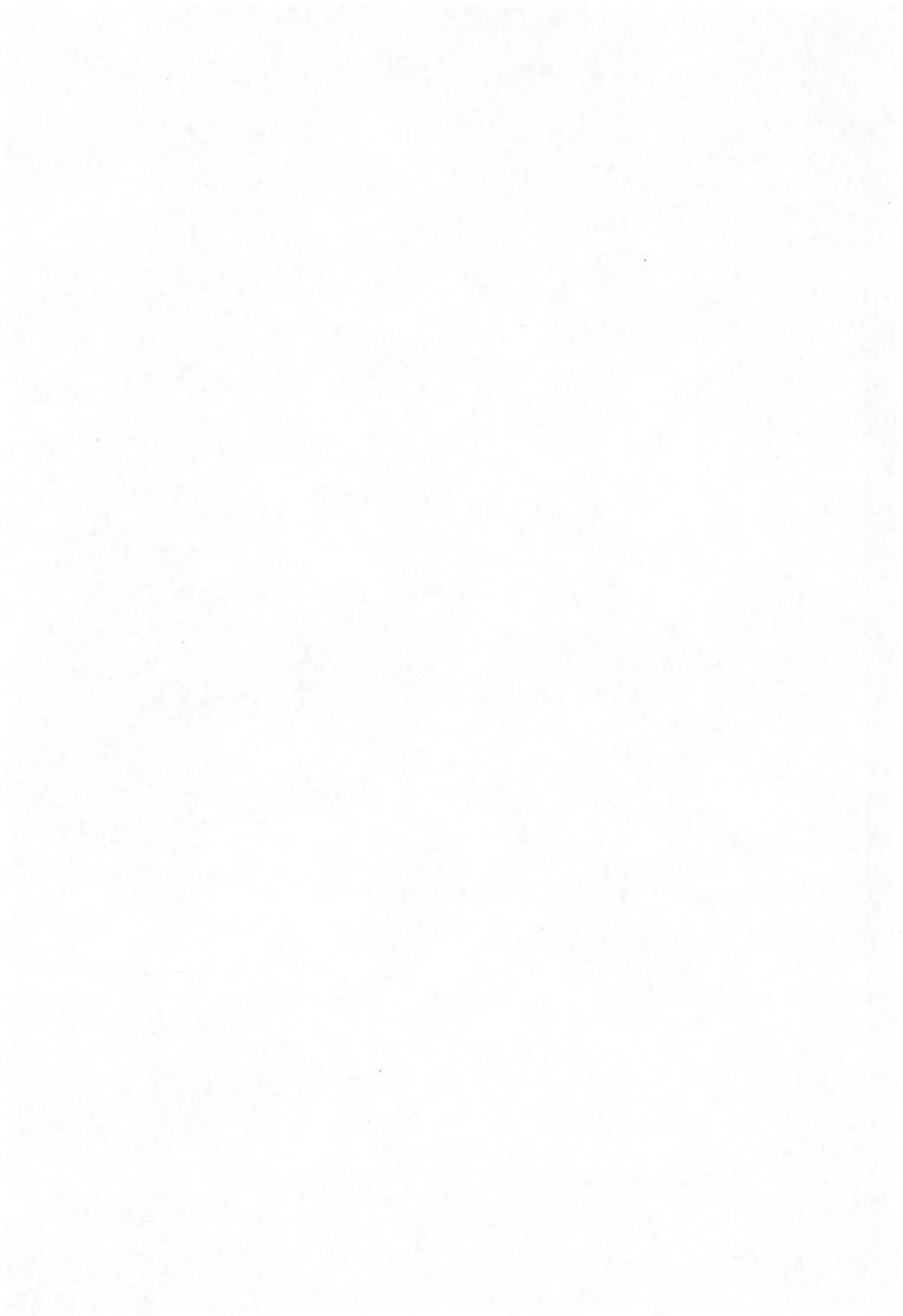
**ENACTED THIS DAY OF 2014, BY A VOTE OF IN FAVOR AND OPPOSED.**

\_\_\_\_\_  
Joseph A. Klejka, Mayor

ATTEST:

\_\_\_\_\_  
Lori Strickler, City Clerk





# NOTES FROM CITY CLERK

## Ordinance #14-12

### AN ORDINANCE AMENDING BETHEL MUNICIPAL CODE SECTION 13.16 UTILITY RATES

THEREFORE BE IT ORDAINED by the City Council of Bethel, Alaska, that the Bethel Municipal Code shall be amended and revised as follows:

**SECTION 1. Classification.** This ordinance is of a permanent nature and shall become part of the Bethel Municipal Code.

**SECTION 2. Amendment** The Bethel Municipal Code Chapter 13.16, is amended as follows (new language is underlined and old language is stricken out):

#### Chapter 13.16 Utility Rates

##### 13.16.010 Definitions

A. "Hauled Water Zone One (1)" as identified in the Hauled Water Zone Map available at the City Offices.

B. "Hauled Water Zone Two (2)" as identified in the Hauled Water Zone Map available at the City Offices.

C. "Regular Business Hours" means the days and hours the city's administrative offices are open to provide general services to the public, excluding weekends and holidays.

D. "Residential" means a building or group of buildings, containing no more than two (2) separate living quarters all having complete living facilities designed for long-term human habitation.

##### **13.16.020 Water service.**

For the providing of residential/commercial water services with within the city, the following charges shall be made:

A. In addition to usage charges under subsections B and H of this section, water customers shall pay five dollars (\$5) monthly per water subscription for facility charges to recover the cost of water system capital improvements and depreciation.

B. Residential/commercial water delivery services for outside fill with an overflow involving the following capacities, frequencies and rate charges:

NOTES FROM CITY CLERK ON ORD. 14-12

**Comment [1s1]:** We had concerns on how to best define the two zones and felt this would be the best approach.

The map provided will need to be modified slightly to prevent confusion on where the two zones are divided but ultimately, at this point in time zone two would include, Kasayuli, Larson, Blueberry, area near the airport and Tundra Ridge. We decided to provide a map rather than list out subdivisions to make sure all of Bethel is included, even if new subdivisions are established.

**Comment [1s2]:** This definition is to address the changes made to the Water Title passed by Council last month. Additionally, with the goal of eventually having everyone on a metered system, this would insure commercial users currently on the metered system would remain on the metered system and to help insure multi dwelling units with only one connection are being charged for the amount of water used, rather than a flat rate.

**Comment [1s3]:** The charges provided below are based off of the actual cost of service not included in the Study but as an addendum. The rates begin FY 2014 and are provided through FY 2018 although the Council asked for a continuation through FY 2020. It has been suggested to keep the ordinance rate list through FY 2018 then reassess the situation to see if the continued increases are necessary. For Water Rates, the continued increases would be 4% annually after FY 2018 - FY 2020.

For Sewer Rates, the continued increases would be 4% in FY 2019 then 3% for FY 2020.

Utility Rate Sheet

Capacity	Frequency	Hauled Water Zone 1	Sewer
100 Gallons	1 time per month	\$ 11.83	\$ 10.70
-	2 times per month	\$ 27.90	\$ 21.40
-	1 time per week	\$ 40.27	\$ 42.79
-	2 times per week	\$ 64.86	\$ 85.57
-	3 times per week	\$ 74.73	\$ 128.35
-	4 times per week	\$ 102.72	\$ 171.13
-	-	-	-
150 Gallons	1 time per month	\$ 13.75	\$ 13.64
-	2 times per month	\$ 28.04	\$ 27.27
-	1 time per week	\$ 57.21	\$ 54.53
-	2 times per week	\$ 116.66	\$ 109.06
-	3 times per week	\$ 178.33	\$ 163.58
-	4 times per week	\$ 242.25	\$ 218.11
-	-	-	-
200 Gallons	1 time per month	\$ 15.89	\$ 14.64
-	2 times per month	\$ 32.52	\$ 29.28
-	1 time per week	\$ 66.49	\$ 58.56
-	2 times per week	\$ 135.88	\$ 117.11
-	3 times per week	\$ 208.18	\$ 175.67
-	4 times per week	\$ 283.34	\$ 234.22
-	-	-	-
250 Gallons	1 time per month	\$ 17.90	\$ 15.64
-	2 times per month	\$ 36.67	\$ 31.27
-	1 time per week	\$ 75.08	\$ 62.54
-	2 times per week	\$ 153.67	\$ 125.08
-	3 times per week	\$ 235.77	\$ 187.62
-	4 times per week	\$ 321.37	\$ 250.16
-	-	-	-

NOTES FROM CITY CLERK ON ORD. 14-12

300 Gallons	1 time per month	\$ 19.74	\$ 16.65
-	2 times per month	\$ 40.48	\$ 33.29
-	1 time per week	\$ 82.97	\$ 66.57
-	2 times per week	\$ 170.02	\$ 133.14
-	3 times per week	\$ 261.11	\$ 199.71
-	4 times per week	\$ 356.72	\$ 266.28
-	-	-	-
350 Gallons	1 time per month	\$ 21.40	\$ 17.65
-	2 times per month	\$ 43.94	\$ 35.30
-	1 time per week	\$ 90.17	\$ 70.60
-	2 times per week	\$ 184.90	\$ 141.20
-	3 times per week	\$ 284.24	\$ 211.79
-	4 times per week	\$ 388.16	\$ 282.39
-	-	-	-
400 Gallons	1 time per month	\$ 22.91	\$ 18.66
-	2 times per month	\$ 47.07	\$ 37.32
-	1 time per week	\$ 96.66	\$ 74.63
-	2 times per week	\$ 198.35	\$ 149.25
-	3 times per week	\$ 305.12	\$ 223.88
-	4 times per week	\$ 416.91	\$ 298.50
-	-	-	-
450 Gallons	1 time per month	\$ 24.25	\$ 19.67
-	2 times per month	\$ 49.87	\$ 39.33
-	1 time per week	\$ 102.42	\$ 78.66
-	2 times per week	\$ 210.36	\$ 157.31
-	3 times per week	\$ 323.75	\$ 235.96
-	4 times per week	\$ 442.61	\$ 314.61
-	-	-	-
500 Gallons	1 time per month	\$ 25.41	\$ 20.67
-	2 times per month	\$ 52.28	\$ 41.34
-	1 time per week	\$ 107.52	\$ 82.68
-	2 times per week	\$ 220.91	\$ 165.36

NOTES FROM CITY CLERK ON ORD. 14-12

-	3 times per week	\$ 340.14	\$ 248.04
-	4 times per week	\$ 465.22	\$ 330.72
-	-	-	-
550 Gallons	1 time per month	\$ 28.42	\$ 21.67
-	2 times per month	\$ 58.53	\$ 43.34
-	1 time per week	\$ 120.44	\$ 86.67
-	2 times per week	\$ 247.61	\$ 173.34
-	3 times per week	\$ 381.55	\$ 260.00
-	4 times per week	\$ 522.21	\$ 346.67
-	-	-	-
600 Gallons	1 time per month	\$ 29.38	\$ 22.68
-	2 times per month	\$ 60.45	\$ 45.35
-	1 time per week	\$ 124.35	\$ 90.70
-	2 times per week	\$ 255.59	\$ 181.39
-	3 times per week	\$ 393.73	\$ 272.09
-	4 times per week	\$ 538.75	\$ 362.78
-	-	-	-
650 Gallons	1 time per month	\$ 33.27	\$ 23.69
-	2 times per month	\$ 68.57	\$ 47.37
-	1 time per week	\$ 141.25	\$ 94.73
-	2 times per week	\$ 290.68	\$ 189.45
-	3 times per week	\$ 448.34	\$ 284.17
-	4 times per week	\$ 614.18	\$ 378.89
-	-	-	-
700 Gallons	1 time per month	\$ 34.36	\$ 24.69
-	2 times per month	\$ 70.79	\$ 49.38
-	1 time per week	\$ 145.79	\$ 98.75
-	2 times per week	\$ 299.93	\$ 197.50
-	3 times per week	\$ 406.58	\$ 296.25
-	4 times per week	\$ 633.40	\$ 395.00
-	-	-	-
750 Gallons	1 time per month	\$ 35.48	\$ 25.70

NOTES FROM CITY CLERK ON ORD. 14-12

-	2 times per month	\$ 73.08	\$ 51.39
-	1 time per week	\$ 150.47	\$ 102.78
-	2 times per week	\$ 309.48	\$ 205.56
-	3 times per week	\$ 477.08	\$ 308.34
-	4 times per week	\$ 653.21	\$ 411.12
-	-	-	-
800 Gallons	1 time per month	\$ 40.81	\$ 26.70
-	2 times per month	\$ 84.29	\$ 53.39
-	1 time per week	\$ 173.79	\$ 106.77
-	2 times per week	\$ 358.05	\$ 213.53
-	3 times per week	\$ 552.79	\$ 320.29
-	4 times per week	\$ 749.30	\$ 427.06
-	-	-	-
850 Gallons	1 time per month	\$ 42.14	\$ 27.70
-	2 times per month	\$ 86.99	\$ 55.40
-	1 time per week	\$ 179.29	\$ 110.80
-	2 times per week	\$ 369.29	\$ 221.59
-	3 times per week	\$ 569.99	\$ 332.38
-	4 times per week	\$ 781.39	\$ 443.17
-	-	-	-
900 Gallons	1 time per month	\$ 43.50	\$ 28.71
-	2 times per month	\$ 89.76	\$ 57.41
-	1 time per week	\$ 184.94	\$ 114.82
-	2 times per week	\$ 380.82	\$ 229.64
-	3 times per week	\$ 587.63	\$ 344.46
-	4 times per week	\$ 805.36	\$ 459.28
-	-	-	-
1,000 Gallons	1 time per month	\$ 46.32	\$ 30.72
-	2 times per month	\$ 95.51	\$ 61.44
-	1 time per week	\$ 196.69	\$ 122.88
-	2 times per week	\$ 404.76	\$ 245.76
-	3 times per week	\$ 624.22	\$ 368.63

NOTES FROM CITY CLERK ON ORD. 14-12

-	4 times per week	\$ 855.04	\$ 491.51
1,200 Gallons	1 time per month	\$ 55.45	\$ 34.74
-	2 times per month	\$ 114.54	\$ 69.48
-	1 time per week	\$ 236.29	\$ 138.95
-	2 times per week	\$ 487.04	\$ 277.89
-	3 times per week	\$ 751.42	\$ 416.84
-	4 times per week	\$ 1,015.55	\$ 555.78
-	-	-	-
1,400 Gallons	1 time per month	\$ 64.58	\$ 38.76
-	2 times per month	\$ 133.56	\$ 77.51
-	1 time per week	\$ 275.89	\$ 155.02
-	2 times per week	\$ 569.33	\$ 310.03
-	3 times per week	\$ 878.63	\$ 465.05
-	4 times per week	\$ 1,176.05	\$ 620.06
-	-	-	-
1,500 Gallons	1 time per month	\$ 78.52	\$ 40.77
-	2 times per month	\$ 157.04	\$ 81.54
-	1 time per week	\$ 314.08	\$ 163.08
-	2 times per week	\$ 628.15	\$ 326.15
-	3 times per week	\$ 942.23	\$ 489.22
-	4 times per week	\$ 1,256.30	\$ 652.29
-	-	-	-
1,750 Gallons	1 time per month	\$ 89.84	\$ 45.80
-	2 times per month	\$ 179.67	\$ 91.59
-	1 time per week	\$ 359.35	\$ 183.17
-	2 times per week	\$ 718.69	\$ 366.34
-	3 times per week	\$ 1,078.03	\$ 549.51
-	4 times per week	\$ 1,437.37	\$ 732.68
-	-	-	-
2,000 Gallons	1 time per month	\$ 101.16	\$ 50.82
-	2 times per month	\$ 202.31	\$ 101.64

NOTES FROM CITY CLERK ON ORD. 14-12

-	1 time per week	\$ 404.62	\$ 203.27
-	2 times per week	\$ 809.23	\$ 406.54
-	3 times per week	\$ 1,213.84	\$ 609.80
-	4 times per week	\$ 1,618.44	\$ 813.07
-	-	-	-
2,500 Gallons	1 time per month	\$ 123.79	\$ 60.87
-	2 times per month	\$ 247.58	\$ 121.74
-	1 time per week	\$ 495.15	\$ 243.47
-	2 times per week	\$ 990.30	\$ 486.93
-	3 times per week	\$ 1,485.45	\$ 730.39
-	4 times per week	\$ 1,980.59	\$ 973.85
-	-	-	-
3,000 Gallons	1 time per month	\$ 146.42	\$ 70.92
-	2 times per month	\$ 292.85	\$ 141.83
-	1 time per week	\$ 585.69	\$ 283.66
-	2 times per week	\$ 1,171.38	\$ 567.32
-	3 times per week	\$ 1,757.06	\$ 850.97
-	4 times per week	\$ 2,342.74	\$ 1,134.63
-	-	-	-
3,500 Gallons	1 time per month	\$ 169.06	\$ 80.97
-	2 times per month	\$ 338.11	\$ 161.93
-	1 time per week	\$ 676.23	\$ 323.86
-	2 times per week	\$ 1,352.45	\$ 647.71
-	3 times per week	\$ 2,028.68	\$ 971.56
-	4 times per week	\$ 2,704.89	\$ 1,295.41

A. Hauled water delivery services for zone one, involving the following capacities, frequencies, extra call charges and rates are:

Zone 1 Hauled Water Rates

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 1, Hauled Water FY2014 Through June 30, 2014**

**Comment [1s4]:** Beginning with the Cost of Service for FY2014 and increase at a rate of 8% in FY15, 8% FY16, and 4% FY17 and FY18 for water rates.

Capacity	1 time/month	2 times/month	1 time per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$18.71	\$32.58	\$64.95	\$125.07	\$185.19	\$245.30	
150	\$20.05	\$35.26	\$70.77	\$136.70	\$202.63	\$268.57	
200	\$21.39	\$37.95	\$76.58	\$148.33	\$220.08	\$291.83	\$66.15
250	\$22.73	\$40.63	\$82.40	\$159.97	\$237.53	\$315.10	\$67.49
300	\$24.08	\$43.32	\$88.22	\$171.60	\$254.98	\$338.36	\$68.83
350	\$25.42	\$46.00	\$94.03	\$183.23	\$272.43	\$361.63	\$70.17
400	\$26.76	\$48.69	\$99.85	\$194.86	\$289.88	\$384.89	\$71.52
450	\$28.10	\$51.37	\$105.66	\$206.49	\$307.32	\$408.15	\$72.86
500	\$29.44	\$54.06	\$111.48	\$218.13	\$324.77	\$431.42	\$74.20
550	\$30.79	\$56.74	\$117.30	\$229.76	\$342.22	\$454.68	\$75.54
600	\$32.13	\$59.42	\$123.11	\$241.39	\$359.67	\$477.95	\$76.88
650	\$33.47	\$62.11	\$128.93	\$253.02	\$377.12	\$501.21	\$78.23
700	\$34.81	\$64.79	\$134.74	\$264.65	\$394.56	\$524.47	\$79.57
750	\$36.16	\$67.48	\$140.56	\$276.29	\$412.01	\$547.74	\$80.91
800	\$37.50	\$70.16	\$146.38	\$287.92	\$429.46	\$571.00	\$82.25
850	\$38.84	\$72.85	\$152.19	\$299.55	\$446.91	\$594.27	\$83.60
900	\$40.18	\$75.53	\$158.01	\$311.18	\$464.36	\$617.53	\$84.94
1000	\$42.87	\$80.90	\$169.64	\$334.45	\$499.25	\$664.06	\$87.62
1200	\$48.23	\$91.64	\$192.90	\$380.98	\$569.05	\$757.12	\$92.99
1400	\$53.60	\$102.37	\$216.17	\$427.50	\$638.84	\$850.17	\$98.36
1500	\$56.29	\$107.74	\$227.80	\$450.77	\$673.73	\$896.70	\$101.04
1750	\$63.00	\$121.16	\$256.88	\$508.93	\$760.98	\$1,013.02	\$107.75
2000	\$69.71	\$134.59	\$285.96	\$567.09	\$848.22	\$1,129.34	\$114.47
2500	\$83.13	\$161.43	\$344.12	\$683.41	\$1,022.70	\$1,361.99	\$127.89
3000	\$96.55	\$188.27	\$402.28	\$799.73	\$1,197.18	\$1,594.63	\$141.31
3500	\$109.97	\$215.12	\$460.44	\$916.05	\$1,371.66	\$1,827.27	\$154.73
4000	\$134.59	\$264.34	\$567.09	\$1,129.34	\$1,691.60	\$2,253.85	\$224.10
5000	\$161.43	\$318.02	\$683.41	\$1,361.99	\$2,040.56	\$2,719.14	\$250.94
6000	\$188.27	\$371.71	\$799.73	\$1,594.63	\$2,389.53	\$3,184.42	\$277.78
7000	\$215.12	\$425.40	\$916.05	\$1,827.27	\$2,738.49	\$3,649.71	\$304.63

**Monthly Rates Zone 1, Hauled Water FY2015 July 1, 2014 through June 30, 2015**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$20.20	\$35.19	\$70.15	\$135.07	\$200.00	\$264.93	
150	\$21.65	\$38.09	\$76.43	\$147.64	\$218.85	\$290.05	
200	\$23.10	\$40.99	\$82.71	\$160.20	\$237.69	\$315.18	\$71.44
250	\$24.55	\$43.88	\$88.99	\$172.76	\$256.53	\$340.30	\$72.89
300	\$26.00	\$46.78	\$95.27	\$185.33	\$275.38	\$365.43	\$74.34
350	\$27.45	\$49.68	\$101.55	\$197.89	\$294.22	\$390.56	\$75.79
400	\$28.90	\$52.58	\$107.84	\$210.45	\$313.07	\$415.68	\$77.24
450	\$30.35	\$55.48	\$114.12	\$223.01	\$331.91	\$440.81	\$78.69
500	\$31.80	\$58.38	\$120.40	\$235.58	\$350.75	\$465.93	\$80.14
550	\$33.25	\$61.28	\$126.68	\$248.14	\$369.60	\$491.06	\$81.59
600	\$34.70	\$64.18	\$132.96	\$260.70	\$388.44	\$516.18	\$83.04
650	\$36.15	\$67.08	\$139.24	\$273.26	\$407.29	\$541.31	\$84.48
700	\$37.60	\$69.98	\$145.52	\$285.83	\$426.13	\$566.43	\$85.93
750	\$39.05	\$72.87	\$151.80	\$298.39	\$444.97	\$591.56	\$87.38
800	\$40.50	\$75.77	\$158.09	\$310.95	\$463.82	\$616.68	\$88.83
850	\$41.95	\$78.67	\$164.37	\$323.51	\$482.66	\$641.81	\$90.28
900	\$43.40	\$81.57	\$170.65	\$336.08	\$501.51	\$666.93	\$91.73
1000	\$46.30	\$87.37	\$183.21	\$361.20	\$539.19	\$717.18	\$94.63
1200	\$52.09	\$98.97	\$208.34	\$411.45	\$614.57	\$817.69	\$100.43
1400	\$57.89	\$110.56	\$233.46	\$461.70	\$689.95	\$918.19	\$106.23
1500	\$60.79	\$116.36	\$246.02	\$486.83	\$727.63	\$968.44	\$109.13
1750	\$68.04	\$130.86	\$277.43	\$549.64	\$821.85	\$1,094.06	\$116.37
2000	\$75.29	\$145.35	\$308.84	\$612.46	\$916.07	\$1,219.69	\$123.62
2500	\$89.78	\$174.34	\$371.65	\$738.08	\$1,104.51	\$1,470.95	\$138.12
3000	\$104.28	\$203.33	\$434.47	\$863.71	\$1,292.95	\$1,722.20	\$152.61
3500	\$118.77	\$232.32	\$497.28	\$989.34	\$1,481.39	\$1,973.45	\$167.11
4000	\$145.35	\$285.48	\$612.46	\$1,219.69	\$1,826.93	\$2,434.16	\$242.02
5000	\$174.34	\$343.46	\$738.08	\$1,470.95	\$2,203.81	\$2,936.67	\$271.02
6000	\$203.33	\$401.45	\$863.71	\$1,722.20	\$2,580.69	\$3,439.18	\$300.01
7000	\$232.32	\$459.43	\$989.34	\$1,973.45	\$2,957.57	\$3,941.68	\$329.00

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 1, Hauled Water FY2016 July 1, 2015 through June 30, 2016**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$21.82	\$38.00	\$75.76	\$145.88	\$216.00	\$286.12	
150	\$23.39	\$41.13	\$82.54	\$159.45	\$236.35	\$313.26	
200	\$24.95	\$44.26	\$89.33	\$173.02	\$256.70	\$340.39	\$77.15
250	\$26.52	\$47.39	\$96.11	\$186.58	\$277.06	\$367.53	\$78.72
300	\$28.08	\$50.53	\$102.89	\$200.15	\$297.41	\$394.66	\$80.29
350	\$29.65	\$53.66	\$109.68	\$213.72	\$317.76	\$421.80	\$81.85
400	\$31.21	\$56.79	\$116.46	\$227.29	\$338.11	\$448.93	\$83.42
450	\$32.78	\$59.92	\$123.25	\$240.85	\$358.46	\$476.07	\$84.98
500	\$34.34	\$63.05	\$130.03	\$254.42	\$378.81	\$503.21	\$86.55
550	\$35.91	\$66.18	\$136.81	\$267.99	\$399.17	\$530.34	\$88.11
600	\$37.48	\$69.31	\$143.60	\$281.56	\$419.52	\$557.48	\$89.68
650	\$39.04	\$72.44	\$150.38	\$295.13	\$439.87	\$584.61	\$91.24
700	\$40.61	\$75.57	\$157.17	\$308.69	\$460.22	\$611.75	\$92.81
750	\$42.17	\$78.70	\$163.95	\$322.26	\$480.57	\$638.88	\$94.37
800	\$43.74	\$81.84	\$170.73	\$335.83	\$500.92	\$666.02	\$95.94
850	\$45.30	\$84.97	\$177.52	\$349.40	\$521.27	\$693.15	\$97.51
900	\$46.87	\$88.10	\$184.30	\$362.96	\$541.63	\$720.29	\$99.07
1000	\$50.00	\$94.36	\$197.87	\$390.10	\$582.33	\$774.56	\$102.20
1200	\$56.26	\$106.88	\$225.00	\$444.37	\$663.74	\$883.10	\$108.46
1400	\$62.52	\$119.41	\$252.14	\$498.64	\$745.14	\$991.64	\$114.73
1500	\$65.65	\$125.67	\$265.71	\$525.78	\$785.84	\$1,045.91	\$117.86
1750	\$73.48	\$141.32	\$299.63	\$593.61	\$887.60	\$1,181.59	\$125.68
2000	\$81.31	\$156.98	\$333.55	\$661.45	\$989.36	\$1,317.27	\$133.51
2500	\$96.96	\$188.29	\$401.38	\$797.13	\$1,192.88	\$1,588.62	\$149.17
3000	\$112.62	\$219.60	\$469.22	\$932.81	\$1,396.39	\$1,859.97	\$164.82
3500	\$128.27	\$250.91	\$537.06	\$1,068.48	\$1,599.91	\$2,131.33	\$180.48
4000	\$156.98	\$308.32	\$661.45	\$1,317.27	\$1,973.08	\$2,628.90	\$261.39
5000	\$188.29	\$370.94	\$797.13	\$1,588.62	\$2,380.11	\$3,171.60	\$292.70
6000	\$219.60	\$433.56	\$932.81	\$1,859.97	\$2,787.14	\$3,714.31	\$324.01
7000	\$250.91	\$496.18	\$1,068.48	\$2,131.33	\$3,194.17	\$4,257.02	\$355.32

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 1, Hauled Water FY2017 July 1, 2016 through June 30, 2017**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$22.69	\$39.52	\$78.79	\$151.72	\$224.64	\$297.57	
150	\$24.32	\$42.78	\$85.84	\$165.83	\$245.81	\$325.79	
200	\$25.95	\$46.03	\$92.90	\$179.94	\$266.97	\$354.01	\$80.24
250	\$27.58	\$49.29	\$99.96	\$194.05	\$288.14	\$382.23	\$81.87
300	\$29.21	\$52.55	\$107.01	\$208.16	\$309.30	\$410.45	\$83.50
350	\$30.83	\$55.80	\$114.07	\$222.27	\$330.47	\$438.67	\$85.12
400	\$32.46	\$59.06	\$121.12	\$236.38	\$351.64	\$466.89	\$86.75
450	\$34.09	\$62.32	\$128.18	\$250.49	\$372.80	\$495.11	\$88.38
500	\$35.72	\$65.57	\$135.23	\$264.60	\$393.97	\$523.33	\$90.01
550	\$37.35	\$68.83	\$142.29	\$278.71	\$415.13	\$551.55	\$91.64
600	\$38.97	\$72.08	\$149.34	\$292.82	\$436.30	\$579.78	\$93.27
650	\$40.60	\$75.34	\$156.40	\$306.93	\$457.46	\$608.00	\$94.89
700	\$42.23	\$78.60	\$163.45	\$321.04	\$478.63	\$636.22	\$96.52
750	\$43.86	\$81.85	\$170.51	\$335.15	\$499.79	\$664.44	\$98.15
800	\$45.49	\$85.11	\$177.56	\$349.26	\$520.96	\$692.66	\$99.78
850	\$47.11	\$88.37	\$184.62	\$363.37	\$542.13	\$720.88	\$101.41
900	\$48.74	\$91.62	\$191.67	\$377.48	\$563.29	\$749.10	\$103.03
1000	\$52.00	\$98.13	\$205.78	\$405.70	\$605.62	\$805.54	\$106.29
1200	\$58.51	\$111.16	\$234.00	\$462.14	\$690.28	\$918.42	\$112.80
1400	\$65.02	\$124.18	\$262.22	\$518.59	\$774.95	\$1,031.31	\$119.32
1500	\$68.28	\$130.70	\$276.34	\$546.81	\$817.28	\$1,087.75	\$122.57
1750	\$76.42	\$146.98	\$311.61	\$617.36	\$923.11	\$1,228.85	\$130.71
2000	\$84.56	\$163.26	\$346.89	\$687.91	\$1,028.93	\$1,369.96	\$138.85
2500	\$100.84	\$195.82	\$417.44	\$829.01	\$1,240.59	\$1,652.17	\$155.13
3000	\$117.12	\$228.38	\$487.99	\$970.12	\$1,452.25	\$1,934.37	\$171.42
3500	\$133.41	\$260.95	\$558.54	\$1,111.22	\$1,663.90	\$2,216.58	\$187.70
4000	\$163.26	\$320.65	\$687.91	\$1,369.96	\$2,052.00	\$2,734.05	\$271.84
5000	\$195.82	\$385.78	\$829.01	\$1,652.17	\$2,475.32	\$3,298.47	\$304.40
6000	\$228.38	\$450.90	\$970.12	\$1,934.37	\$2,898.63	\$3,862.88	\$336.97
7000	\$260.95	\$516.03	\$1,111.22	\$2,216.58	\$3,321.94	\$4,427.30	\$369.53

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 1, Hauled Water FY2018 July 1, 2017 through June 30, 2018**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$23.60	\$41.10	\$81.94	\$157.78	\$233.63	\$309.47	
150	\$25.29	\$44.49	\$89.28	\$172.46	\$255.64	\$338.82	
200	\$26.99	\$47.88	\$96.62	\$187.13	\$277.65	\$368.17	\$83.45
250	\$28.68	\$51.26	\$103.95	\$201.81	\$299.66	\$397.52	\$85.14
300	\$30.37	\$54.65	\$111.29	\$216.48	\$321.68	\$426.87	\$86.84
350	\$32.07	\$58.04	\$118.63	\$231.16	\$343.69	\$456.22	\$88.53
400	\$33.76	\$61.42	\$125.97	\$245.83	\$365.70	\$485.57	\$90.22
450	\$35.45	\$64.81	\$133.30	\$260.51	\$387.71	\$514.92	\$91.92
500	\$37.15	\$68.19	\$140.64	\$275.18	\$409.72	\$544.27	\$93.61
550	\$38.84	\$71.58	\$147.98	\$289.86	\$431.74	\$573.62	\$95.30
600	\$40.53	\$74.97	\$155.32	\$304.53	\$453.75	\$602.97	\$97.00
650	\$42.23	\$78.35	\$162.65	\$319.21	\$475.76	\$632.32	\$98.69
700	\$43.92	\$81.74	\$169.99	\$333.88	\$497.77	\$661.67	\$100.38
750	\$45.61	\$85.13	\$177.33	\$348.56	\$519.79	\$691.02	\$102.08
800	\$47.31	\$88.51	\$184.66	\$363.23	\$541.80	\$720.36	\$103.77
850	\$49.00	\$91.90	\$192.00	\$377.91	\$563.81	\$749.71	\$105.46
900	\$50.69	\$95.29	\$199.34	\$392.58	\$585.82	\$779.06	\$107.16
1000	\$54.08	\$102.06	\$214.01	\$421.93	\$629.85	\$837.76	\$110.54
1200	\$60.85	\$115.61	\$243.36	\$480.63	\$717.90	\$955.16	\$117.31
1400	\$67.62	\$129.15	\$272.71	\$539.33	\$805.94	\$1,072.56	\$124.09
1500	\$71.01	\$135.92	\$287.39	\$568.68	\$849.97	\$1,131.26	\$127.47
1750	\$79.48	\$152.86	\$324.08	\$642.05	\$960.03	\$1,278.01	\$135.94
2000	\$87.94	\$169.79	\$360.76	\$715.43	\$1,070.09	\$1,424.76	\$144.41
2500	\$104.88	\$203.65	\$434.14	\$862.18	\$1,290.21	\$1,718.25	\$161.34
3000	\$121.81	\$237.52	\$507.51	\$1,008.92	\$1,510.34	\$2,011.75	\$178.27
3500	\$138.74	\$271.38	\$580.88	\$1,155.67	\$1,730.46	\$2,305.24	\$195.20
4000	\$169.79	\$333.48	\$715.43	\$1,424.76	\$2,134.08	\$2,843.41	\$282.72
5000	\$203.65	\$401.21	\$862.18	\$1,718.25	\$2,574.33	\$3,430.41	\$316.58
6000	\$237.52	\$468.94	\$1,008.92	\$2,011.75	\$3,014.57	\$4,017.40	\$350.45
7000	\$271.38	\$536.67	\$1,155.67	\$2,305.24	\$3,454.82	\$4,604.39	\$384.31

NOTES FROM CITY CLERK ON ORD. 14-12

B. Hauled water delivery services for zone two, involving the following capacities, frequencies, extra call charges and rates are:

**Zone 2 Hauled Water Rates**

**Monthly Rates Zone 2, Hauled Water FY2014 Through June 30, 2014**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$29.90	\$54.96	\$113.44	\$222.04	\$330.64	\$439.25	
150	\$31.24	\$57.64	\$119.25	\$233.67	\$348.09	\$462.51	
200	\$32.58	\$60.33	\$125.07	\$245.30	\$365.54	\$485.77	\$122.09
250	\$33.92	\$63.01	\$130.89	\$256.94	\$382.99	\$509.04	\$123.43
300	\$35.26	\$65.70	\$136.70	\$268.57	\$400.44	\$532.30	\$124.78
350	\$36.61	\$68.38	\$142.52	\$280.20	\$417.88	\$555.57	\$126.12
400	\$37.95	\$71.06	\$148.33	\$291.83	\$435.33	\$578.83	\$127.46
450	\$39.29	\$73.75	\$154.15	\$303.46	\$452.78	\$602.10	\$128.80
500	\$40.63	\$76.43	\$159.97	\$315.10	\$470.23	\$625.36	\$130.14
550	\$41.98	\$79.12	\$165.78	\$326.73	\$487.68	\$648.62	\$131.49
600	\$43.32	\$81.80	\$171.60	\$338.36	\$505.12	\$671.89	\$132.83
650	\$44.66	\$84.49	\$177.41	\$349.99	\$522.57	\$695.15	\$134.17
700	\$46.00	\$87.17	\$183.23	\$361.63	\$540.02	\$718.42	\$135.51
750	\$47.34	\$89.85	\$189.05	\$373.26	\$557.47	\$741.68	\$136.86
800	\$48.69	\$92.54	\$194.86	\$384.89	\$574.92	\$764.94	\$138.20
850	\$50.03	\$95.22	\$200.68	\$396.52	\$592.37	\$788.21	\$139.54
900	\$51.37	\$97.91	\$206.49	\$408.15	\$609.81	\$811.47	\$140.88
1000	\$54.06	\$103.28	\$218.13	\$431.42	\$644.71	\$858.00	\$143.57
1200	\$59.42	\$114.01	\$241.39	\$477.95	\$714.50	\$951.06	\$148.94
1400	\$64.79	\$124.75	\$264.65	\$524.47	\$784.29	\$1,044.12	\$154.30
1500	\$67.48	\$130.12	\$276.29	\$547.74	\$819.19	\$1,090.64	\$156.99
1750	\$74.19	\$143.54	\$305.37	\$605.90	\$906.43	\$1,206.96	\$163.70
2000	\$80.90	\$156.96	\$334.45	\$664.06	\$993.67	\$1,323.29	\$170.41
2500	\$94.32	\$183.81	\$392.61	\$780.38	\$1,168.15	\$1,555.93	\$183.83
3000	\$107.74	\$210.65	\$450.77	\$896.70	\$1,342.64	\$1,788.57	\$197.25
3500	\$121.16	\$237.49	\$508.93	\$1,013.02	\$1,517.12	\$2,021.21	\$210.67
4000	\$156.96	\$309.09	\$664.06	\$1,323.29	\$1,982.51	\$2,641.74	\$335.99
5000	\$183.81	\$362.78	\$780.38	\$1,555.93	\$2,331.48	\$3,107.02	\$362.83
6000	\$210.65	\$416.47	\$896.70	\$1,788.57	\$2,680.44	\$3,572.31	\$389.67
7000	\$237.49	\$470.15	\$1,013.02	\$2,021.21	\$3,029.40	\$4,037.59	\$416.52

**Monthly Rates Zone 2, Hauled Water FY2015 July 1, 2014 through June 30, 2015**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$32.29	\$59.35	\$122.51	\$239.80	\$357.09	\$474.39	
150	\$33.74	\$62.25	\$128.79	\$252.37	\$375.94	\$499.51	
200	\$35.19	\$65.15	\$135.07	\$264.93	\$394.78	\$524.64	\$131.86
250	\$36.64	\$68.05	\$141.36	\$277.49	\$413.63	\$549.76	\$133.31
300	\$38.09	\$70.95	\$147.64	\$290.05	\$432.47	\$574.89	\$134.76
350	\$39.54	\$73.85	\$153.92	\$302.62	\$451.31	\$600.01	\$136.21
400	\$40.99	\$76.75	\$160.20	\$315.18	\$470.16	\$625.14	\$137.66
450	\$42.43	\$79.65	\$166.48	\$327.74	\$489.00	\$650.26	\$139.11
500	\$43.88	\$82.55	\$172.76	\$340.30	\$507.85	\$675.39	\$140.56
550	\$45.33	\$85.45	\$179.04	\$352.87	\$526.69	\$700.51	\$142.01
600	\$46.78	\$88.35	\$185.33	\$365.43	\$545.53	\$725.64	\$143.46
650	\$48.23	\$91.24	\$191.61	\$377.99	\$564.38	\$750.76	\$144.91
700	\$49.68	\$94.14	\$197.89	\$390.56	\$583.22	\$775.89	\$146.35
750	\$51.13	\$97.04	\$204.17	\$403.12	\$602.07	\$801.01	\$147.80
800	\$52.58	\$99.94	\$210.45	\$415.68	\$620.91	\$826.14	\$149.25
850	\$54.03	\$102.84	\$216.73	\$428.24	\$639.75	\$851.27	\$150.70
900	\$55.48	\$105.74	\$223.01	\$440.81	\$658.60	\$876.39	\$152.15
1000	\$58.38	\$111.54	\$235.58	\$465.93	\$696.29	\$926.64	\$155.05
1200	\$64.18	\$123.13	\$260.70	\$516.18	\$771.66	\$1,027.14	\$160.85
1400	\$69.98	\$134.73	\$285.83	\$566.43	\$847.04	\$1,127.64	\$166.65
1500	\$72.87	\$140.53	\$298.39	\$591.56	\$884.73	\$1,177.90	\$169.55
1750	\$80.12	\$155.02	\$329.80	\$654.37	\$978.95	\$1,303.52	\$176.80
2000	\$87.37	\$169.52	\$361.20	\$717.18	\$1,073.17	\$1,429.15	\$184.04
2500	\$101.87	\$198.51	\$424.02	\$842.81	\$1,261.61	\$1,680.40	\$198.54
3000	\$116.36	\$227.50	\$486.83	\$968.44	\$1,450.05	\$1,931.66	\$213.03
3500	\$130.86	\$256.49	\$549.64	\$1,094.06	\$1,638.49	\$2,182.91	\$227.53
4000	\$169.52	\$333.82	\$717.18	\$1,429.15	\$2,141.11	\$2,853.08	\$362.86
5000	\$198.51	\$391.80	\$842.81	\$1,680.40	\$2,517.99	\$3,355.58	\$391.86
6000	\$227.50	\$449.78	\$968.44	\$1,931.66	\$2,894.87	\$3,858.09	\$420.85
7000	\$256.49	\$507.76	\$1,094.06	\$2,182.91	\$3,271.75	\$4,360.60	\$449.84

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 2, Hauled Water FY2016 July 1, 2015 through June 30, 2016**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$34.87	\$64.10	\$132.31	\$258.99	\$385.66	\$512.34	
150	\$36.44	\$67.23	\$139.10	\$272.55	\$406.01	\$539.47	
200	\$38.00	\$70.37	\$145.88	\$286.12	\$426.36	\$566.61	\$142.41
250	\$39.57	\$73.50	\$152.66	\$299.69	\$446.72	\$593.74	\$143.97
300	\$41.13	\$76.63	\$159.45	\$313.26	\$467.07	\$620.88	\$145.54
350	\$42.70	\$79.76	\$166.23	\$326.83	\$487.42	\$648.01	\$147.10
400	\$44.26	\$82.89	\$173.02	\$340.39	\$507.77	\$675.15	\$148.67
450	\$45.83	\$86.02	\$179.80	\$353.96	\$528.12	\$702.28	\$150.24
500	\$47.39	\$89.15	\$186.58	\$367.53	\$548.47	\$729.42	\$151.80
550	\$48.96	\$92.28	\$193.37	\$381.10	\$568.83	\$756.55	\$153.37
600	\$50.53	\$95.41	\$200.15	\$394.66	\$589.18	\$783.69	\$154.93
650	\$52.09	\$98.54	\$206.94	\$408.23	\$609.53	\$810.83	\$156.50
700	\$53.66	\$101.68	\$213.72	\$421.80	\$629.88	\$837.96	\$158.06
750	\$55.22	\$104.81	\$220.50	\$435.37	\$650.23	\$865.10	\$159.63
800	\$56.79	\$107.94	\$227.29	\$448.93	\$670.58	\$892.23	\$161.19
850	\$58.35	\$111.07	\$234.07	\$462.50	\$690.93	\$919.37	\$162.76
900	\$59.92	\$114.20	\$240.85	\$476.07	\$711.29	\$946.50	\$164.33
1000	\$63.05	\$120.46	\$254.42	\$503.21	\$751.99	\$1,000.77	\$167.46
1200	\$69.31	\$132.99	\$281.56	\$557.48	\$833.40	\$1,109.31	\$173.72
1400	\$75.57	\$145.51	\$308.69	\$611.75	\$914.80	\$1,217.86	\$179.98
1500	\$78.70	\$151.77	\$322.26	\$638.88	\$955.50	\$1,272.13	\$183.11
1750	\$86.53	\$167.43	\$356.18	\$706.72	\$1,057.26	\$1,407.80	\$190.94
2000	\$94.36	\$183.08	\$390.10	\$774.56	\$1,159.02	\$1,543.48	\$198.77
2500	\$110.01	\$214.39	\$457.94	\$910.24	\$1,362.54	\$1,814.83	\$214.42
3000	\$125.67	\$245.70	\$525.78	\$1,045.91	\$1,566.05	\$2,086.19	\$230.08
3500	\$141.32	\$277.01	\$593.61	\$1,181.59	\$1,769.57	\$2,357.54	\$245.73
4000	\$183.08	\$360.52	\$774.56	\$1,543.48	\$2,312.40	\$3,081.32	\$391.89
5000	\$214.39	\$423.15	\$910.24	\$1,814.83	\$2,719.43	\$3,624.03	\$423.20
6000	\$245.70	\$485.77	\$1,045.91	\$2,086.19	\$3,126.46	\$4,166.74	\$454.51
7000	\$277.01	\$548.39	\$1,181.59	\$2,357.54	\$3,533.49	\$4,709.45	\$485.82

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates Zone 2, Hauled Water FY2017 July 1, 2016 through June 30, 2017**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$36.27	\$66.67	\$137.61	\$269.35	\$401.09	\$532.83	
150	\$37.89	\$69.92	\$144.66	\$283.46	\$422.25	\$561.05	
200	\$39.52	\$73.18	\$151.72	\$297.57	\$443.42	\$589.27	\$148.10
250	\$41.15	\$76.44	\$158.77	\$311.68	\$464.58	\$617.49	\$149.73
300	\$42.78	\$79.69	\$165.83	\$325.79	\$485.75	\$645.71	\$151.36
350	\$44.41	\$82.95	\$172.88	\$339.90	\$506.92	\$673.93	\$152.99
400	\$46.03	\$86.20	\$179.94	\$354.01	\$528.08	\$702.15	\$154.62
450	\$47.66	\$89.46	\$186.99	\$368.12	\$549.25	\$730.38	\$156.25
500	\$49.29	\$92.72	\$194.05	\$382.23	\$570.41	\$758.60	\$157.87
550	\$50.92	\$95.97	\$201.10	\$396.34	\$591.58	\$786.82	\$159.50
600	\$52.55	\$99.23	\$208.16	\$410.45	\$612.74	\$815.04	\$161.13
650	\$54.17	\$102.49	\$215.21	\$424.56	\$633.91	\$843.26	\$162.76
700	\$55.80	\$105.74	\$222.27	\$438.67	\$655.08	\$871.48	\$164.39
750	\$57.43	\$109.00	\$229.32	\$452.78	\$676.24	\$899.70	\$166.01
800	\$59.06	\$112.25	\$236.38	\$466.89	\$697.41	\$927.92	\$167.64
850	\$60.69	\$115.51	\$243.43	\$481.00	\$718.57	\$956.14	\$169.27
900	\$62.32	\$118.77	\$250.49	\$495.11	\$739.74	\$984.36	\$170.90
1000	\$65.57	\$125.28	\$264.60	\$523.33	\$782.07	\$1,040.80	\$174.15
1200	\$72.08	\$138.30	\$292.82	\$579.78	\$866.73	\$1,153.69	\$180.67
1400	\$78.60	\$151.33	\$321.04	\$636.22	\$951.39	\$1,266.57	\$187.18
1500	\$81.85	\$157.84	\$335.15	\$664.44	\$993.72	\$1,323.01	\$190.44
1750	\$89.99	\$174.12	\$370.43	\$734.99	\$1,099.55	\$1,464.12	\$198.58
2000	\$98.13	\$190.40	\$405.70	\$805.54	\$1,205.38	\$1,605.22	\$206.72
2500	\$114.42	\$222.97	\$476.25	\$946.65	\$1,417.04	\$1,887.43	\$223.00
3000	\$130.70	\$255.53	\$546.81	\$1,087.75	\$1,628.69	\$2,169.64	\$239.28
3500	\$146.98	\$288.09	\$617.36	\$1,228.85	\$1,840.35	\$2,451.84	\$255.56
4000	\$190.40	\$374.95	\$805.54	\$1,605.22	\$2,404.90	\$3,204.58	\$407.57
5000	\$222.97	\$440.07	\$946.65	\$1,887.43	\$2,828.21	\$3,768.99	\$440.13
6000	\$255.53	\$505.20	\$1,087.75	\$2,169.64	\$3,251.52	\$4,333.41	\$472.69
7000	\$288.09	\$570.32	\$1,228.85	\$2,451.84	\$3,674.83	\$4,897.82	\$505.26

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**Monthly Rates Zone 2, Hauled Water FY2018 July 1, 2017 through June 30, 2018**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$37.72	\$69.33	\$143.11	\$280.12	\$417.13	\$554.14	
150	\$39.41	\$72.72	\$150.45	\$294.80	\$439.14	\$583.49	
200	\$41.10	\$76.11	\$157.78	\$309.47	\$461.16	\$612.84	\$154.03
250	\$42.80	\$79.49	\$165.12	\$324.15	\$483.17	\$642.19	\$155.72
300	\$44.49	\$82.88	\$172.46	\$338.82	\$505.18	\$671.54	\$157.42
350	\$46.18	\$86.27	\$179.80	\$353.49	\$527.19	\$700.89	\$159.11
400	\$47.88	\$89.65	\$187.13	\$368.17	\$549.21	\$730.24	\$160.80
450	\$49.57	\$93.04	\$194.47	\$382.84	\$571.22	\$759.59	\$162.49
500	\$51.26	\$96.43	\$201.81	\$397.52	\$593.23	\$788.94	\$164.19
550	\$52.96	\$99.81	\$209.15	\$412.19	\$615.24	\$818.29	\$165.88
600	\$54.65	\$103.20	\$216.48	\$426.87	\$637.25	\$847.64	\$167.57
650	\$56.34	\$106.59	\$223.82	\$441.54	\$659.27	\$876.99	\$169.27
700	\$58.04	\$109.97	\$231.16	\$456.22	\$681.28	\$906.34	\$170.96
750	\$59.73	\$113.36	\$238.50	\$470.89	\$703.29	\$935.69	\$172.65
800	\$61.42	\$116.75	\$245.83	\$485.57	\$725.30	\$965.04	\$174.35
850	\$63.11	\$120.13	\$253.17	\$500.24	\$747.32	\$994.39	\$176.04
900	\$64.81	\$123.52	\$260.51	\$514.92	\$769.33	\$1,023.74	\$177.73
1000	\$68.19	\$130.29	\$275.18	\$544.27	\$813.35	\$1,082.44	\$181.12
1200	\$74.97	\$143.84	\$304.53	\$602.97	\$901.40	\$1,199.83	\$187.89
1400	\$81.74	\$157.38	\$333.88	\$661.67	\$989.45	\$1,317.23	\$194.67
1500	\$85.13	\$164.16	\$348.56	\$691.02	\$1,033.47	\$1,375.93	\$198.05
1750	\$93.59	\$181.09	\$385.24	\$764.39	\$1,143.53	\$1,522.68	\$206.52
2000	\$102.06	\$198.02	\$421.93	\$837.76	\$1,253.60	\$1,669.43	\$214.99
2500	\$118.99	\$231.89	\$495.30	\$984.51	\$1,473.72	\$1,962.92	\$231.92
3000	\$135.92	\$265.75	\$568.68	\$1,131.26	\$1,693.84	\$2,256.42	\$248.85
3500	\$152.86	\$299.62	\$642.05	\$1,278.01	\$1,913.96	\$2,549.92	\$265.78
4000	\$198.02	\$389.94	\$837.76	\$1,669.43	\$2,501.09	\$3,332.76	\$423.87
5000	\$231.89	\$457.67	\$984.51	\$1,962.92	\$2,941.34	\$3,919.75	\$457.74
6000	\$265.75	\$525.40	\$1,131.26	\$2,256.42	\$3,381.58	\$4,506.74	\$491.60
7000	\$299.62	\$593.13	\$1,278.01	\$2,549.92	\$3,821.83	\$5,093.74	\$525.47

**C. Extra Call Rates:**

1. Residential/commercial extra call, normal hours, will be as follows:

Capacity	Water	Sewer
200 Gallons	\$71.43	\$65.95
250 Gallons	\$74.05	\$67.20
300 Gallons	\$76.67	\$68.45
350 Gallons	\$79.28	\$69.70
400 Gallons	\$81.90	\$70.95

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450 Gallons	\$84.51	\$72.20
500 Gallons	\$87.13	\$73.45
550 Gallons	\$89.75	\$74.68
600 Gallons	\$92.37	\$75.94
650 Gallons	\$94.98	\$77.19
700 Gallons	\$97.59	\$78.43
750 Gallons	\$100.21	\$79.68
800 Gallons	\$102.83	\$80.93
850 Gallons	\$105.45	\$82.17
900 Gallons	\$108.07	\$83.42
1,000 Gallons	\$113.29	\$85.92
1,200 Gallons	\$123.77	\$90.91
1,400 Gallons	\$134.23	\$95.90
1,500 Gallons	\$139.46	\$98.40
1,750 Gallons	\$152.54	\$104.63
2,000 Gallons	\$165.63	\$110.88
2,500 Gallons	\$110.88	\$123.35
3,000 Gallons	\$217.97	\$135.83
3,500 Gallons	\$244.13	\$147.40

1. Residential/commercial extra call after hours shall be the normal hours rate plus seventy five dollars (\$75).

D. Rate for deliveries over three thousand five hundred (3,500) gallons calculated using the three thousand five hundred (3,500) gallon rate plus the rate for additional gallons. Examples:

1. The rate for four thousand five hundred (4,500) gallons is the rate for three thousand five hundred (3,500) gallons plus the rate for one thousand (1,000) gallons.

2. The rate for eight thousand (8,000) gallons is two (2) times the three thousand five hundred (3,500) gallon rate plus one thousand (1,000) gallon rate.

E. ~~C. Residential/Commercial~~ **Water Delivery Services for Outside Fill.** Customers with inside fill shall be charged by the schedule as set by the outside fill rate, and in addition each customer shall be charged a monthly surcharge of fourteen dollars and sixty-three cents (\$14.63) per month. Each inside fill customer is required to have a waiver of liability on file with the finance department.

**Comment [Is5]:** The City of Bethel does supply water to individuals who require an inside fill meaning, there are no external connections to supply water; the utility driver must go inside the home to provide the service.

F. Residential/commercial extra calls from the schedule in subsections (B)(1) and (2) of this section.

G. ~~D.~~ No new services for deliveries more than two (2) times a week shall be established.

H. ~~E. Residential/commercial~~ Piped water rates:

**Comment [Is6]:** Throughout the Ord. the term "residential" and "commercial" are removed. It was determined to be inappropriate to charge commercial customers more simply because they are commercial.

1. Flat rate (nonmetered) ~~Nonmetered:~~ one hundred twenty five dollars and eight cents (\$125.08)

**Comment [Is7]:** See Exhibit 4-8.

FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Through June 30, 2014	July 1, 2014 – June 30, 2015	July 1, 2015 – June 30, 2016	July 1, 2016 – June 30, 2017	July 1, 2017 – June 30, 2018
\$210.24	\$227.06	\$245.22	\$255.03	\$265.23

2. ~~Residential/commercial~~ Metered service per one thousand (1,000) gallons: twenty six dollars and fifty cents (\$26.50) per one thousand (1,000) gallons;

**Comment [Is8]:** See Exhibit 4-8.

FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Through June 30, 2014	July 1, 2014 – June 30, 2015	July 1, 2015 – June 30, 2016	July 1, 2016 – June 30, 2017	July 1, 2017 – June 30, 2018
\$41.35	\$44.66	\$48.23	\$50.16	\$52.16

a. Any nonresidential customer on piped services shall be charged the meter rate.

**Comment [Is9]:** See Definitions Section.

3. Residential metered service: sixty four dollars (\$64.00) flat rate plus two and six tenths cents (\$0.026) per gallon;

4. 3. Water service picked up at the pump house per approximate gallon: three cents (\$0.03) per gallon (seventy five cents (\$0.75) per minute approximately three cents (\$0.03) per gallon).

**Comment [Is10]:** This could be accomplished by adjusting the amount of water distributed meaning:  
 22 Gallons provided for \$0.75 in FY14  
 20.7 Gallons provided for \$0.75 in FY 15  
 19.1 Gallons provided for \$0.75 in FY 16  
 18.3 Gallons provided for \$.75 in FY 17  
 17.6 Gallons provided for \$.75 in FY 18

FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Through June 30, 2014	July 1, 2014 – June 30, 2015	July 1, 2015 – June 30, 2016	July 1, 2016 – June 30, 2017	July 1, 2017 – June 30, 2018
\$0.0336	\$0.0362	\$0.0392	\$0.0408	\$0.0424

**13.16.025 Protection from plumbing failure.**

In cases where a documented plumbing malfunction or breakage occurs in a metered residence, and there is an unusually high water usage, the customer can request a reversal of fees above and beyond an average rate reflecting three (3) months' metered consumption. Such reversal shall be at the discretion of the city administration.

**13.16.030 Sewage service.**

For the providing of residential/commercial sewage service within the city, the following charges shall be made:

A. Hauled sewer evacuation services, involving the following capacities, frequencies, extra haul charges and rates are:

**Comment [Is11]:** Beginning with the Cost of Service for FY2014 and increase a rate of 5% in FY15, 4% FY16, FY17 and FY18. Sewer rates are set to drop from a 4% increase annually to a 3% increase annual come FY 20.

**Monthly Rates, Hauled Sewer FY2014 Through June 30, 2014**

Capacity	<u>1</u> time/month	<u>2</u> times/month	<u>1</u> time/week	<u>2</u> times/week	<u>3</u> times/week	<u>4</u> times/week	Extra Haul
100	\$22.43	\$39.94	\$80.04	\$155.21	\$230.38	\$293.79	
150	\$23.37	\$41.84	\$84.11	\$163.35	\$242.59	\$309.45	
200	\$24.32	\$43.73	\$88.18	\$171.49	\$254.80	\$325.11	\$63.11
250	\$25.27	\$45.63	\$92.25	\$179.63	\$267.01	\$340.76	\$64.01
300	\$26.22	\$47.53	\$96.32	\$187.77	\$279.22	\$356.42	\$64.91
350	\$27.17	\$49.42	\$100.39	\$195.91	\$291.44	\$372.08	\$65.82
400	\$28.12	\$51.32	\$104.46	\$204.05	\$303.65	\$387.73	\$66.72
450	\$29.07	\$53.22	\$108.53	\$212.20	\$315.86	\$403.39	\$67.62
500	\$30.01	\$55.11	\$112.60	\$220.34	\$328.07	\$419.05	\$68.53
550	\$30.96	\$57.01	\$116.67	\$228.48	\$340.29	\$434.71	\$69.43
600	\$31.91	\$58.91	\$120.74	\$236.62	\$352.50	\$450.36	\$70.33
650	\$32.86	\$60.81	\$124.81	\$244.76	\$364.71	\$466.02	\$71.24
700	\$33.81	\$62.70	\$128.88	\$252.90	\$376.92	\$481.68	\$72.14
750	\$34.76	\$64.60	\$132.96	\$261.05	\$389.14	\$497.33	\$73.04
800	\$35.70	\$66.50	\$137.03	\$269.19	\$401.35	\$512.99	\$73.95
850	\$36.65	\$68.39	\$141.10	\$277.33	\$413.56	\$528.65	\$74.85
900	\$37.60	\$70.29	\$145.17	\$285.47	\$425.77	\$544.30	\$75.75
1000	\$39.50	\$74.08	\$153.31	\$301.75	\$450.20	\$575.62	\$77.56
1200	\$43.29	\$81.67	\$169.59	\$334.32	\$499.05	\$638.24	\$81.17
1400	\$47.09	\$89.26	\$185.88	\$366.89	\$547.90	\$700.87	\$84.78
1500	\$48.98	\$93.05	\$194.02	\$383.17	\$572.32	\$732.19	\$86.59
1750	\$53.72	\$102.54	\$214.37	\$423.88	\$633.38	\$810.47	\$91.11
2000	\$58.47	\$112.02	\$234.73	\$464.59	\$694.44	\$888.75	\$95.62
2500	\$67.95	\$130.99	\$275.43	\$546.00	\$816.57	\$1,045.32	\$104.66
3000	\$77.44	\$149.96	\$316.14	\$627.42	\$938.69	\$1,201.89	\$113.69
3500	\$86.92	\$168.93	\$356.85	\$708.83	\$1,060.82	\$1,358.46	\$122.72
4000	\$112.02	\$219.13	\$464.59	\$924.30	\$1,384.02	\$1,772.83	\$191.25
5000	\$130.99	\$257.07	\$546.00	\$1,087.14	\$1,628.27	\$2,085.97	\$209.31
6000	\$149.96	\$295.01	\$627.42	\$1,249.97	\$1,872.52	\$2,399.11	\$227.38
7000	\$168.93	\$332.94	\$708.83	\$1,412.80	\$2,116.77	\$2,712.24	\$245.44

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**Monthly Rates, Hauled Sewer FY2015 July 1, 2014 through June 30, 2015**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$23.55	\$41.94	\$84.04	\$162.97	\$241.89	\$308.48	\$0.00
150	\$24.54	\$43.93	\$88.31	\$171.51	\$254.72	\$324.92	\$0.00
200	\$25.54	\$45.92	\$92.59	\$180.06	\$267.54	\$341.36	\$66.26
250	\$26.54	\$47.91	\$96.86	\$188.61	\$280.36	\$357.80	\$67.21
300	\$27.53	\$49.90	\$101.13	\$197.16	\$293.19	\$374.24	\$68.16
350	\$28.53	\$51.90	\$105.41	\$205.71	\$306.01	\$390.68	\$69.11
400	\$29.52	\$53.89	\$109.68	\$214.26	\$318.83	\$407.12	\$70.05
450	\$30.52	\$55.88	\$113.96	\$222.81	\$331.65	\$423.56	\$71.00
500	\$31.51	\$57.87	\$118.23	\$231.35	\$344.48	\$440.00	\$71.95
550	\$32.51	\$59.86	\$122.51	\$239.90	\$357.30	\$456.44	\$72.90
600	\$33.51	\$61.85	\$126.78	\$248.45	\$370.12	\$472.88	\$73.85
650	\$34.50	\$63.85	\$131.05	\$257.00	\$382.95	\$489.32	\$74.80
700	\$35.50	\$65.84	\$135.33	\$265.55	\$395.77	\$505.76	\$75.75
750	\$36.49	\$67.83	\$139.60	\$274.10	\$408.59	\$522.20	\$76.69
800	\$37.49	\$69.82	\$143.88	\$282.65	\$421.42	\$538.64	\$77.64
850	\$38.49	\$71.81	\$148.15	\$291.20	\$434.24	\$555.08	\$78.59
900	\$39.48	\$73.80	\$152.43	\$299.74	\$447.06	\$571.52	\$79.54
1000	\$41.47	\$77.79	\$160.98	\$316.84	\$472.71	\$604.40	\$81.44
1200	\$45.46	\$85.75	\$178.07	\$351.04	\$524.00	\$670.16	\$85.23
1400	\$49.44	\$93.72	\$195.17	\$385.23	\$575.29	\$735.92	\$89.02
1500	\$51.43	\$97.71	\$203.72	\$402.33	\$600.94	\$768.79	\$90.92
1750	\$56.41	\$107.66	\$225.09	\$445.07	\$665.05	\$850.99	\$95.66
2000	\$61.39	\$117.62	\$246.46	\$487.81	\$729.17	\$933.19	\$100.40
2500	\$71.35	\$137.54	\$289.20	\$573.30	\$857.40	\$1,097.59	\$109.89
3000	\$81.31	\$157.46	\$331.95	\$658.79	\$985.63	\$1,261.99	\$119.37
3500	\$91.27	\$177.37	\$374.69	\$744.27	\$1,113.86	\$1,426.38	\$128.86
4000	\$117.62	\$230.09	\$487.81	\$970.52	\$1,453.23	\$1,861.47	\$200.81
5000	\$137.54	\$269.92	\$573.30	\$1,141.49	\$1,709.69	\$2,190.27	\$219.78
6000	\$157.46	\$309.76	\$658.79	\$1,312.47	\$1,966.14	\$2,519.06	\$238.75
7000	\$177.37	\$349.59	\$744.27	\$1,483.44	\$2,222.60	\$2,847.86	\$257.72

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**Monthly Rates, Hauled Sewer FY2016 July 1, 2015 through June 30, 2016**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$24.49	\$43.61	\$87.40	\$169.48	\$251.57	\$320.82	\$0.00
150	\$25.52	\$45.69	\$91.84	\$178.37	\$264.91	\$337.92	\$0.00
200	\$26.56	\$47.76	\$96.29	\$187.27	\$278.24	\$355.02	\$68.91
250	\$27.60	\$49.83	\$100.73	\$196.16	\$291.58	\$372.11	\$69.90
300	\$28.63	\$51.90	\$105.18	\$205.05	\$304.91	\$389.21	\$70.88
350	\$29.67	\$53.97	\$109.63	\$213.94	\$318.25	\$406.31	\$71.87
400	\$30.70	\$56.04	\$114.07	\$222.83	\$331.58	\$423.41	\$72.86
450	\$31.74	\$58.11	\$118.52	\$231.72	\$344.92	\$440.50	\$73.84
500	\$32.77	\$60.19	\$122.96	\$240.61	\$358.26	\$457.60	\$74.83
550	\$33.81	\$62.26	\$127.41	\$249.50	\$371.59	\$474.70	\$75.82
600	\$34.85	\$64.33	\$131.85	\$258.39	\$384.93	\$491.80	\$76.80
650	\$35.88	\$66.40	\$136.30	\$267.28	\$398.26	\$508.89	\$77.79
700	\$36.92	\$68.47	\$140.74	\$276.17	\$411.60	\$525.99	\$78.78
750	\$37.95	\$70.54	\$145.19	\$285.06	\$424.94	\$543.09	\$79.76
800	\$38.99	\$72.61	\$149.63	\$293.95	\$438.27	\$560.18	\$80.75
850	\$40.02	\$74.69	\$154.08	\$302.84	\$451.61	\$577.28	\$81.73
900	\$41.06	\$76.76	\$158.52	\$311.73	\$464.94	\$594.38	\$82.72
1000	\$43.13	\$80.90	\$167.41	\$329.51	\$491.62	\$628.57	\$84.69
1200	\$47.27	\$89.19	\$185.20	\$365.08	\$544.96	\$696.96	\$88.64
1400	\$51.42	\$97.47	\$202.98	\$400.64	\$598.30	\$765.35	\$92.58
1500	\$53.49	\$101.61	\$211.87	\$418.42	\$624.97	\$799.55	\$94.56
1750	\$58.67	\$111.97	\$234.09	\$462.87	\$691.65	\$885.03	\$99.49
2000	\$63.85	\$122.33	\$256.32	\$507.33	\$758.33	\$970.52	\$104.42
2500	\$74.20	\$143.04	\$300.77	\$596.23	\$891.69	\$1,141.49	\$114.28
3000	\$84.56	\$163.76	\$345.23	\$685.14	\$1,025.05	\$1,312.47	\$124.15
3500	\$94.92	\$184.47	\$389.68	\$774.05	\$1,158.41	\$1,483.44	\$134.01
4000	\$122.33	\$239.29	\$507.33	\$1,009.34	\$1,511.35	\$1,935.93	\$208.84
5000	\$143.04	\$280.72	\$596.23	\$1,187.15	\$1,778.07	\$2,277.88	\$228.57
6000	\$163.76	\$322.15	\$685.14	\$1,364.96	\$2,044.79	\$2,619.82	\$248.30
7000	\$184.47	\$363.58	\$774.05	\$1,542.78	\$2,311.51	\$2,961.77	\$268.03

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**Monthly Rates, Hauled Sewer FY2017 July 1, 2016 through June 30, 2017**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$25.47	\$45.36	\$90.89	\$176.26	\$261.63	\$333.66	\$0.00
150	\$26.55	\$47.51	\$95.52	\$185.51	\$275.50	\$351.44	\$0.00
200	\$27.62	\$49.67	\$100.14	\$194.76	\$289.37	\$369.22	\$71.67
250	\$28.70	\$51.82	\$104.76	\$204.00	\$303.24	\$387.00	\$72.69
300	\$29.78	\$53.98	\$109.39	\$213.25	\$317.11	\$404.78	\$73.72
350	\$30.85	\$56.13	\$114.01	\$222.49	\$330.98	\$422.56	\$74.75
400	\$31.93	\$58.28	\$118.63	\$231.74	\$344.85	\$440.34	\$75.77
450	\$33.01	\$60.44	\$123.26	\$240.99	\$358.72	\$458.12	\$76.80
500	\$34.09	\$62.59	\$127.88	\$250.23	\$372.59	\$475.90	\$77.82
550	\$35.16	\$64.75	\$132.50	\$259.48	\$386.46	\$493.69	\$78.85
600	\$36.24	\$66.90	\$137.13	\$268.73	\$400.33	\$511.47	\$79.87
650	\$37.32	\$69.06	\$141.75	\$277.97	\$414.20	\$529.25	\$80.90
700	\$38.39	\$71.21	\$146.37	\$287.22	\$428.06	\$547.03	\$81.93
750	\$39.47	\$73.36	\$151.00	\$296.46	\$441.93	\$564.81	\$82.95
800	\$40.55	\$75.52	\$155.62	\$305.71	\$455.80	\$582.59	\$83.98
850	\$41.63	\$77.67	\$160.24	\$314.96	\$469.67	\$600.37	\$85.00
900	\$42.70	\$79.83	\$164.86	\$324.20	\$483.54	\$618.15	\$86.03
1000	\$44.86	\$84.14	\$174.11	\$342.70	\$511.28	\$653.72	\$88.08
1200	\$49.17	\$92.75	\$192.60	\$379.68	\$566.76	\$724.84	\$92.18
1400	\$53.47	\$101.37	\$211.10	\$416.67	\$622.24	\$795.97	\$96.29
1500	\$55.63	\$105.68	\$220.34	\$435.16	\$649.97	\$831.53	\$98.34
1750	\$61.01	\$116.45	\$243.46	\$481.39	\$719.32	\$920.43	\$103.47
2000	\$66.40	\$127.22	\$266.57	\$527.62	\$788.67	\$1,009.34	\$108.60
2500	\$77.17	\$148.76	\$312.80	\$620.08	\$927.36	\$1,187.15	\$118.86
3000	\$87.94	\$170.31	\$359.04	\$712.54	\$1,066.05	\$1,364.96	\$129.11
3500	\$98.71	\$191.85	\$405.27	\$805.01	\$1,204.75	\$1,542.78	\$139.37
4000	\$127.22	\$248.86	\$527.62	\$1,049.71	\$1,571.81	\$2,013.37	\$217.20
5000	\$148.76	\$291.95	\$620.08	\$1,234.64	\$1,849.20	\$2,368.99	\$237.71
6000	\$170.31	\$335.03	\$712.54	\$1,419.56	\$2,126.58	\$2,724.62	\$258.23
7000	\$191.85	\$378.12	\$805.01	\$1,604.49	\$2,403.97	\$3,080.24	\$278.75

NOTES FROM CITY CLERK ON ORD. 14-12

**Monthly Rates, Hauled Sewer FY2018 July 1, 2017 through June 30, 2018**

Capacity	<u>1</u> time/month	<u>2</u> times/month	<u>1</u> time/week	<u>2</u> times/week	<u>3</u> times/week	<u>4</u> times/week	Extra Haul
100	\$26.49	\$47.17	\$94.53	\$183.31	\$272.10	\$347.00	\$0.00
150	\$27.61	\$49.41	\$99.34	\$192.93	\$286.52	\$365.49	\$0.00
200	\$28.73	\$51.65	\$104.15	\$202.55	\$300.95	\$383.99	\$74.53
250	\$29.85	\$53.89	\$108.95	\$212.16	\$315.37	\$402.48	\$75.60
300	\$30.97	\$56.13	\$113.76	\$221.78	\$329.79	\$420.97	\$76.67
350	\$32.09	\$58.38	\$118.57	\$231.39	\$344.22	\$439.46	\$77.74
400	\$33.21	\$60.62	\$123.38	\$241.01	\$358.64	\$457.96	\$78.80
450	\$34.33	\$62.86	\$128.19	\$250.63	\$373.07	\$476.45	\$79.87
500	\$35.45	\$65.10	\$132.99	\$260.24	\$387.49	\$494.94	\$80.94
550	\$36.57	\$67.34	\$137.80	\$269.86	\$401.91	\$513.43	\$82.00
600	\$37.69	\$69.58	\$142.61	\$279.47	\$416.34	\$531.93	\$83.07
650	\$38.81	\$71.82	\$147.42	\$289.09	\$430.76	\$550.42	\$84.14
700	\$39.93	\$74.06	\$152.23	\$298.71	\$445.19	\$568.91	\$85.20
750	\$41.05	\$76.30	\$157.03	\$308.32	\$459.61	\$587.40	\$86.27
800	\$42.17	\$78.54	\$161.84	\$317.94	\$474.04	\$605.90	\$87.34
850	\$43.29	\$80.78	\$166.65	\$327.56	\$488.46	\$624.39	\$88.40
900	\$44.41	\$83.02	\$171.46	\$337.17	\$502.88	\$642.88	\$89.47
1000	\$46.65	\$87.50	\$181.08	\$356.40	\$531.73	\$679.87	\$91.60
1200	\$51.13	\$96.46	\$200.31	\$394.87	\$589.43	\$753.84	\$95.87
1400	\$55.61	\$105.42	\$219.54	\$433.33	\$647.12	\$827.80	\$100.14
1500	\$57.85	\$109.91	\$229.16	\$452.56	\$675.97	\$864.79	\$102.27
1750	\$63.45	\$121.11	\$253.20	\$500.64	\$748.09	\$957.25	\$107.61
2000	\$69.06	\$132.31	\$277.24	\$548.72	\$820.21	\$1,049.71	\$112.94
2500	\$80.26	\$154.71	\$325.32	\$644.89	\$964.45	\$1,234.64	\$123.61
3000	\$91.46	\$177.12	\$373.40	\$741.05	\$1,108.70	\$1,419.56	\$134.28
3500	\$102.66	\$199.52	\$421.48	\$837.21	\$1,252.94	\$1,604.49	\$144.95
4000	\$132.31	\$258.82	\$548.72	\$1,091.70	\$1,634.68	\$2,093.90	\$225.88
5000	\$154.71	\$303.63	\$644.89	\$1,284.02	\$1,923.16	\$2,463.75	\$247.22
6000	\$177.12	\$348.43	\$741.05	\$1,476.35	\$2,211.65	\$2,833.60	\$268.56
7000	\$199.52	\$393.24	\$837.21	\$1,668.67	\$2,500.13	\$3,203.45	\$289.90

**A. Evacuation Service:**

1. a. On schedule, per rates in the schedule in BMC 13.16.020(B).

b. In addition to usage charges under BMC 13.16.020(B) and (H), sewer customers shall pay five dollars (\$5) monthly per sewer subscription for facility charges to recover the cost of sewer system capital improvements and depreciation.

c. For sewer tank evacuations less frequent than water deliveries, sewer rate is determined from the sum of regular water deliveries between sewer tank evacuations. For sewer customers without water service, the sewer rate will be based on the size of the sewer tank.

NOTES FROM CITY CLERK ON ORD. 14-12

2. Residential/commercial extra call rates are from the schedule in BMC 13.16.020(C)(1) and (2).

B. No new services for evacuation more than two (2) times a week will be established.

C. Piped sewer service:

1. Flat rate Nonmetered per month per dwelling unit (metered and nonmetered service): ~~thirty three dollars and ninety two cents (\$33.92)~~, per month per dwelling unit.

Comment [Is12]: See Exhibit 4-14

FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Through June 30, 2014	July 1, 2014 – June 30, 2015	July 1, 2015 – June 30, 2016	July 1, 2016 – June 30, 2017	July 1, 2017 – June 30, 2018
\$52.68	\$55.32	\$57.53	\$59.83	\$62.22

2. Commercial-Metered service per one thousand (1,000) gallons: ~~seventeen dollars and forty nine cents (\$17.49)~~ per one thousand (1,000) gallons.

FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Through June 30, 2014	July 1, 2014 – June 30, 2015	July 1, 2015 – June 30, 2016	July 1, 2016 – June 30, 2017	July 1, 2017 – June 30, 2018
\$9.55	\$10.03	\$10.43	\$10.85	\$11.28

a. Any nonresidential customer on piped services shall be charged the meter rate.

D. Sewage service dumped at the municipal sewage lagoon: ~~four dollars and thirty nine cents (\$4.39)~~ per one thousand (1,000) gallons.

**13.16.035 Hauled water /sewer services extra call/haul request.**

A. Any hauled water customer may request an extra call for water delivery on a form provided by the finance department indicating the number of gallons of water requested. Each extra call for water delivery will have a corresponding extra haul for sewer evacuation at the rate corresponding to the number gallons requested for the extra call for water, to be paid at the same time as the extra call for water.

Comment [Is13]: The Utilities Dept. had concerns that when getting an extra call for water service without an extra call for sewer services, there could potentially be an overflowing of the sewer tank. This was established to prevent that from occurring.

B. Hauled services extra call after regular business hours shall be the corresponding rate listed in BMC 13.16.020 A or B or 13.16.030 A depending on the type of service and the zone, plus one hundred and fifty dollars (\$150).

Comment [Is14]: This charge was increased from \$75 to \$150 to better reflect the actual costs for the after hours service.

**13.16.040 Renewal and replacement fund recovery rate:**

Comment [Is15]: See Exhibit 5-5. Annual Target amount of \$500,000.

Check with Hansel to make sure this can be set aside assuming the full account is fully funded (in the black)

A. Hauled water and sewer delivery services replacement fund recovery rates per 1,000 gallons are:

<u>Hauled Water</u>	<u>Hauled Sewer</u>
<u>\$2.10</u>	<u>\$1.59</u>

B. Nonmetered subscription replacement fund recovery rates are:

<u>Flat Rate Water</u>	<u>Flat Rate Sewer</u>
<u>\$16.35</u>	<u>\$16.35</u>

**Comment [Is16]:** See Exhibit 5-5.  
Based on an estimated usage 5,000 gallons per month.

C. Metered water and sewer subscription replacement fund recovery rates per 1,000 gallons of water supplied are:

<u>Metered Water</u>	<u>Metered Sewer</u>
<u>\$3.27</u>	<u>\$3.27</u>

**13.16.035 13.16.045 Prepaid services.**

A. Any person or entity may at any time, without regard to subscription to services, status of an account or indebtedness to the city, receive water or sewer service by prepaying.

B. The charge for prepaid services will be the applicable extra call fee. ~~plus a twenty dollar (\$20) administrative fee.~~

**Comment [Is17]:** The extra call fee already includes the costs associated with processing the request.

C. ~~Payment can be made in cash. Other forms of payment will be at the city's discretion.~~

D. ~~C.~~ The city can refuse service under this section if the customer does not have a suitable tank or reasonable access.

**13.16.040-13.16.050 Holidays.**

The monthly residential/commercial rates charges for the collection of garbage, rubbish and waste material, delivery of water and removal of sewage within the city shall not include providing such services on or during officially recognized city holidays as described in the city's personnel rules.

NOTES FROM CITY CLERK ON ORD. 14-12

**~~13.16.050~~ 13.16.060 Allowance for mechanical malfunctions.**

The monthly residential/commercial rates charged for the collection of garbage, rubbish and waste material, delivery of water and removal of sewage within the city are also established on the basis of three (3) days per year for garbage service, three (3) days per year for water service and three (3) days per year for sewer service which may not be implemented because of mechanical malfunctions experienced by city-owned vehicles engaged in providing the utility services described in this section.

**~~13.16.060~~ 13.16.070 Adjustments for nonservice.**

Customers who do not receive residential/commercial garbage, water or sewer services four (4) or more times a year in each of the utility service areas mentioned in this chapter, excluding officially recognized city holidays, physical or other impediments created by the customer to all residential/commercial garbage, water or sewer areas (e.g., locked doors, the presence of animals) and the three (3) days per year per utility service area which may not be implemented because of mechanical malfunctions experienced by city-owned vehicles engaged in providing the utility services described in this section, may request and shall be granted by the city an adjustment to their utility bills as supported by utility records maintained by the city's public works department and finance department. Such requests by a utility customer shall be made to the city's finance department within thirty (30) days after utility bills are mailed by the city. If a utility customer makes a request for an adjustment to the utility bill after the thirty (30) day time period, such request will be considered invalid by the city.

**~~13.16.070~~ 13.16.080 Senior citizen credit.**

A. Any Bethel citizen at least ~~sixty (60)~~ sixty-five (65) years of age residing in their own household shall receive up to a twenty-five dollars (\$25.00) monthly utility credit, if they are the primary source of income, after making application for such at the city utilities office.

**Comment [Is18]:** Senior Citizen Sales Tax Credit applied to individuals 65 and older.

B. All other Bethel citizens at least sixty (60) years of age that do not meet the conditions of subsection A of this section shall receive up to a ten dollars (\$10) monthly utility credit after making application for such to the city utilities office.

C. Each residential unit shall be limited to one (1) credit application.

**~~13.16.080~~ Nonliability for water damage.**

~~The city shall not be held liable for water damage to any property where the customer has failed to install an adequate operative overflow system, or has failed to keep the overflow line from freezing;~~

**Comment [Is19]:** Section removed, it is listed in the Water Services Title passed by Council last month.

**~~13.16.090~~ 13.16.080 Contractual agreements.**

The city manager shall have the power and authority to enter into contractual arrangements with any person for the provision of any of the services described in this

NOTES FROM CITY CLERK ON ORD. 14-12

chapter at rates or terms different from those set out in this chapter, subject to the approval of the city council.

**SECTION 3. Effective Date.** Subsections 13.16.020 F. 2. a. and 13.16.030 C. 2. a. shall become effective on 1/1/2015.

**Comment [Is20]:** These subsections would require owners of non-residential units to have meters installed. The Council should consider a date they feel would be appropriate if not 1/1/2015.

**SECTION 4. Effective Date.** Except as provided in Section 3 of this ordinance, this ordinance shall become effective no sooner than 60 days and no later than 90 days, after passage of said ordinance.

**ENACTED THIS DAY OF 2014, BY A VOTE OF IN FAVOR AND OPPOSED.**

\_\_\_\_\_  
Joseph A. Klejka, Mayor

ATTEST:

\_\_\_\_\_  
Lori Strickler, City Clerk



# City of Bethel Action Memorandum

Action memorandum No.	13-31		
Date action introduced:	12/10/2013	Introduced by:	Mayor Klejka
Date action taken:		X Approved	<input checked="" type="checkbox"/> Denied
Confirmed by:			

**SUBJECT/ACTION:**

Direct Administration to create ordinances for Council’s consideration, implementing the following items related to the Water and Sewer Cost Allocation and Rate Study.

1. A cost of service rate structure for piped flat rate, metered and hauled water and sewer that sets rates at actual cost of service (COS) as provided in Exhibit 4-8 of the Rate Study. The Ordinance shall also include rates for commercial hauled and piped services and rate adjustments for each year through 2020. (See Exhibit 4-8)

2. Identify a two zoned hauled rate structure (with a map attachment for clear descriptions) in the above mentioned ordinance that will identify the areas of town on each of the zones. Zone two should include Kasayuli Subdivision, Larsen Subdivision, Tundra Ridge Subdivision and the hauled customers near the airport. Zone one, will include all other areas on the hauled system. This zoning should also include any commercial customers.

3. Increase the pumphouse water from \$0.03 per gallon annually by 12 percent for two years (FY 2014/15), 8 percent in FY 2015/16, and 4 percent in FY 2016/17 through FY 2018/19.

4. Establish a renewal and replacement fund balance target of \$500,000 annually. The City has the option of collecting renewal and replacement funds through the monthly subscription fee or through rates however when allocated in the City’s accounting system, the repair and replacement funds should be separate from the monthly billing rates for water and sewer services; see Section 5 of the Study. A percentage of rates for the commercial customers must also be considered.

Route to:	Department/Individual:	Initials:	Remarks:
X	City Manager		
X	Finance Department		
X	Public Works Director		

Attachment(s): City of Bethel Water and Sewer Cost Allocation and Rate Study; Summary of Water and Sewer Cost Allocation and Rate Study provided by Kurt Playstead, CH2MHILL; Exhibit 4-8.

THE UNIVERSITY OF CHICAGO

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# City of Bethel Water and Sewer Cost Allocation and Rate Study

Prepared for  
**City of Bethel**

April 2013

**CH2MHILL®**

949 E. 36th Avenue Suite 500  
Anchorage, AK 99508 US  
(907) 762-1500  
(907) 762-1600



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# Executive Summary

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## Introduction

In September 2012, the City of Bethel (the City) retained CH2M HILL to update its water and sewer rates and conduct a cost of service analysis of the water and sewer utility. The purpose of the update is to project the costs of operating each system through FY 2023, to establish rates to make each utility financially self-sufficient, and to estimate annual depreciation costs.

## Financial Plan

The building blocks of the financial plan are the projections of costs that the City will incur during the 10-year planning period, fiscal year 2013/14 through fiscal year 2022/23, and the revenues, under existing rates, which the City expects to generate during the same period. The financial plan is based on a set of overall assumptions related to customer growth, inflation, and other factors.

For this analysis, the water and sewer utility were analyzed as separate enterprise funds, with each utility expected to generate sufficient revenues to cover its projected costs. For those revenues that are shared between the water and sewer utility (i.e. Miscellaneous Revenues), revenues were allocated based on each utility's share of total revenues. For expenditures that are shared between the utilities (i.e. Utility Billing), costs were allocated based on number of customers.

## Revenue Requirements

The costs in the plan that are to be funded from annual revenues are referred to as 'revenue requirements' for rate-making purposes. The financial plan was developed using the cash-needs approach to projecting total revenue requirements for the utility. The basis of the cash-needs approach is that the revenues of the utility must be sufficient to cover all cash needs over the analysis period, including current or projected debt obligations. The cash-needs approach does not include depreciation expense, which is a non-cash item.

Total requirements are composed of:

- Operations and maintenance costs, including administrative and support services.
- Annual capital improvement projects funded directly from rate revenues and reserves.
- Debt service requirements for existing and projected debt issuances.
- Transfers to the City's general fund and other funds for indirect and direct services provided to the utility (i.e. Administrative and IT services). Interfund services are included in the utility's operating expenses.

In addition, annual requirements include operating contingencies equal to 30 days of annual O&M costs. However, 100 percent of annual contingencies are assumed to be unspent and roll forward to subsequent year beginning balances.

The City does not have any existing debt service expenditures, and future capital outlays are all assumed to be 100% grant funded, thus there are not any capital improvement projects that will be funded from rate revenues, nor are there any future debt service costs.

The City currently collects, in addition to its water and sewer rates, a \$5 monthly fee per customer to fund a renewal and replacement account. Funding of this account and the structure of this renewal and replacement charge is considered separately from the water and sewer rates.

Revenue requirements were projected based on data provided by the City, including actual revenues and expenditures for FY 2008/09 through FY 2010/11 and adopted budgets for FY 2011/12 and FY 2012/13.

## Rate Impacts

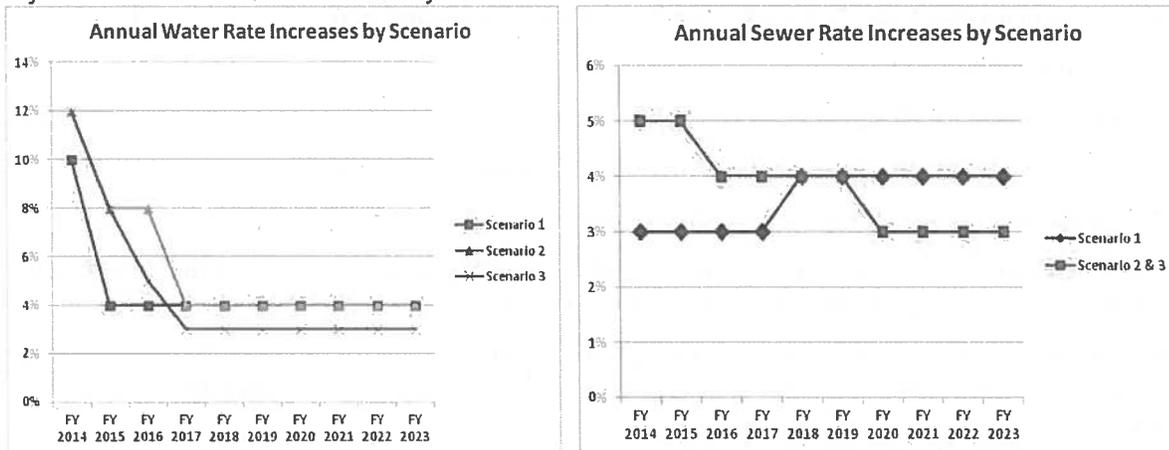
Currently, the water and sewer utility is not generating adequate revenues to cover operating expenses. In FY 2010/11, the Water and Sewer Utility fund received an interfund transfer from the General Fund in the amount of \$667,000 to offset operating losses. In the next two budget cycles, the Water and Sewer Utility Fund is expected to require additional transfers from the General Fund to cover operating expenses, unless an offsetting rate revenue adjustment is made. Additional rate revenue is required to set the utility on a path towards financial stability.

Three different scenarios were analyzed:

- Scenario 1: This scenario assumes the water and sewer utility fund will continue to receive transfers from the General Fund to help offset operating losses. The amount of the transfer will be approximately \$450,000 per year with \$300,000 going towards the water utility and \$150,000 towards the sewer utility.
- Scenario 2: This scenario will phase out the annual transfers from the General Fund over three years and program the appropriate water and sewer rate increases required for the utility to achieve full cost recovery. This scenario also builds in an operating contingency of 30 days of operating expenses. However, 100 percent of annual contingencies are assumed to be unspent and roll forward to subsequent year beginning balances.
- Scenario 3: Scenario 3 includes the same assumptions as Scenario 2. It also assumes piped water service will be extended to the Institutional Corridor. This adds about \$320,000 in operating expenses, beginning in FY 2016. However, it also adds about \$456,000 in revenues beginning in FY 2016.

Exhibit ES-1 presents the projected annual rate revenue adjustments under each scenario. Under Scenario 1, water rates would be increased by 10 percent increase in FY 2013/14 and 4 percent increases in each of the following years. The sewer utility increases will be three to four percent per year for the entire analysis period.

EXHIBIT ES-1  
Annual Water and Sewer Rate Increases by Scenario  
City of Bethel Water and Sewer Rate Study



When compared to Scenario 1, Scenario 2 projects a larger increase in revenue requirements because the transfer from the General Fund is phased out by FY 2015/16 and an operating contingency has been introduced. However, the larger increases also provide the utility with a growing ending balance that reaches approximately \$1.2 million at the end of the analysis period.

Scenario 2 would implement a 12 percent increase in water rates in FY 2013/14, 8 percent in FY 2014/15 and FY 2015/16, and 4 percent increases each of the following years. The sewer utility would need to adopt 5 percent increases from FY 2013/14 through FY 2014/15, 4 percent increases from FY 2015/16 through FY 2108/19 and 3 percent increases the remaining years of the analysis.

Under Scenario 3, the additional revenues from the Institutional Corridor are expected to more than offset the additional costs of serving these customers, and thus result in slightly smaller rate increases when compared to Scenario 2. This scenario will also provide the utility with the largest ending balance that reaches approximately \$1.3 million by the end of the analysis period.

Scenario 3 assumes the City would implement a 12 percent increase in water rates in FY 2013/14, an 8 percent increase in FY 2014/15, a 5 percent increase in FY 2015/16, and 3 percent increases in each of the following years. The sewer rates would experience the same rate increases as Scenario 2.

## Financial Plan Summary

Based on the study findings summarized in previous sections, the City will need to consider increasing rates in future years to continue to meet the financial needs of the system under any of the scenarios analyzed. Scenario 1 will result in the smallest rate impact as the transfers from the General Fund will help offset operating losses. However this scenario is not a long-term, financially sustainable solution if the goal is to make the water and sewer utility self-sustaining. Both Scenarios 2 and 3 put the water and sewer fund on a stronger financial path and establish similar reserves by the end of the analysis. Scenario 2 requires slightly larger rate increases than Scenario 3 because it does not have the benefit of the additional revenues projected from the addition of the Institutional Corridor customers.

Subsequent analyses presented in this report utilized the revenue requirements developed for Scenario 2 as this scenario puts the water and sewer utility on a path towards financial sustainability.

The projected rate increases presented are based on the available data and assumptions developed by the City and CH2M HILL as of March 2013. The City should review the financial plan regularly to ensure actual revenues and expenditures are tracking with the projections developed in this analysis. The City should review the financial plan annually and adjust the rates as needed to reflect current conditions and assumptions.

## Allocation of System Costs

### Water System Cost Allocations

A cost of service analysis for the water system was conducted. This analysis allocated the system costs to system functions (water treatment, piped water distribution, hauled water distribution, etc.). The costs allocated to each system function were then allocated to users based on their use of those functions. Thus piped water system customers were allocated a portion of the water treatment costs based on their share of the total water treated, and all of the piped water costs.

Exhibit ES-2 presents a summary of the customer class service characteristics. Hauled water customers are charged based on the capacity of their water tank while metered piped customers are billed on consumption. It was assumed that provide service to customers in Zone 2 of a two zone system takes about twice as long to serve as customers located closer to town.

EXHIBIT ES-2  
Water Service Characteristic Billing Units by Customer Class, FY2013  
City of Bethel Water and Sewer Rate Study

User Characteristics	Hauled	Piped	Total
No. of Customers	1,037	435	1,472
Plant Demand	31,057,646	46,263,490	77,321,136
% of Total Demand	40%	60%	
Estimated Billed Capacity/Usage	45,646,250	32,409,741	77,322,608
Residential Piped Usage Estimate		23,678,156	
Commercial Piped Usage Estimate		8,731,585	

EXHIBIT ES-2  
 Water Service Characteristic Billing Units by Customer Class, FY2013  
 City of Bethel Water and Sewer Rate Study

User Characteristics	Hauled	Piped	Total
Single Zone Total Equivalent Deliveries	58,070		58,070
Two-Zone Total Equivalent Deliveries			
Zone 1	38,154		
Zone 2	39,832		

The unit costs are presented in Exhibit ES-3. Based on the unit costs calculated in Exhibit ES-3 and the demands for service at the customer class level presented in Exhibit ES-2, the service characteristic costs associated with providing service to each customer class are calculated.

EXHIBIT ES-3  
 Development of Billing Unit Costs, FY2013  
 City of Bethel Water and Sewer Rate Study

Unit Costs	Hauled	Piped	Unit
Billing	\$4.32	\$4.32	\$/customer/month
O&M Treatment Plants	\$9.91	\$26.07	\$/1000 gallons
Piped Water	NA	\$10.61	\$/1000 gallons
Hauled Water-pumping	\$14.05	NA	\$/1000 gallons
One Zone Hauled Water-logistics	\$13.42	NA	\$/delivery
Two Zone Hauled Water-logistics			
Zone 1	\$9.99	NA	\$/delivery
Zone 2	\$19.98	NA	\$/delivery

The summary of all service characteristic costs for a specific customer class is the estimated cost of service for that class and from a cost of service standpoint is the measure of rate revenue that under equitable conditions would be recovered from that class. These customer class costs for FY 2013 for the water system are presented in Exhibit ES-4. The cost per thousand gallons of water produced for the hauled and piped system is \$62.04 and \$26.18, respectively. Based on this metric, it cost over twice as much to produce and deliver water to the hauled system than the piped system. It should be noted that the production cost may differ from the billing rate as the billing units may differ from production units. For example, the hauled customers are billed based on tank capacity and not on actual usage.

EXHIBIT ES-4  
 Development of Estimated Customer Class Cost of Service, FY2013  
 City of Bethel Water and Sewer Rate Study

Cost Center	Hauled	Piped	Total
Billing	\$53,708	\$22,510	\$76,218
O&M Treatment Plants	\$452,575	\$845,051	\$1,297,626
Piped Water	0	\$343,742	\$343,742
Hauled Water-pumping	\$641,440	\$0	\$641,440

## EXHIBIT ES-4

Development of Estimated Customer Class Cost of Service, FY2013  
City of Bethel Water and Sewer Rate Study

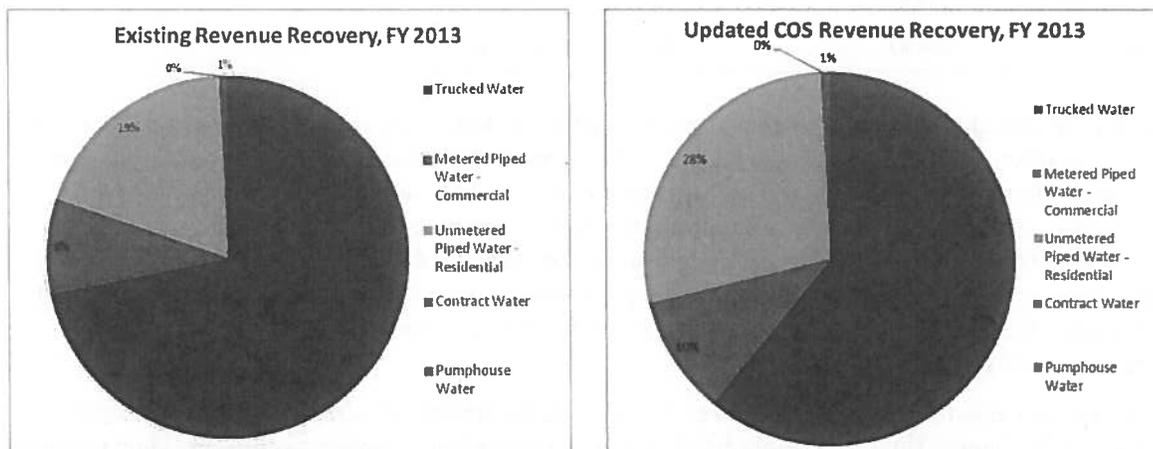
Cost Center	Hauled	Piped	Total
Hauled Water-logistics	\$779,090	\$0	\$779,090
Total	\$1,926,813	\$1,211,304	\$3,138,117
% of Total Cost	61%	39%	
Total Water Produced	31,057,646	46,263,490	77,321,136
\$/000 gallons Produced	\$62.04	\$26.18	\$40.59

Providing service to the hauled water system requires 9 service trucks driving approximately 9,500 miles per year per truck, or nearly 86,000 miles total. The total cost of providing service to the hauled system, including water treatment, water supply, and pumping costs, was estimated to be nearly \$1.9 million. The average cost per mile for providing service to the hauled water system is approximately \$23.00 per mile.

For the piped system, there is approximately 66,000 linear feet of water pipe and service lines. The total cost of providing service to the piped system was estimated to be approximately \$1.2 million. The average cost per linear foot of water pipe is approximately \$18.00 per linear foot. It should be noted that it is not an equitable evaluation to compare the cost per mile for the hauled system to the cost per linear foot of the piped system.

Exhibit ES-5 presents a comparison of the current distribution of costs between the water system's customers and the results of the cost of service analysis. The results of the cost of service analysis show that hauled water customers are responsible for 61 percent of the total water system revenue requirements versus 72 percent under the water system's existing rates. Piped residential customers are responsible for 29 percent of total requirements under cost of service and 19 percent under existing rates. When compared to existing revenues, piped residential customers were allocated a larger share of revenue recovery responsibility based on the results of this cost of service analysis.

## EXHIBIT ES-5

Water Cost of Service Revenue Recovery by Customer Class, FY2013  
City of Bethel Water and Sewer Rate Study

## Sewer System Cost Allocation

A cost of service analysis was also prepared for the sewer system. The sewer system costs were allocated to system functions and then to users following a similar process to that used for the water system. Exhibit ES-6

presents a summary of the customer class service characteristics. Using the summary measures of the various service characteristic units developed in this table in conjunction with the revenue requirements allocated to the service characteristics, unit costs associated with each service characteristic can be calculated.

## EXHIBIT ES-6

Sewer Service Characteristic Billing Units by Customer Class, FY2013  
 City of Bethel Water and Sewer Rate Study

User Characteristics	Hauled	Piped	Total
No. of Customers	1,125	474	1,599
Total Effluent	27,951,881	63,941,924	91,893,806
% of Total	30%	70%	
Estimated Billed Capacity/Usage	55,946,850	63,941,924	
Commercial		42,631,584	
Residential		21,310,340	
Total Equivalent Deliveries	48,168		

The unit costs are presented in Exhibit ES-7. Based on the unit costs calculated in Exhibit ES-7 and the demands for service at the customer class level presented in Exhibit ES-6, the service characteristic costs associated with providing service to each customer class are calculated.

## EXHIBIT ES-7

Development of Billing Unit Costs, FY2013  
 City of Bethel Water and Sewer Rate Study

Unit Costs	Hauled	Piped	Unit
Billing	\$4.68	\$4.68	\$/customer/month
O&M Lagoon	\$0.70	\$1.41	\$/1000 gallons
Piped Sewer	\$1.49	\$7.69	\$/1000 gallons
Hauled Sewer-pumping	\$15.87	NA	\$/1000 gallons
Hauled Sewer-logistics	\$14.87	NA	\$/equivalent delivery

The summary of all service characteristic costs for a specific customer class is the estimated cost of service for that class and from a cost of service standpoint is the measure of rate revenue that under equitable conditions would be recovered from that class. These customer class costs for FY 2013 for the water system are presented in Exhibit ES-8. The cost per thousand gallons of effluent for the hauled and piped system is \$64.05 and \$9.52, respectively. Based on this metric, it cost over six times as much to collect and deliver sewage from the hauled system than the piped system. It should be noted that the production cost may differ from the billing rate as the billing units may differ from production units. For example, the hauled customers are billed based on tank capacity and not on actual sewage pumped.

Providing service to the hauled sewer system requires 7 service trucks driving approximately 9,500 miles per year per truck, or nearly 67,000 miles total. The total cost of providing service to the hauled system, including pumping costs, was estimated to be nearly \$1.8 million. The average cost per mile for providing service to the hauled sewer system is approximately \$27.00 per mile.

EXHIBIT ES-8  
Development of Estimated Customer Class Cost of Service, FY2013  
City of Bethel Water and Sewer Rate Study

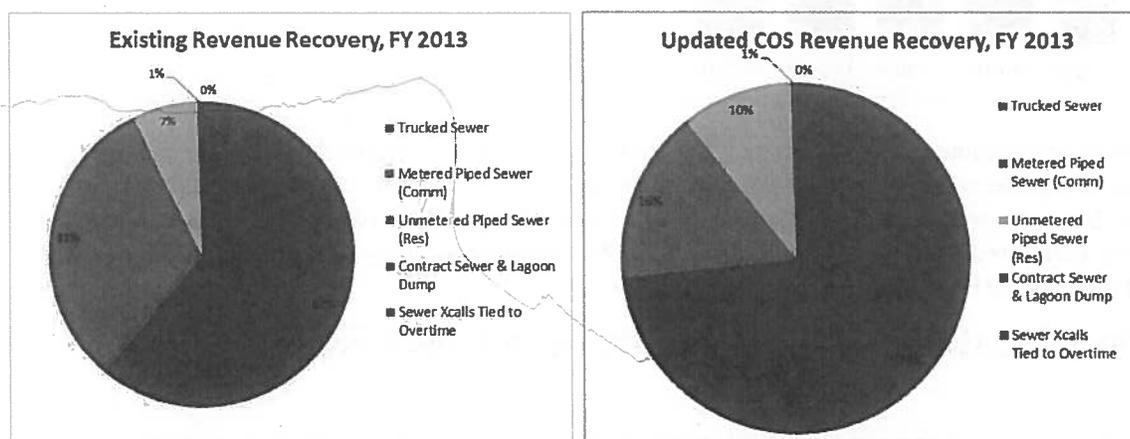
Cost Center	Hauled	Piped	Total
Billing	\$63,167	\$26,623	\$89,791
O&M Lagoon	\$39,373	\$90,068	\$129,441
Piped Sewer	\$83,442	\$491,747	\$575,189
Hauled Sewer-pumping	\$887,900	0	\$887,900
Hauled Sewer-logistics	\$716,409	0	\$716,409
<b>Total</b>	<b>\$1,790,292</b>	<b>\$608,439</b>	<b>\$2,398,730</b>
% of Total	75%	25%	
Total Effluent	27,951,881	63,941,924	91,893,806
\$/000 gallons Effluent	\$64.05	\$9.52	\$26.10

□

For the piped system, there is approximately 77,000 linear feet of sewer pipe and service lines. The total cost of providing service to the piped system was estimated to be approximately \$608,000. The average cost per linear foot of sewer pipe is approximately \$8.00 per linear foot. It should be noted that it is not an equitable evaluation to compare the cost per mile for the hauled system to the cost per linear foot of the piped system. □

Exhibit ES-9 presents the revenue recovery by customer class based on the results of the cost of service analysis and the current cost recovery under the existing rates. Hauled sewer customers are allocated 73 percent of total requirements under cost of service, whereas these customers are paying approximately 61 percent of the system costs under the existing sewer rates. Piped commercial customers are allocated 16 percent of total requirements under cost of service while generating about 31 percent under the existing rates. Piped residential customers are allocated a larger share of costs under cost of service than under the existing sewer rates.

EXHIBIT ES-9  
Sewer Cost of Service Revenue Recovery by Customer Class, FY2013  
City of Bethel Water and Sewer Rate Study



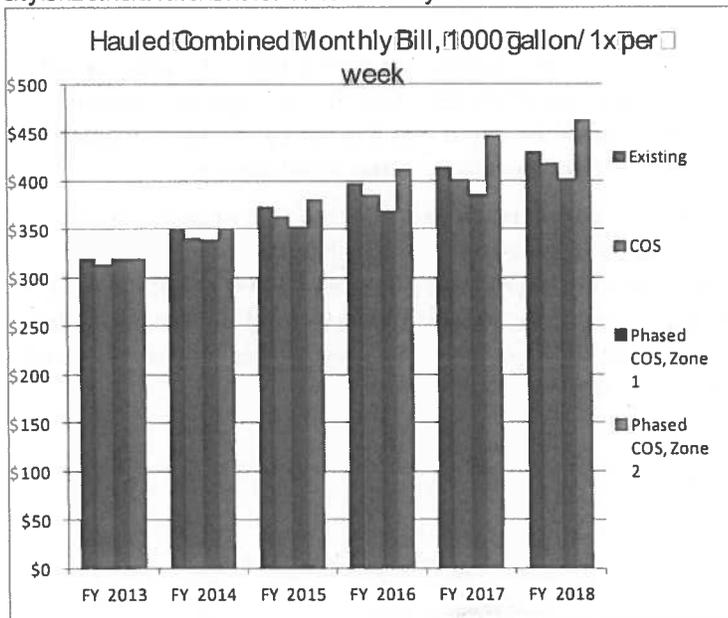
## Water and Sewer Rate Design

The purpose of this section is to develop a schedule of rates that will recover system revenue requirements equitably from the customer classes based on their allocated cost of service. Cost allocations, as discussed in the previous section, determined the cost of providing service to each customer class. This section will use those cost

allocations to develop a set of proposed rates that are designed to recover the costs of serving each customer class from the users composing that class.

Sample bills under current rates, cost of service rates, and phased-in cost of service rates for hauled, flat rate residential, and piped commercial are shown in Exhibits ES-10 through Exhibit ES-12. The sample bills reflect the changes in the design of the rates and include the first 5 years of proposed rate increases. The bills under existing rates represent customer bills under a uniform rate increase scenario where all existing rates would be increased by a uniform percentage and adjusted to recover the projected system costs. Under the cost of service option, bills for unmetered residential piped customers and metered commercial customers increase dramatically while a hauled customer with a 1,000 gallon tank that receives service once per week experiences a slight decrease. A customer in the proposed second zone of hauled service would experience a larger increase than under current rates as the rate reflects the higher cost to serve these customers. It should be noted that some hauled customers under cost of service rates may not experience the same percentage changes to their bills as the customer type used in this example. Under the phased cost of service approach, cost of service rates would be phased in over a four year period.

EXHIBIT ES-10  
 Combined Monthly Water and Sewer Bill, Hauled Customer: 1000 gallon/ 1x per week  
 City of Bethel Water and Sewer Rate Study



For piped commercial customers, existing sewer rates are already above estimated COS rates. The Phased COS approach suggests not increasing the sewer rate over the next five years. Because sewer revenues for piped commercial will be generating revenues above COS levels, water rates for piped commercial under the Phased COS scenario were adjusted below the suggested COS rate. This approach will generate a combined water and sewer bill that by FY 2016/17 achieves estimated COS levels.

## Allocation of Estimated System Renewal and Replacement Funding

The City currently collects a charge per customer per month that it is using to establish a renewal and replacement account for the water and sewer system. Funds in this account will be available to pay for renewal and replacement of system components as they wear out. This account is currently generating approximately \$195,000 annually, but actual replacement needs are expected to be significantly greater. This section presents a high level, order of magnitude cost estimate to replace the major system components of the water and sewer system and will estimate the associated annual depreciation expense.

EXHIBIT ES-11  
 Combined Monthly Water and Sewer Bill, Flat Rate Piped Residential  
 City of Bethel Water and Sewer Rate Study

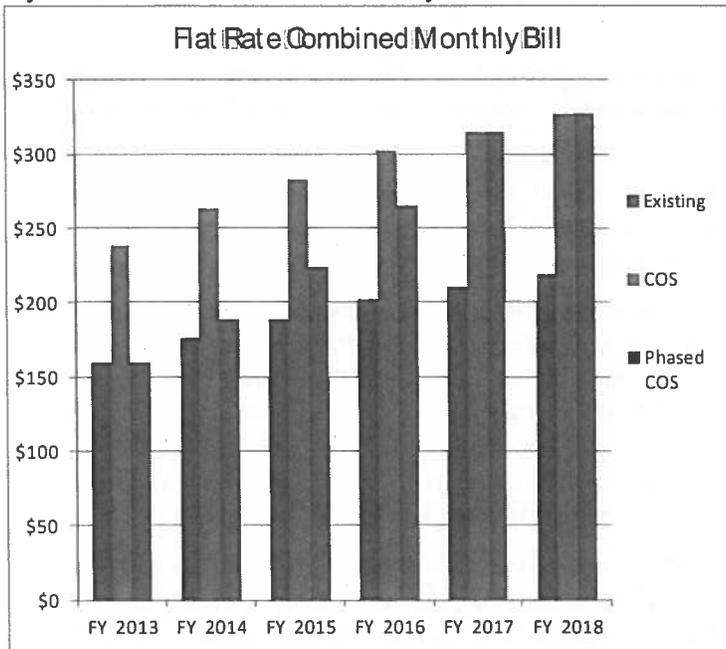
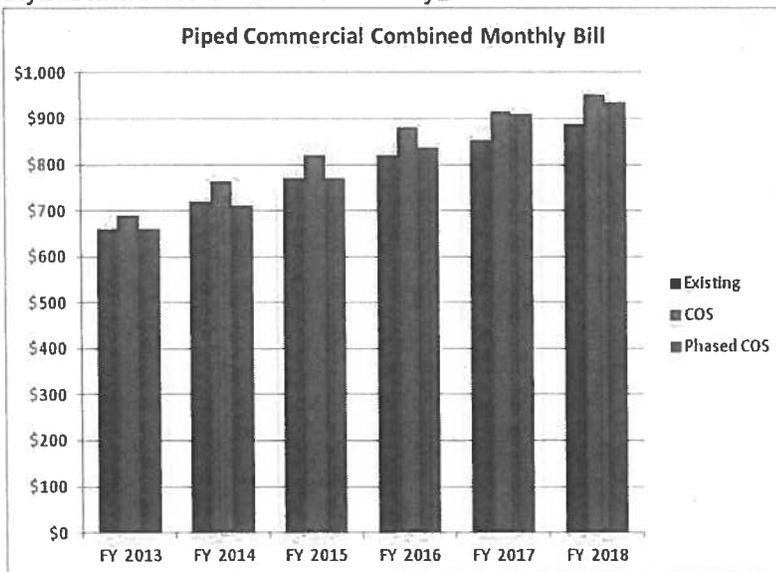


EXHIBIT ES-12  
 Combined Monthly Water and Sewer Bill, Piped Commercial  
 City of Bethel Water and Sewer Rate Study



The annual depreciation expense is an estimate of the amount that the City would need to set aside annually if it wanted to fully fund the replacement of its existing facilities using this renewal and replacement account. It should be noted that there is no requirement that the City fully fund the replacement of its water and wastewater facilities using this account, but estimating this amount provides an upper limit for determining how much could be set aside for this purpose. The estimated value of the system will be referred to as replacement cost new or RCN. It should be noted that these cost estimates were developed for the sole purpose of estimating the annual replacement cost new depreciation expense and should not be used for any other purpose beyond this report.

The estimated RCN for the water and sewer system, which includes a 15 percent contingency and a 25 percent allowance for administration and engineering, is approximately \$121 million. The estimated replacement cost new depreciation expense, based on assumed design lives for each major system component was estimated at \$4.3 million.

If the City were to recover the full \$4.3 million in annual replacement cost new depreciation expense through its current monthly charge per customer, the monthly fee would increase from \$5 per account to \$116 per account.

Alternatively, instead of funding this account through a charge per customer, the City could incorporate this charge into the water and sewer volume rates. Based on their use of the system components, this would result in volume rates for the system customers that would vary by customer class. The charges per thousand gallons would range from \$11.75 per thousand gallons for hauled sewer, to \$27.55 per thousand gallons for piped sewer.

Fully funding the annual depreciation amount associated with the estimated replacement cost of the water and sewer system would have significant impacts on the existing customers in the form of much higher rates. The City could also consider establishing a renewal and replacement fund equal to the estimated replacement value of a critical system component or a reserve amount suggested by a funding agency. As indicated earlier, there is no requirement that the City fully fund the replacement of the water and sewer system using this renewal and replacement account. The City may want to consider a lower level of funding that would allow it to fund the replacement of system equipment, but not structures or infrastructure that generally have a long life.

Exhibit ES-13 presents the allocation of annual depreciation expenses to the different customer classes. Hauled water, piped water, and hauled sewer were each allocated approximately 20 percent of total depreciation expenses. Piped sewer received the largest allocation of approximately 40 percent. The reason piped sewer has a larger relative share of depreciation expenses is because of limited asset sharing with the hauled sewer system and shorter life of assets (i.e. lagoon and lift stations).

EXHIBIT ES-13  
Allocation of Estimated Annual Depreciation Expense  
City of Bethel Water and Sewer Rate Study

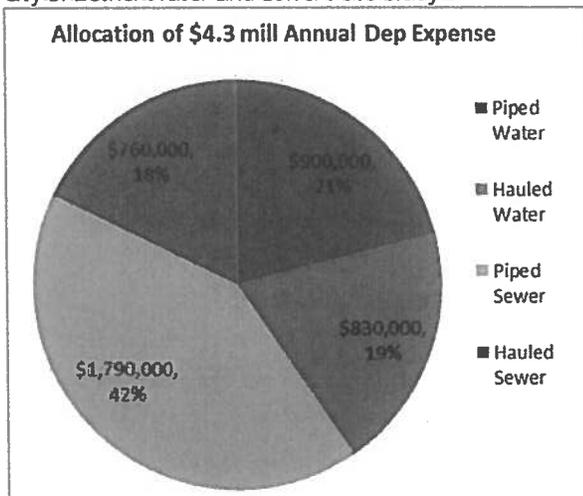


Exhibit ES-14 presents the depreciation cost per thousand gallons of billable units assuming the City funds the depreciation expense associated with full system replacement. In order to account for current contributions to capital and fleet and replacements, estimated subscription fee and fleet replacement revenues were subtracted from the estimated annual depreciation expense. It should be noted that billing units may differ from units of production. For example, hauled water and sewer customers are billed based on the capacity of the tank not on actual quantity of water used or sewage pumped. Therefore the billing units for the hauled system are higher than the production units, resulting in a lower charge per unit.

## EXHIBIT ES-14

Depreciation Cost per 1,000 gallons of Billable Units  
City of Bethel Water and Sewer Rate Study

	Piped Water	Hauled Water	Piped Sewer	Hauled Sewer
Annual System Depreciation	\$900,000	\$830,000	\$1,790,000	\$760,000
Less Current Contributions:				
Subscription Fees	\$26,100	\$62,220	\$28,440	\$67,500
Fleet Replacement	\$0	\$35,000	\$0	\$35,000
Subtotal	\$873,900	\$732,780	\$1,761,560	\$657,500
Billing Units (gallons)	32,409,741	45,646,250	63,941,924	55,946,850
Depreciation Cost/000 gallons	\$26.96	\$16.05	\$27.55	\$11.75

The City could use the allocation percentages presented in Exhibit ES-13 to distribute an annual targeted amount for funding renewal and replacements among the customer classes.

## Recommendations

Based on the study findings summarized in previous sections, the following recommendations are presented for the City's consideration:

1. Implement phased cost of service sewer rates in the current fiscal year (FY2013/14).
2. Implement a two zone rate structure for the hauled water system.
3. Pumphouse water should be \$0.03 per gallon and increased annually by 12 percent in FY 2013/14, 8 percent in FY 2014/15 and FY 2015/16, and 4 percent in FY 2015/16 through FY 2017/18.
4. Select a renewal and replacement fund balance target and implement necessary adjustments to this charge to achieve the target over a period of five to seven years.
5. Implement a data collection process to track data commonly used in financial and engineering studies. This would include developing a consistent tracking system for water production and demand at the water treatment plants that is tracked in both manual and electronic forms. It is also suggested that customer data such as number of accounts, usage, and meter size (commercial only) be summarized and tracked on an annual basis. Finally, conducting periodic studies of the hauled system that compares delivery times between delivery areas and tracks different functions (i.e. pumping, delivery) of the system would be beneficial.
6. Increase rates as needed in future years to meet the financial needs of the systems. The projected rate increases presented herein are based on available data and assumptions developed by the City and CH2M HILL as of March 2013. The City should review the financial plan annually and adjust the rates as needed to reflect current conditions and assumptions.



# Introduction

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## 1.1 Overview

In September 2012, the City of Bethel (the City) retained CH2M HILL to update its water and sewer rates and conduct a cost of service analysis of the water and sewer utility. The purpose of the update is to determine the costs of operating each system, to establish rates to make each utility financially self-sufficient, and to determine if projected operation and maintenance expenses and capital improvement costs will require additional rate increases in the future.

## 1.2 Introduction

The City of Bethel Public Works Department operates and maintains the water and sewer utility for approximately 1,600 customers. The utility infrastructure consists of water wells, pipes, pump stations, water and sewer trucks, water treatment plants and truck filling stations, lift stations, and a sewage lagoon. Some customers in the Bethel Heights and City Subdivision neighborhoods receive piped service while other customers receive hauled water and/or sewer service. There are some households and businesses within the service area that operate private water wells.

Approximately 400 residential dwelling units and 40 commercial customers receive piped water service. There are approximately 1,200 customers on the hauled water system. The piped sewer system provides service to 400 residential customers and 33 commercial connections.

The City's water and sewer system operate as a consolidated enterprise unit but each utility is managed to be self-supporting. The City tracks utility personnel, materials/supplies/services, and capital expenditures under the following cost centers:

- 51-80: Utility Billing
- 51-81: Hauled Water
- 51-82: Piped Water
- 51-83: Bethel Heights Water Treatment Facility
- 51-84: City Sub Water Treatment Facility
- 51-85: Hauled Sewer
- 51-86: Piped Sewer
- 51-87: Sewer Lagoon

Recently, revenues have not been sufficient to cover the cost of providing water and sewer service. The Water and Sewer Fund has relied on transfers from the General Fund to cover annual shortfalls. In the FY 2012/13 budget, the transfer from the General Fund to the Water and Sewer Utility Fund was approximately \$500,000.

## 1.3 Scope

The scope of the analysis consisted of the following major tasks:

- Collect information and review goals and assumptions with City staff
- Prepare rate model
- Determine system revenue requirements and user characteristics
- Project system revenues
- Conduct cost allocation study
- Allocate costs to water and sewer systems and to the users of the system
- Update water and sewer rates
- Estimate system replacement cost and annual depreciation expense
- Present Results

The City's operations are reported on a fiscal year (FY) basis, running from July 1 through June 30. The cost of service analysis was based on the utilities' FY 2013 budgeted costs. System revenue requirements for this study were developed for a 10-year projection period: FY 2013/14 through FY 2022/23. Water and sewer rates were designed to sufficiently recover the utility's costs for this period. The water and sewer rates will be reevaluated in the future to ensure that sufficient revenues are generated to cover their projected costs.

It should be noted that this study assumed that prospective capital projects for the water and sewer utility would be paid fully with state or federal grant funding. This study assumes that no debt service will be needed to fund the planned improvements. The study also considers anticipated system growth rates, assumptions regarding future cost increases, and additional operating costs that may be incurred due to new capital improvements.

## Financial Plan

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This section summarizes the first step in the rate study and presents a 10-year financial plan for the water and sewer system. The memorandum begins with an introduction to the financial plan, including the planning assumptions. This is followed by a discussion of projected water and sewer system revenue requirements and revenues. The section ends with a discussion of rate impacts, based on the current rate structure.

### 2.1 Assumptions

The building blocks of the financial plan are the projections of costs that the City will incur during the 10-year planning period, fiscal year 2013/14 through fiscal year 2022/23, and the revenues, under existing rates, which the City expects to generate during the same period. The financial plan is based on a set of overall assumptions related to customer growth, inflation, and other factors, as well as the specific phasing of the City's CIP.

For this analysis, the water and sewer utility were analyzed as separate enterprise funds. For those revenues that are shared between the water and sewer utility (i.e. Miscellaneous Revenues), revenues were allocated based on each utility's share of total revenues. For expenditures that are shared between the utilities (i.e. Utility Billing), costs were allocated based on number of customers.

The following general assumptions were used in developing the plan:

- Customer growth will occur at the following annual rates:
  - Residential Growth: 1.0%
  - Commercial Growth: 1.0%
- Operation and maintenance costs –specific annual escalation factors used include:
  - Salaries and wages: 2.5%
  - Benefits: 8.0%
  - Operating expenses: 4.0%
  - Fuel: 10.0%
  - Electricity: 10.0%
- Annual operating contingency equal to 30 days of operating expenses will be phased in over time. The annual operating contingency will not be included in the projections until the utility is self-sufficient.
- Capital costs will increase at an annual rate of 4.0 percent to account for inflation.
- The City will continue to receive 100 percent grant funding for all major capital expenditures.
- Interest earned on investments: 1.0%.
- A targeted combined beginning fund balance of \$1 million for the water and sewer utility, adjusted annually for inflation at 3 percent per year, by the end of the analysis period.

The financial plan for the water and sewer fund, in the form of projected sources and uses of funds for the water utility fund, is presented in Attachment 1. Each component of the financial plan is discussed in more detail below.

### 2.2 Revenue Requirements

The costs in the plan that are to be funded from annual revenues are referred to as 'revenue requirements' for rate-making purposes. The financial plan was developed using the cash-needs approach to projecting total revenue requirements for the utility. The basis of the cash-needs approach is that the revenues of the utility must be sufficient to cover all cash needs over the analysis period, including current or projected debt obligations. The cash-needs approach does not include depreciation expense, which is a non-cash item.

Total requirements are composed of:

- Operations and maintenance costs, including administrative and support services.
- Annual capital improvement projects funded directly from rate revenues and reserves.
- Debt service requirements for existing and projected debt issuances.
- Transfers to the City's general fund and other funds for indirect and direct services provided to the utility (i.e. Administrative and IT services). Interfund services appear as a line item in the utility's operating expenses.

In addition, annual requirements include operating contingencies equal to 30 days of annual O&M costs. However, 100 percent of annual contingencies are assumed to be unspent and roll forward to subsequent year beginning balances.

As stated previously, the City does not have any existing debt service expenditures.

Revenue requirements were projected based on data provided by the City, including actual revenues and expenditures for FY 2008/09 through FY 2010/11 and adopted budgets for FY 2011/12 and FY 2012/13.

## 2.2.1 Operation and Maintenance Costs

Operation and maintenance costs include all costs associated with operating and maintaining the water and sewer system, including personnel and materials and services costs. The City of Bethel's water and sewer utility operates as an enterprise fund and is managed to be self supporting. The City of Bethel provided annual financial statements and budgets for the water system to CH2M HILL.

### 2.2.1.1 Water Utility O&M

Exhibit 2-1 shows historical O&M costs for water system for FY2009/10 through FY2010/11 and budgeted O&M costs for FY2011/12 and FY 2012/13. Because this analysis is being performed on a cash basis, depreciation expenses are not included. Total Water Utility O&M has ranged from \$3.2 million in FY 2009/10 to nearly \$3.6 million in FY 2012/13. The primary driver in the fluctuation in expenses has been the volatility in fuel prices, which impacts electricity and heating costs at the water treatment plants. Fuel costs also impact operating costs for the hauled water fund. Vehicle maintenance costs started being accounted for in the Hauled Water Fund in FY 2009/10, which largely accounts for the increase in transportation expenses for the utility.

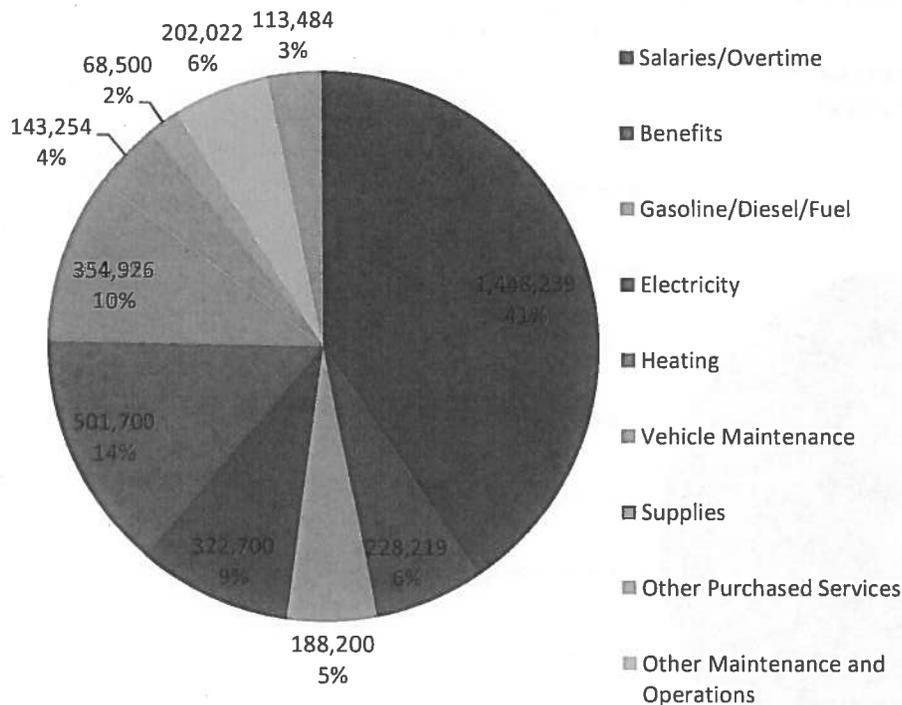
EXHIBIT 2-1  
Historical and Budgeted O&M Costs  
City of Bethel Water and Sewer Rate Analysis

	Actual FY2010	Actual FY2011	Budget FY2012	Budget FY2013
Hauled Water	1,383,315	1,548,640	1,540,328	1,605,284
Piped Water	368,968	392,578	381,934	399,819
Bethel Heights WT	725,282	767,382	736,632	737,107
City Sub WT	585,167	597,604	748,767	738,478
Billing-Water	108,741	75,495	76,550	90,557
<b>Total Water Utility O&amp;M</b>	<b>3,171,473</b>	<b>3,381,699</b>	<b>3,484,211</b>	<b>3,571,245</b>

Source: City of Bethel, 2012/13 Budget

Exhibit 2-2 presents the total O&M budget for the Water Utility for FY 2012/13. Total budgeted O&M costs for FY 2012/13 are approximately \$3.6 million. Approximately 47 percent of this total is personnel related (salaries and wages and benefits). Heating, vehicle maintenance, and electricity costs are the next largest individual line items in the budget and account for 33 percent of the budget.

EXHIBIT 2-2  
 FY2012/13 Water Utility Budget Cost Breakdown  
 City of Bethel Water and Sewer Rate Analysis



As shown in Attachments 1, O&M costs (including personnel services, materials and services, operating transfers, and operating contingency) are projected to increase to nearly \$5.9 million by FY2022/23.

### 2.2.1.2 Sewer Utility O&M

Exhibit 2-3 shows historical O&M costs for sewer system for FY2009/10 through FY2010/11 and budgeted O&M costs for FY2011/12 and FY 2012/13. Total Sewer Utility O&M has ranged from \$2.1 million in FY 2009/10 to \$2.5 million in FY 2012/13. As with the water utility, the primary driver in the fluctuation in expenses has been the volatility in fuel prices, which impacts electricity and heating costs. Fuel costs also impact operating costs for the hauled sewer fund. The Hauled Sewer fund has also experienced an increase in personnel related costs, which have increased approximately 21 percent from FY 2009/10 to FY 2012/13. Vehicle maintenance costs started being accounted for in the Hauled Sewer Fund in FY 2009/10.

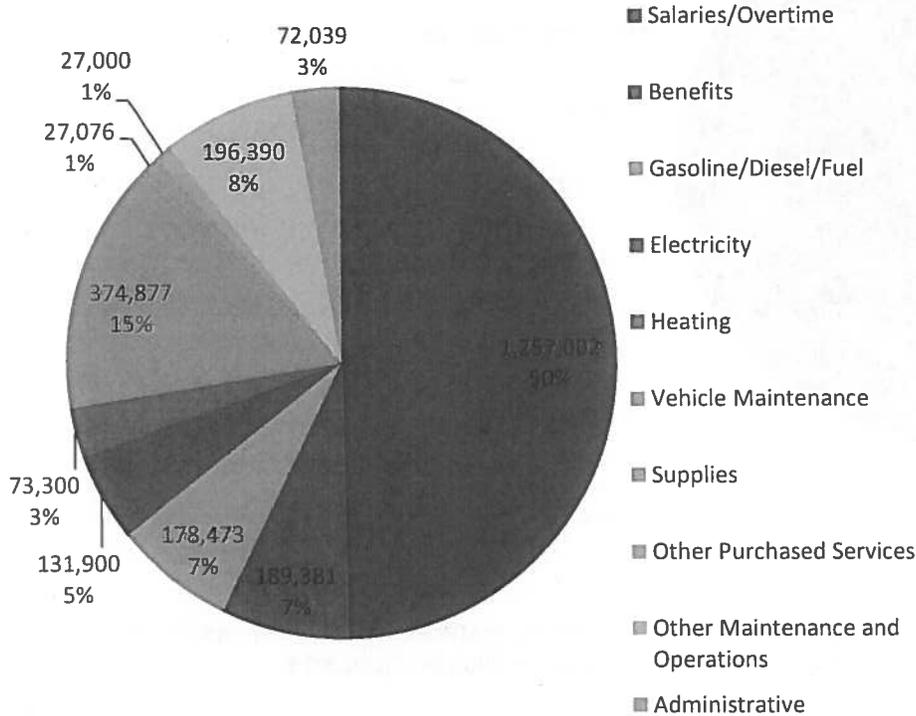
EXHIBIT 2-3  
 Historical and Budgeted O&M Costs  
 City of Bethel Water and Sewer Rate Analysis

	Actual FY2009-10	Actual FY2010-11	Budget FY2011-12	Budget FY2012-13
Hauled Sewer	1,372,457	1,568,193	1,645,644	1,681,330
Piped Sewer	536,753	531,093	545,597	611,072
Lagoon	121,667	100,008	117,194	138,829
Billing-Sewer	115,524	80,204	81,325	96,206
<b>Total Sewer Utility O&amp;M</b>	<b>2,146,401</b>	<b>2,279,498</b>	<b>2,389,760</b>	<b>2,527,437</b>

Source: City of Bethel, 2012/13 Budget

Exhibit 2-4 presents the total O&M budget for the Water Utility for FY 2011/12. Total budgeted O&M costs for FY 2011/12 are approximately \$2.5 million. Approximately 57 percent of this total is personnel related (salaries and wages and benefits). Vehicle maintenance and gasoline/diesel costs are the next largest individual line items in the budget and account for 22 percent of the budget.

EXHIBIT 2-4  
 FY2011/12 Sewer Utility Budget, Cost Breakdown  
 City of Bethel Water and Sewer Rate Analysis



As shown in Attachments 1, O&M costs (including personnel services, materials and services, operating transfers, and operating contingency) are projected to increase to nearly \$4.0 million by FY2022/23.

**2.2.1.3 Debt Service Costs**

Currently, the City’s water utility does not have any existing debt service costs. For the sewer utility, the City retired bonds associated with improvements to the Lagoon in FY 2008/09 and has no additional outstanding debt.

**2.2.1.4 Capital Costs**

The City is currently undergoing an update to its water and sewer master plans. A detailed list of priority projects for each utility will be developed. For this analysis, it was assumed that the funding source for future capital expenditure would be grants from federal and state agencies. Thus, no contribution will be required from the City.

**2.3 Revenues**

With limited federal and state assistance available for operations, it was assumed the City would rely predominantly on water and sewer rates to fund the projected operating system costs over the next 10 years. Water sales revenues based on existing rates are projected to be approximately \$2.0 million in FY2011/12. The rate schedules for the water and sewer utilities are presented below.

The City has approximately 1,600 water customers. The piped water system has approximately 400 residential customers and 40 commercial accounts. The hauled water system has approximately 1,200 customers. Currently,

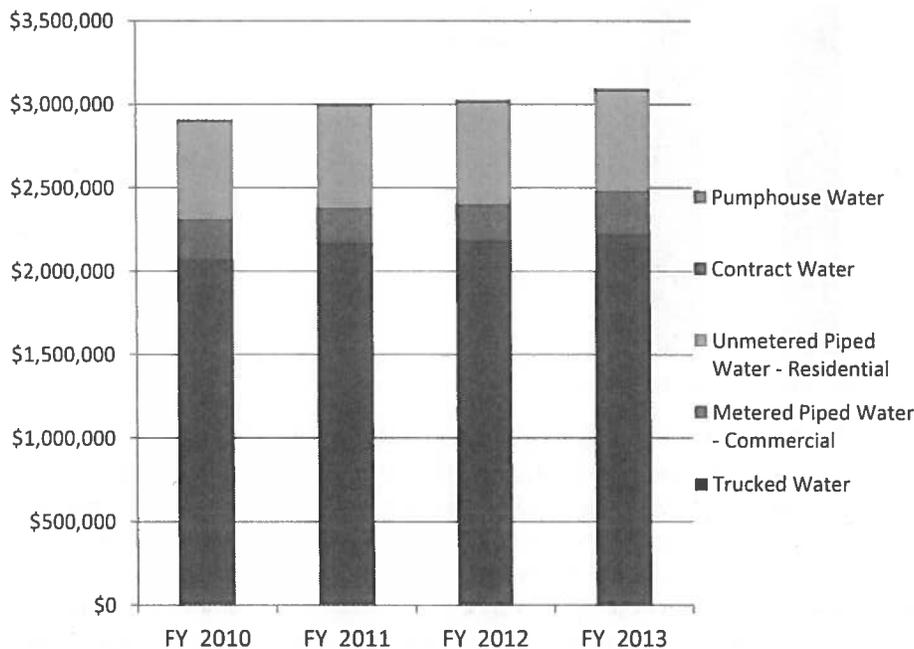
the City has no industrial water customers. For this analysis, it was assumed that the number of customers would increase at 1.0 percent per year over the 10 year period, resulting in additional revenues associated with new residential or commercial growth.

### 2.3.1 Water Rate Revenues

Exhibit 2-5 presents the historical and budgeted water rate revenues for hauled and piped customers from FY 2009/10 through FY 2012/13. Water rate revenues have ranged from \$2.9 million in FY 2009/10 and are budgeted to be \$3.1 million in FY 2012/13. Revenues from Hauled Water service is expected to provide approximately 72 percent of total rate revenue for the utility.

#### EXHIBIT 2-5

Historical and Budgeted Water Rate Revenues  
City of Bethel Water and Sewer Rate Study



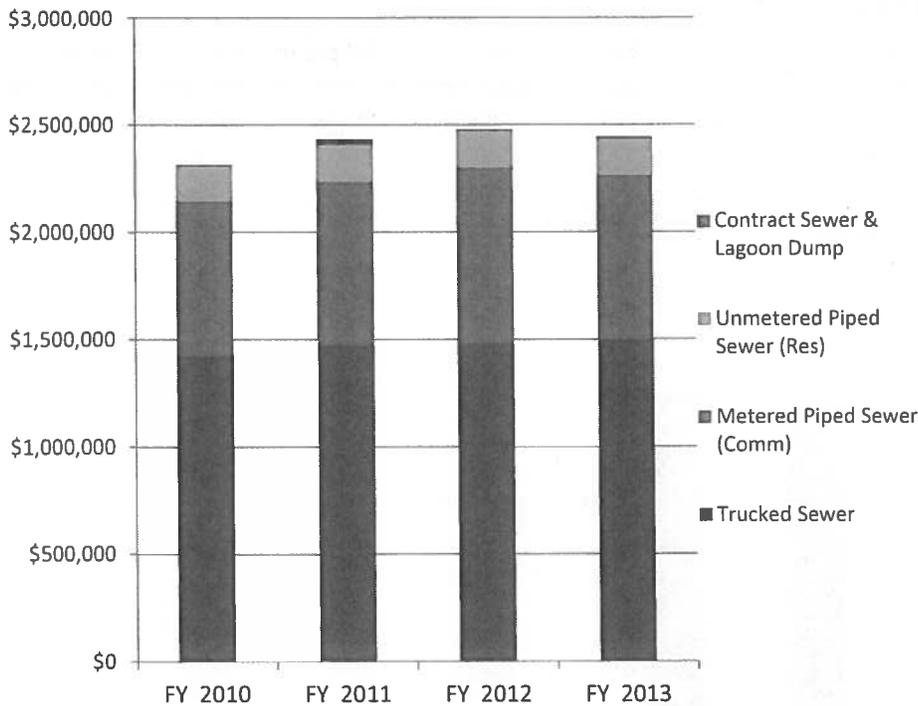
### 2.3.2 Sewer Rate Revenues

Exhibit 2-6 presents the historical and budgeted sewer rate revenues for hauled and piped customers from FY 2009/10 through FY 2012/13. Sewer rate revenues have ranged from \$2.3 million in FY 2009/10 and are budgeted to be \$2.5 million in FY 2011/12. Revenues from Trucked Sewer service is expected to provide approximately 61 percent of total rate revenue for the utility. Commercial piped customers provide approximately 31 percent of total sewer revenue. These customers comprise a larger share of sewer revenue when compared to water revenue because of a number of institutional customers that have piped sewer service but maintain and operate their own private water wells.

### 2.3.3 Non Rate Revenues

The City reports nonrate revenues such as revenue from penalty and interest reconnect fees, interest income, PERS on behalf of revenue, and other miscellaneous revenues. The City records the discount on the utility rate to qualifying low income customers as a credit to non-rate revenue.

EXHIBIT 2-6  
 Historical and Budgeted Water Rate Revenues  
 City of Bethel Water and Sewer Rate Study



For this analysis, non-rate revenues were split between the water and sewer utility based on each utility's percentage of total revenue. Based on projected revenues for FY 2011/12, the water utility was allocated 56 percent of non-rate revenues while the sewer utility was allocated 44 percent. A majority of non-rate revenue comes from PERS. The other main source of non-rate revenue comes from a recently initiated subscription fee of \$5.00 per month per account for water customers. The same subscription fee is also applied to sewer customers. The subscription fee revenue is designated for a renewal and replacement fund for the water and sewer utility systems. For this analysis, the subscription fee revenues were excluded as a non-rate revenue source because the funds are designated for non-operating expenses.

Non-rate revenue was approximately \$81,000 in FY 2010/11 for the water system.

The sewer system had non-rate revenue of approximately \$64,000 in FY 2010/11 and is projected to average \$164,000 over the analysis period.

## 2.4 Rate Impacts

Currently, the water and sewer utility is not generating adequate revenues to cover operating expenses. In FY 2010/11, the Water and Sewer Utility fund received an interfund transfer from the General Fund in the amount of \$667,000 to offset operating losses. In the next two budget cycles, the Water and Sewer Utility Fund is expected to require additional transfers from the General Fund to cover operating expenses. Additional rate revenue is required to set the utility on a path towards financial stability.

In this section, projected rate revenue requirements and rate impacts for the water and sewer utility will be presented. Revenue requirements consist of operation and maintenance expenses (including transfers), pay-as-you-go capital expenses, and debt service. They also include additions to reserves. Non-rate revenue sources such as interest, fees, subscription fees, and transfers from the general fund, debt proceeds, and use of reserves are subtracted from the revenue requirements to project the amount of revenue required from water rates.

As stated earlier, it was assumed that the City would not need to issue any new debt to pay for capital projects as new capital expenditures would be funded through grants.

Three different scenarios will be presented:

- Scenario 1: This scenario assumes the water and sewer utility fund will continue to receive transfers from the General Fund to help offset operating losses. The amount of the transfer will be approximately \$450,000 per year with \$300,000 going towards the water utility and \$150,000 towards the sewer utility. It is also assumed the City will continue to fund capital projects when 100 percent grant funding is available from state or federal agencies.
- Scenario 2: This scenario will phase out the annual transfers from the General Fund over three years and program the appropriate rate increases required for the utility to achieve cost recovery. Like Scenario 1, it assumed the city will continue to receive 100 percent grant funding for capital expenditures. This scenario also builds in an operating contingency of 60 days of operating expenses. However, 100 percent of annual contingencies are assumed to be unspent and roll forward to subsequent year beginning balances.
- Scenario 3: Scenario 3 includes the same assumptions as Scenario 2. It also assumes piped water service will be extended to the Institutional Corridor. Additional assumptions for this scenario will be discussed below.

#### 2.4.1.1 Scenario 1

Exhibit 2-7 presents the revenue requirements for Scenario 1 for the water and sewer utility over the analysis period. As Exhibit 2-7 illustrates, increased water and sewer revenues will be necessary to cover the revenue requirements associated with the increases to operating costs even with continued transfers from the General Fund. The water utility will require a larger portion of the transfer from the General Fund and larger increases than the sewer utility because its current revenue stream is not adequate to cover water system costs.

This analysis assumed the City would implement 10 percent increase in water rates in FY 2013/14 and 4 percent increases in each of the following years. The sewer utility increases will be three to four percent per year for the remainder of the analysis. Under this scenario, the projected increases are relatively smaller because of the continued transfer from the General Fund.

#### 2.4.1.2 Scenario 2

Exhibit 2-8 presents the revenue requirements for Scenario 2 for the water and sewer utility over the analysis period. When compared to Scenario 1, this scenario projects a larger increase in revenue requirements because the transfer from the General Fund is phased out by FY 2015/16 and an operating contingency has been introduced. These two factors will result in larger rate increases when compared to Scenario 2. However, the larger increases also provide the utility with growing ending balance that reaches approximately \$1.2 million at the end of the analysis.

This analysis assumed the City would need to implement a 12 percent increase in water rates in FY 2013/14, 8 percent in FY 2014/15 and FY 2015/16, and 4 percent increases each of the following years. The sewer rates would also need larger increases when compared to Scenario 1 but would still be smaller increase when compared to the water utility. The sewer utility would need to adopt 5 percent increases from FY 2013/14 through FY 2014/15, 4 percent increases from FY 2015/16 through FY 2108/19 and 4 percent increases the remaining years of the analysis.

#### 2.4.1.3 Scenario 3

The City conducted a feasibility study to evaluate extending piped water service to multiple institutions along the Chief Eddie Hoffman Highway. By including the City's major institutions as customers of the piped water system, the City could gain additional water revenue while the institutions would eliminate the non-core business expenditures associated with maintaining on-site water systems. This section will estimate the impact on water utility revenues and expenditures of adding these institutions along the Institutional Corridor as customers and the subsequent impact on revenue requirements over the 10-year analysis period.

## EXHIBIT 2-7

Scenario 1 Revenue Requirements  
City of Bethel Water and Sewer Rate Study

	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Beginning Balance	0	3,953	136,818	252,155	344,117	404,928	454,343	485,105	488,611	454,739	371,651
Revenue Requirements											
Total Rev Requirement	6,168,682	6,444,588	6,738,160	7,050,848	7,384,240	7,740,067	8,120,222	8,526,777	8,961,994	9,428,350	9,928,554
Less: Non Rate Revenue	146,835	147,246	149,071	151,378	153,217	154,434	155,422	156,037	156,107	155,430	153,768
Use of Reserves	0	0	0	0	9,388	4,096	721	0	33,872	83,088	146,079
Transfer from General Fund	485,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Total Requirements from Rates	5,536,847	5,847,342	6,139,088	6,449,470	6,771,635	7,131,537	7,514,080	7,920,740	8,322,015	8,739,832	9,178,707
Water Rate Revenue	3,096,500	3,437,825	3,610,008	3,790,869	3,980,845	4,180,396	4,390,004	4,610,177	4,841,446	5,084,371	5,339,540
Sewer Rate Revenue	2,444,300	2,542,382	2,644,417	2,750,564	2,860,988	3,004,653	3,155,558	3,314,069	3,480,569	3,655,461	3,839,167
Total Rate Revenue	5,540,800	5,980,207	6,254,425	6,541,432	6,841,833	7,185,049	7,545,562	7,924,246	8,322,015	8,739,832	9,178,707
Projected Water Rate Increase	0%	10%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Projected Sewer Rate Increase	0%	3%	3%	3%	3%	4%	4%	4%	4%	4%	4%

EXHIBIT 2-8  
Scenario 2 | Revenue Requirements  
City of Bethel Water and Sewer Rate Study

	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Beginning Balance	0	3,953	98,096	171,714	316,591	484,477	671,214	871,565	1,045,406	1,181,140	1,265,294
<b>Revenue Requirements</b>											
Total Rev Requirement	6,168,682	6,444,588	6,738,160	7,050,848	7,384,240	7,740,067	8,120,222	8,526,777	8,961,994	9,428,350	9,928,554
Less: Non Rate Revenue	146,835	147,246	148,297	149,769	152,667	156,025	159,759	163,766	167,243	169,958	171,641
Use of Reserves	0	0	0	0	0	0	0	0	0	0	34,726
Transfer from General Fund	485,000	300,000	100,000	0	0	0	0	0	0	0	0
Total Requirements from Rates	5,536,847	5,997,342	6,489,863	6,901,079	7,231,573	7,584,042	7,960,463	8,363,011	8,794,751	9,258,392	9,722,187
Water Rate Revenue	3,096,500	3,499,940	3,815,782	4,160,303	4,368,899	4,588,008	4,818,160	5,059,911	5,313,847	5,580,582	5,860,759
Sewer Rate Revenue	2,444,300	2,591,545	2,747,698	2,885,653	3,030,561	3,182,772	3,342,654	3,476,940	3,616,637	3,761,965	3,913,149
Total Rate Revenue	5,540,800	6,091,485	6,563,480	7,045,956	7,399,459	7,770,779	8,160,814	8,536,851	8,930,485	9,342,546	9,773,908
Projected Water Rate Increase	0%	12%	8%	8%	4%	4%	4%	4%	4%	4%	4%
Projected Sewer Rate Increase	0%	5%	5%	4%	4%	4%	4%	3%	3%	3%	3%





The main source of information regarding expenditures to serve these customers, their projected water consumption, and potential revenues is the "Institutional Corridor Water System Feasibility Study" completed by Larsen Consulting Group in March, 2010. The following assumptions were used to develop the revenue requirement projections under this scenario:

- ❑ Customers: YKHC facilities including the hospital, sobering center, housing, and other care facilities; Alaska DHHS; Alaska Fish and Wildlife; US Post Office; Alaska Public Health Services.
- ❑ Water Consumption: 17.5 million gallons per year for the 17 institutional corridor customers. The largest users are the YKHC Hospital (12.8 million gallons) and the Alaska DHHS Corrections facility (2.5 million gallons).
- ❑ Capital Expenditures: For this analysis, it was assumed Alternative 2 from the Feasibility Study would be constructed. This alternative includes a larger storage tank and larger booster station than Alternative 1. Capital expenditures were estimated at approximately \$14.4 million (2010\$). It is assumed these costs would be covered through state or federal agency grant funding and would not require a capital outlay from the City.
- ❑ Operating Expenditures: Annual O&M to maintain the additional pipe, storage tank, and booster station proposed in Alternative 2 were estimated at \$163,000 per year (2010\$).
- ❑ The extended water service will also increase annual operating costs at the City Subdivision Treatment Plant as more water will be produced to meet the increased demand. Based on discussion with city staff, no additional personnel will be needed at the treatment plant to service the institutional corridor. Electricity costs and supplies are expected to increase as more water is produced and treated. These costs were estimated by prorating the current expenses by the additional water consumed. Based on current budget data for the City Subdivision Treatment plant, it was assumed operating expenses would increase by approximately \$100,000 per year.
- ❑ Year of Operation: FY 2015/16.
- ❑ Revenue Projections: Existing commercial water rates (\$26.50/1,000 gallons) were applied to estimated water consumption. Water rate increases programmed before the first year of operation were applied. The revenue projections do not include additional development or service expansion beyond the customers along the institutional corridor.

The addition of the Institutional Corridor customers would have a positive impact on the financial performance of the water utility. The revenues generated by these customers would be greater than the estimated expense to provide them with service. According to the "Institutional Corridor Feasibility Study (Larsen Consulting, March 2010)," construction Alternative 2 would also allow the city to extend piped service to additional customers beyond the institutions discussed in the study. While these additional revenues were not included in this analysis, they have the potential to provide additional water revenue to the City.

The expansion of the Institutional Corridor will impact the operations of the water utility. It is recommended that if the extension of service to this area is completed that the City closely monitors the consumption patterns of these commercial customers for approximately 12 months and use this information to estimate the impact on utility operations. This information could be used to develop updated cost of service rates for piped commercial customers.

Exhibit 2-9 presents the revenue requirements for Scenario 3 for the water and sewer utility over the analysis period. When compared to Scenario 1, this scenario projects a larger increase in revenue requirements because the transfer from the General Fund is phased out by FY 2015/16 and an operating contingency has been introduced. These two factors will result in larger rate increases when compared to Scenario 1. However, the additional revenues from the Institutional Corridor are expected to result in slightly smaller rate increases when compared to Scenario 2. This scenario will also provide the utility with the largest ending balance that reaches approximately \$1.3 million at the end of the analysis.

This analysis assumed the City would need to implement a 12 percent increase in water rates in FY 2013/14, an 8 percent increase in FY 2014/15, a 5 percent increase in FY 2015/16, and 3 percent increases in each of the following years. The sewer rates would experience the same rate increases as Scenario 2.

#### 2.4.1.4 Summary

Exhibit 2-10 presents a comparison of the three scenarios presented previously of total monthly combined bills for the piped water system. Scenario 2 results in the highest rate impact because the utility is no longer receiving a transfer from the General Fund to help offset operating expenses.

Exhibit 2-11 presents a comparison of the three scenarios presented previously of total monthly combined bills for the piped water system. As with the piped customers, Scenario 2 results in the highest rate impact for hauled customers because the utility is no longer receiving a transfer from the General Fund to help offset operating expenses. For this exhibit, it was assumed that the hauled water and sewer customer had a 1,000 gallon tank capacity with service four times per month.

## 2.5 Summary

Based on the study findings summarized in previous sections, the City will need to consider increasing rates in future years to continue to meet the financial needs of the system under any of the scenarios analyzed. Scenario 1 will result in the smallest rate impact as the transfers from the General Fund will help offset operating losses. However this scenario is not a long-term, financially sustainable solution if the goal is to make the water and sewer utility self-sustaining. Both Scenarios 2 and 3 put the water and sewer fund on a stronger financial path and establish similar reserves by the end of the analysis. Scenario 2 requires slightly larger rate increases than Scenario 3 because it does not have the benefit of the additional revenues projected from the addition of the Institutional Corridor customers.

Subsequent analyses presented in this report utilized the revenue requirements developed for Scenario 2 as this scenario puts the water and sewer utility on a path towards financial sustainability.

The projected rate increases presented are based on the best available data and assumptions developed by the City and CH2M HILL as of March 2013. The City should review the financial plan regularly to ensure actual revenues and expenditures are tracking with the projections developed in this analysis. The City should review the financial plan annually and adjust the rates as needed to reflect current conditions and assumptions.

EXHIBIT 2-9  
Scenario 3 Revenue Requirements  
City of Bethel Water and Sewer Rate Study

	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Beginning Balance	0	3,953	98,096	171,714	453,985	729,031	988,752	1,223,651	1,389,008	1,468,271	1,442,624
Revenue Requirements											
Total Rev Requirement	6,168,682	6,444,588	6,738,160	7,369,582	7,712,535	8,078,211	8,468,511	8,885,514	9,331,494	9,808,934	10,320,556
Less: Non Rate Revenue	146,835	147,246	148,297	149,769	155,415	160,916	166,110	170,808	174,115	175,700	175,187
Use of Reserves	0	0	0	0	0	0	0	0	0	32,840	151,884
Transfer from General Fund	485,000	300,000	100,000	0	0	0	0	0	0	0	0
Total Requirements from Rates	5,536,847	5,997,342	6,489,863	7,219,812	7,557,121	7,917,295	8,302,401	8,714,706	9,157,378	9,600,394	9,993,484
Water Rate Revenue	3,096,500	3,499,940	3,815,782	4,616,430	4,801,606	4,994,244	5,194,646	5,403,124	5,620,003	5,845,623	6,080,335
Sewer Rate Revenue	2,444,300	2,591,545	2,747,698	2,885,653	3,030,561	3,182,772	3,342,654	3,476,940	3,616,637	3,761,965	3,913,149
Total Rate Revenue	5,540,800	6,091,485	6,563,480	7,502,083	7,832,167	8,177,016	8,537,300	8,880,064	9,236,641	9,607,588	9,993,484
Projected Water Rate Increase	0%	12%	8%	5%	3%	3%	3%	3%	3%	3%	3%
Projected Sewer Rate Increase	0%	5%	5%	4%	4%	4%	4%	3%	3%	3%	3%

## EXHIBIT 2-10

Comparison of Combined Average Monthly Residential Bill, Piped Residential Flat Rate  
 City of Bethel Water and Sewer Rate Study

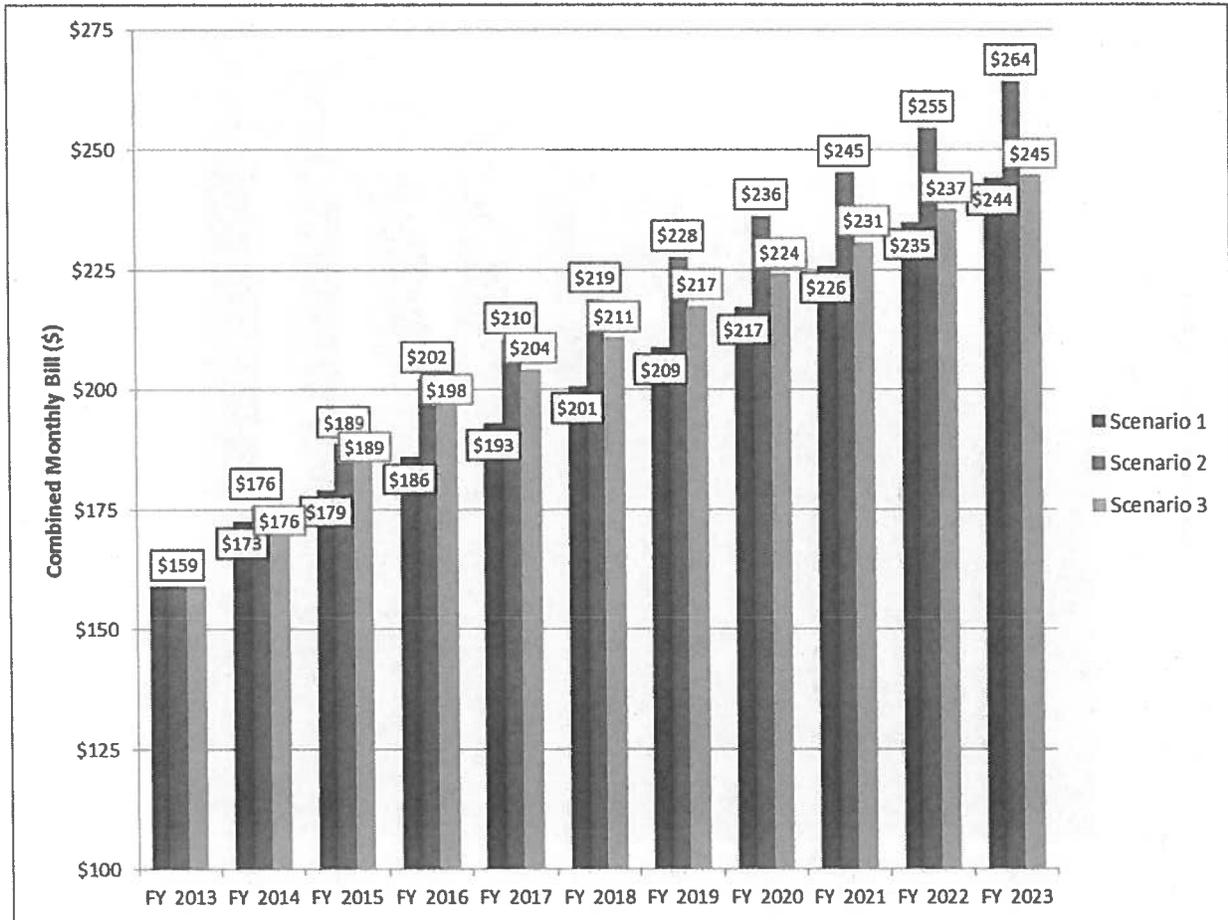
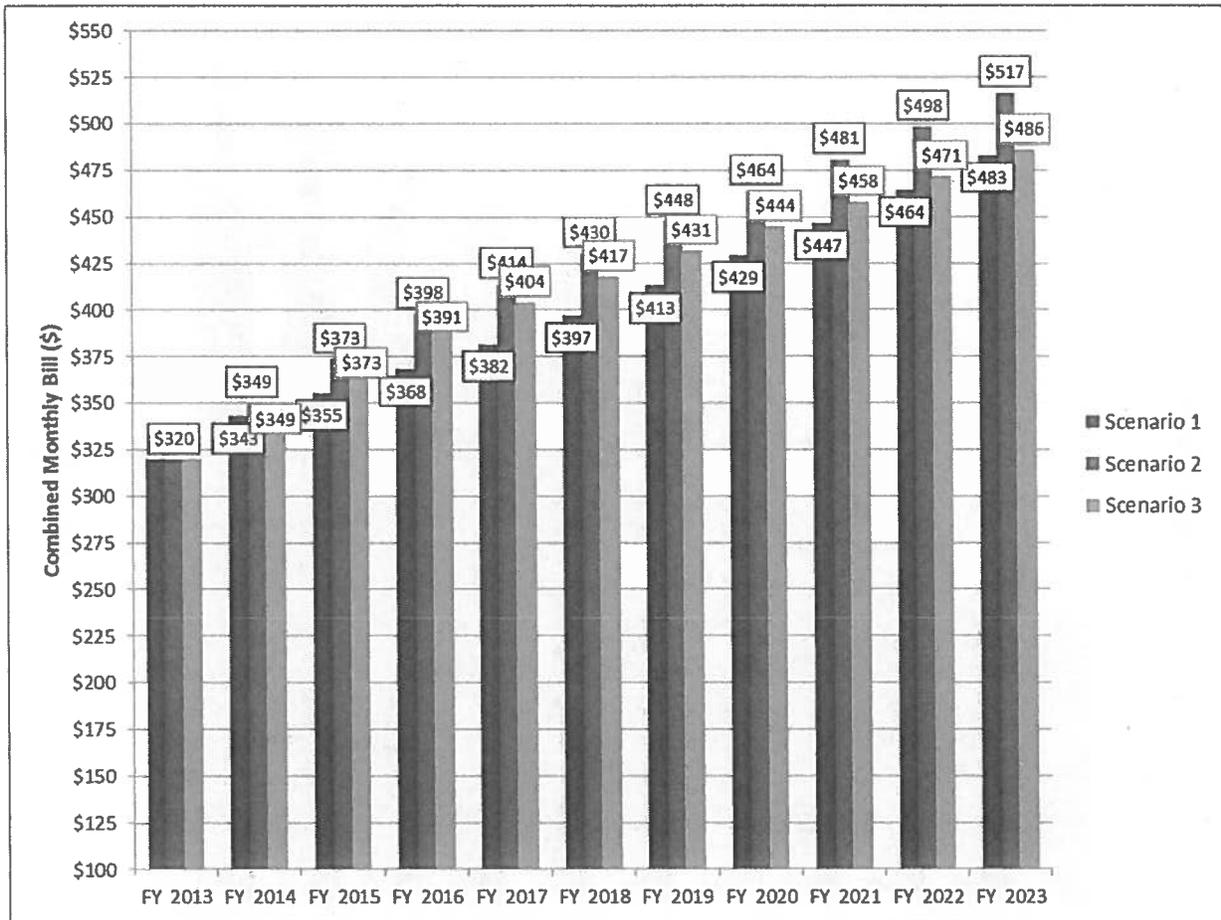


EXHIBIT 2-11

Comparison of Combined Average Monthly Residential Bill, Hauled Residential 1000 gallon/ 1x per week  
 City of Bethel Water and Sewer Rate Study



## Allocation of System Operating Costs

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A fundamental principle for developing an equitable system of user charges is to ensure that all users pay (through user charges or other fees) for their share of the total costs imposed on the system. A financial plan is used to determine annual costs and associated funding sources for a particular planning horizon (e.g., 10 years). The process of then allocating utility system costs to customer classes based on service demands is referred to as a cost of service analysis.

This section summarizes the allocation of system costs to different system users. The section begins with an introduction to the cost allocation methodology and then presents the cost allocation process for the water utility. The discussion of allocating sewer system costs follows. Each section will present the rate revenue requirement, the methodology used to allocate system costs to different system functions, and the allocation of system costs to customer classes. Rate design alternatives will be presented in Section 3 after the completion of the cost of service analysis.

### 3.1 Cost Allocation Methodology Overview

Building on the revenue requirements developed in Section 2 for FY 2013, the water and sewer utilities were analyzed as individual cost centers. Shared costs, such as billing, were allocated to each utility based on number of accounts. The costs allocable to each utility are then allocated to the users of the utility in proportion to the demands that the users place on the system. Through a multi step allocation process, costs are first allocated to general service functions, such as water treatment, hauled water or sewer service, or wastewater collection. Once the cost components making up the rate revenue requirements have been allocated to service functions these functional costs are then allocated to service characteristics. Service characteristics are associated with quantifiable levels of service, such as hauled or piped water consumption, hauled sewer, or wastewater flows. Once costs have been allocated to service characteristics, service characteristic unit costs are developed by dividing the service characteristic costs by the total system service characteristic demands. The demands of each customer class for each service characteristic are multiplied by the respective unit costs for each of the service characteristics to determine each class's share of the costs for each service characteristic. The summation of the service characteristic costs allocated to each customer class are the customer class's cost of service.

Rates are then designed to recover the costs of providing service to each customer class from the users comprising the class. The customer class structure is designed such that each of the customer classes consists of users with similar user characteristics, while separating users with dissimilar characteristics. In this way, the resulting rates will then result in charges to users in each class that approximate the cost of providing service to that user. Exhibit 3-1 graphically presents this cost allocation process.

### 3.2 Water System Cost Allocation

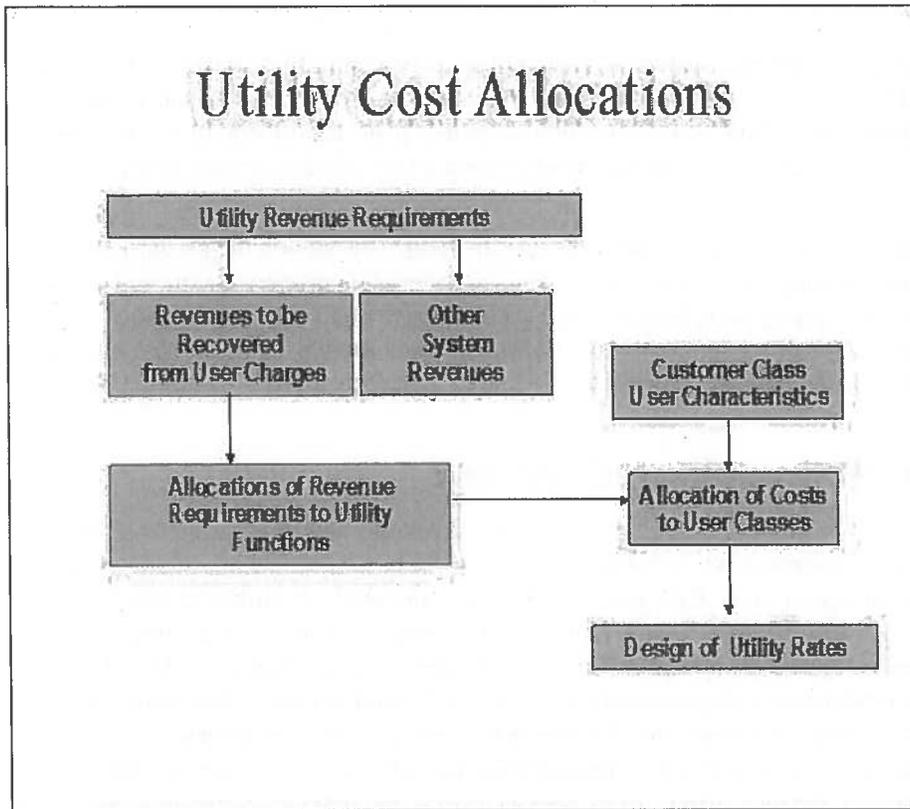
This section presents the allocation of the water system costs to the water system users, following a multi step cost allocation process by which the System revenue requirements are first allocated to wastewater system functions or services provided by the utility. The costs allocated to each function are then allocated to service characteristics that relate to the function, design, sizing, and operation of these facilities, and then to users in proportion to their use of those service characteristics.

#### 3.2.1 Operating Costs

The water utility's budget is organized by functional department.

- 51-80: Utility Billing
- 51-81: Hauled Water
- 51-82: Piped Water

EXHIBIT 3-1  
 Cost Allocation Process  
 City of Bethel Water and Sewer Rate Study



- 51-83: Bethel Heights Water Treatment Facility
- 51-84: City Subdivision Water Treatment Facility

Exhibit 3-2 presents the projected water system revenue requirements for FY 2012/13 through FY 2022/23. Under this scenario, the transfers from the general fund will be phased out by FY 2015/16 and the utility will be generating enough revenues to be self-sufficient. To generate sufficient revenues to cover the water system's projected costs, an increase in water rate revenues of 12.0 percent in FY 2013/14, 8.0 percent in FY 2014/15 and FY 2015/16, and 4.0 percent per year through FY 2022/23 are projected. ■

The projected revenue requirements for the water system of \$3.6 million in FY 2012/13 were used as the base year for the cost allocation. For this analysis, only operating expenses were included in revenue requirements as the City has no outstanding debt and it was assumed capital funding would be paid through state or federal grants.

To determine the net amount that must be recovered from user charges, revenues offsetting operations and maintenance cost were projected and subtracted from total operating costs. These revenues include interest earnings, public employee retirement system (PERS) revenues, and miscellaneous charges. As stated previously, revenues from subscription fees were not included in this analysis as the funds are transferred to a renewal and replacement account to fund future capital improvements. Transfers from the General Fund were also used to offset increases in revenue requirements and were subtracted from total operating expenses. After subtracting non-rate revenue from the revenue requirements, net rate revenue requirements are approximately \$3.1 million. Exhibit 3-3 presents the rate revenue requirement for FY 2012/13.

EXHIBIT 3-2  
Water System Revenue Requirement Projections  
City of Bethel Water and Sewer Rate Study

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Beginning Balance	0	-41,617	16,829	62,399	162,493	269,443	380,001	490,213	595,333	689,708	766,668
Revenue Requirements											
Hauled Water (51-81)	1,605,284	1,672,944	1,744,834	1,821,308	1,902,750	1,989,581	2,082,264	2,181,303	2,287,252	2,400,718	2,522,365
Piped Water (51-82)	399,819	414,697	430,372	446,903	464,357	482,803	502,318	522,988	544,903	568,164	592,881
Bethel Heights Treatment (51-83)	737,107	778,309	822,485	869,886	920,785	975,481	1,034,299	1,097,593	1,165,753	1,239,203	1,318,406
City Sub Water Treatment (51-84)	738,478	778,167	820,574	865,917	914,435	966,385	1,022,049	1,081,733	1,145,770	1,214,526	1,288,395
Utility Billing (51-80)	89,504	92,774	96,224	99,868	103,722	107,802	112,127	116,717	121,595	126,784	132,312
Fleet Replacement Fund	35,000	36,400	37,856	39,370	40,945	42,583	44,286	46,058	47,900	49,816	51,809
Debt Service	0	0	0	0	0	0	0	0	0	0	0
Total Rev Requirement	3,605,192	3,773,290	3,952,344	4,143,253	4,346,993	4,564,635	4,797,343	5,046,392	5,313,174	5,599,211	5,906,167
Less: Non Rate Revenue	82,075	81,795	82,132	83,043	85,045	87,184	89,395	91,600	93,702	95,589	97,129
Use of Reserves/(Additions to)	0	0	0	0	0	0	0	0	0	0	0
Transfer from General Fund	385,000	250,000	100,000	0	0	0	0	0	0	0	0
Total Requirements from Rates	3,138,117	3,441,494	3,770,212	4,060,210	4,261,948	4,477,450	4,707,947	4,954,792	5,219,472	5,503,622	5,809,038

EXHIBIT 3-3  
Water System Revenue Requirements, FY2012/13  
City of Bethel Water and Sewer Rate Study

Cost Center	FY2012/13
Billing	\$89,504
O&M Treatment Plants	\$1,475,585
Piped Water	\$399,819
Hauled Water	\$1,640,284
<b>Total Revenue Requirement</b>	<b>\$3,605,192</b>
Less:	
Non Rate Revenue	-4,751
Transfer from General Fund	385,000
PERS	86,826
Subtotal	467,075
<b>Total Rate Revenue Requirement</b>	<b>\$3,138,117</b>

PERS revenues were allocated to personnel costs based on each cost center's share of personnel expenses. Other non-rate revenue and transfers from the General Fund were allocated to the different cost centers based on each cost centers share of total utility expenses. Exhibit 3-4 presents the net rate revenue required from each cost center. These costs were then allocated to each customer class based on its respective demand on the system.

Exhibit 3-5 presents a summary of O&M cost centers and which customer classes the costs were allocated. O&M costs associated with utility billing were allocated between hauled and piped customers based on the number of customers receiving service from each system. Treatment plant O&M costs are shared by all customers as every gallon of water consumed is produced at the treatment facilities. Treatment plant O&M costs will be allocated to the piped and hauled systems based on their respective share of total water supplied.

## EXHIBIT 3-4

Net Water System Rate Revenue Requirements, FY 2012/ 13  
City of Bethel Water and Sewer Rate Study

Cost Center	FY 2012/ 13
Billing	76,218
O&M Treatment Plants	\$1,297,626
Piped Water	\$343,742
Hauled Water	\$1,420,530
Total Revenue Requirement	3,138,117

## EXHIBIT 3-5

O&M Cost Allocation to Customer  
City of Bethel Water and Sewer Rate Study

O&M Cost Centers	Costs Allocated to following Customer Class
51-80 Utility Billing	All customers
51-81 Hauled Water	Hauled Water customers only
51-82 Piped Water	Piped water customer only
51-83 Bethel Heights Water Treatment Facility	All customers
51-84 City Subdivision Water Treatment Facility	All customers

The approach to allocate FY 2012/13 budgeted Operating & Maintenance costs to service functions are presented in Exhibit 3-6. The allocations were based on discussions with city staff as well as a review of the activities undertaken by each budgeted cost center.

Exhibit 3-7 presents the water utility O&M cost allocation to different system characteristics by utility cost center.

Allocation of costs for the billing and O&M Piped water cost centers were described previously in Exhibit 3-6. Further discussion on the allocation process for O&M Water treatment and O&M Hauled Water are presented below:

- O&M Water Treatment: Operating expenses for the Bethel Heights and City Subdivision treatment plant were combined and treated as one cost center for this analysis. Based on discussions with city staff and CH2M HILL estimates, it was assumed that the costs to operate the treatment plants consisted of the following processes: water treatment and supply (65%), piped water demand (25%), and hauled water demand (10%).

Water treatment and supply costs are considered shared costs between hauled and piped customers and were allocated between the piped and hauled system based on the water supplied to each system. Costs associated with supplying piped water were allocated 100% to the piped system while costs associated with supplying hauled water demand were allocated 100% to the hauled system.

It was assumed that heating costs were primarily used to heat water during the treatment process, prevent water from freezing during the cooler months, and maintain the water temperature in the piped system. Based on discussions with city staff and CH2M HILL estimates, heating costs were allocated to water treatment and supply (80%) and the piped circulation loop (20%).

- O&M Hauled Water: Operating costs for the hauled system were allocated between two primary processes: Logistics and Pumping. Exhibit 3-8 presents the process of allocating driver personnel costs to the pumping function.

EXHIBIT 3-6  
 Water Utility O&M Cost Allocation Methodology  
 City of Bethel Water and Sewer Rate Study

Cost Center	System Functions	Notes	Basis for Allocation
<input type="checkbox"/> 51-80 Billing	<input type="checkbox"/> Customer service <input type="checkbox"/> Billing <input type="checkbox"/> Distribution <input type="checkbox"/> Pumping	<input type="checkbox"/> Costs allocated between hauled and piped customers  <input type="checkbox"/> Costs allocated between Logistics (i.e. driving, set-up, record keeping) and Pumping <input type="checkbox"/> Logistics charge is a flat rate per delivery <input type="checkbox"/> Consider charging different logistics charge for a two zone billing system <input type="checkbox"/> Pumping cost based on \$/1000 gallon of tank capacity <input type="checkbox"/> Estimate % of labor spent on pumping based on 90 gpm pumping rate <input type="checkbox"/> All costs allocated to piped water	<input type="checkbox"/> Allocated based on Number of Accounts  <input type="checkbox"/> Allocate labor costs based on % of labor spent on pumping vs. logistics <input type="checkbox"/> Allocate materials and services using same allocation % <input type="checkbox"/> Pumping Cost allocated based on billed capacity <input type="checkbox"/> Remaining costs allocated to Logistics and allocated based on estimated number of deliveries
<input type="checkbox"/> 51-81 O&M Hauled Water	<input type="checkbox"/> Distribution <input type="checkbox"/> Pumping	<input type="checkbox"/> Treatment plant serves both piped and hauled water customers; <input type="checkbox"/> Every gallon of water used is heated and treated; <input type="checkbox"/> Electricity costs allocated to three pumps: well, circulating loop, and truck filling pump; <input type="checkbox"/> Heating costs are used for treatment and recirculation	<input type="checkbox"/> Allocate costs based on % of total water consumed between residential (estimate volume) and commercial <input type="checkbox"/> All Electricity and Heating Well/Treatment costs will be allocated to hauled and piped customers based on % of total water consumed <input type="checkbox"/> All Electricity recirculation costs will be allocated to Piped customers <input type="checkbox"/> All Electricity costs associated with truck filling allocated to hauled system <input type="checkbox"/> All other costs allocated based on % of total water delivered to piped and hauled system
<input type="checkbox"/> 51-82 O&M Piped Water	<input type="checkbox"/> Distribution <input type="checkbox"/> Pumping		
<input type="checkbox"/> 51-83/84 O&M Treatment Plants	<input type="checkbox"/> Supply <input type="checkbox"/> Treatment <input type="checkbox"/> Pumping		

EXHIBIT 3-7  
 Water Utility O&M Cost Allocation to System Functions  
 City of Bethel Water and Sewer Rate Study

Cost Center	Treatment/ Supply	Piped	Hauled/ Logistics	Hauled/ Pumping	Billing
<b>Billing</b>					
Personnel					100%
Other O&M					100%
<b>Water Treatment</b>					
Personnel Costs	65%	25%		10%	
Electricity	65%	25%		10%	
Heating	80%	20%			
Supplies	65%	25%		10%	
Other O&M Costs	65%	25%		10%	
<b>O&amp;M Piped Water</b>					
Personnel		100%			
Other O&M costs		100%			
<b>O&amp;M Hauled Water</b>					
Personnel Costs			55%	45%	
Gas/Diesel			55%	45%	
Vehicle Maintenance			55%	45%	
Other O&M			55%	45%	

Note: Water Treatment/Supply Costs are allocated based on the percent of total water supplied to hauled and piped customers.

EXHIBIT 3-8  
 Allocation of O&M Hauled Personnel Cost to Pumping  
 City of Bethel Water and Sewer Rate Study

Total O&M Hauled Personnel Costs (FY 2013)	\$902,169
Total Driver Personnel Costs	\$824,093
Driver Cost per Hour	\$44.02
Driver Cost per Minute	\$0.73
Pumping Rate (gallons/minute)	90
Total Hauled Billed Capacity	45,646,250
Personnel Cost Allocated to Pumping	\$372,119
% of Total Driver Personnel Time	45%

Based on this estimate, 45 percent of driver time is spent on filling and servicing water tanks. The remaining 55 percent of the time is allocated to the logistics process. All O&M Hauled costs were allocated using these same percentages.

### 3.2.2 Cost Allocations to Service Characteristics

Exhibit 3-9 shows the allocation of Operation & Maintenance Costs to service characteristics.

EXHIBIT 3-9  
Water Utility O&M Cost  
City of Bethel Water and Sewer Rate Study

Cost Center	Treatment/ Piped	Treatment/ Hauled	Piped	Hauled/ Logistics	Hauled/ Pumped	Billing	Total
<b>Billing</b>							
Personnel						\$62,534	\$62,534
Other O&M						\$13,684	\$13,684
<b>Treatment</b>							
Personnel Costs	\$141,203	\$94,793	\$90,768		\$36,307		\$363,071
Electricity	\$107,117	\$71,910	\$68,856		\$27,542		\$275,425
Heating	\$192,423	\$129,178	\$80,400				\$402,001
Supplies	\$43,428	\$29,154	\$27,916		\$11,166		\$111,664
Other O&M Costs	\$56,574	\$37,979	\$36,366		\$14,547		\$145,465
<b>O&amp;M Piped Water</b>							
Personnel			\$226,160				\$226,160
Other O&M costs			\$117,583				\$117,583
<b>O&amp;M Hauled Water</b>							
Personnel Costs				\$416,968	\$343,298		\$760,266
Gas/Diesel				\$85,856	\$70,687		\$156,542
Vehicle Maintenance				\$168,825	\$138,997		\$307,822
Other O&M				\$107,441	\$88,458		\$195,900
<b>Total</b>	<b>\$540,744</b>	<b>\$363,013</b>	<b>\$648,049</b>	<b>\$779,090</b>	<b>\$731,002</b>	<b>\$76,218</b>	<b>\$3,138,117</b>

□

Exhibit 3-10 presents a summary of the customer class service characteristics. Using the summary measures of the various service characteristic units developed in this table in conjunction with the revenue requirements allocated to the service characteristics, unit costs associated with each service characteristic can be calculated. Residential unmetered piped water usage was estimated based on 5,000 gallons per month per household. Hauled water customers are charged based on the capacity of their water tank while metered piped customers are billed on consumption. In order to estimate the number of deliveries made each year, total equivalent deliveries were estimated by applying a delivery factor of 1.0 to tanks of 3,500 gallons or less, a delivery factor of 2.0 to tanks larger than 3,500 gallons, and 5.0 for extra call deliveries. Customers located in Zone 2 of a two zone system were assigned an additional factor of 2.0 as it is estimated to take twice as long to provide service to these customers.

EXHIBIT 3-10  
 Water Service Characteristic Billing Units by Customer Class, FY2013  
 City of Bethel Water and Sewer Rate Study

User Characteristics	Hauled	Piped	Total
No. of Customers	1,037	435	1,472
Plant Demand	31,057,646	46,263,490	77,321,136
% of Total Demand	40%	60%	
Estimated Billed Capacity/Usage	45,646,250	32,409,741	77,322,608
Residential Piped Usage Estimate		23,678,156	
Commercial Piped Usage Estimate		8,731,585	
Total Equivalent Deliveries, 1 Zone	58,070		58,070
Total Equivalent Deliveries, 2 Zone			
Zone 1	38,154		
Zone 2	39,832		

The unit costs are presented in Exhibit 3-11. Based on the unit costs calculated in Exhibit 3-10 and the demands for service at the customer class level presented in Exhibit 3-9, the service characteristic costs associated with providing service to each customer class are calculated.

EXHIBIT 3-11  
 Development of Billing Unit Costs, FY2013  
 City of Bethel Water and Sewer Rate Study

Unit Costs	Hauled	Piped	Unit
Billing	\$4.32	\$4.32	\$/customer/month
O&M Treatment Plants	\$9.91	\$26.07	\$/1000 gallons
Piped Water	NA	\$10.61	\$/1000 gallons
Hauled Water-pumping	\$14.05	NA	\$/1000 gallons
Hauled Water-logistics, 1 zone	\$13.42	NA	\$/equivalent delivery
Hauled Water-logistics, 2 zone	\$9.99		\$/equivalent delivery

The summary of all service characteristic costs for a specific customer class is the estimated cost of service for that class and from a cost of service standpoint is the measure of rate revenue that under equitable conditions would be recovered from that class. These customer class costs for FY 2013 for the water system are presented in Exhibit 3-12. The cost per thousand gallons of water produced for the hauled and piped system is \$62.04 and \$26.18, respectively. Based on this metric, it cost over twice as much to produce and deliver water to the hauled system than the piped system. It should be noted that the production cost may differ from the billing rate as the billing units may differ from production units. For example, the hauled customers are billed based on tank capacity and not on actual usage.

EXHIBIT 3-12  
Development of Estimated Customer Class Cost of Service, FY2013  
City of Bethel Water and Sewer Rate Study

Cost Center	Hauled	Piped	Total
Billing	\$53,708	\$22,510	\$76,218
O&M Treatment Plants	\$452,575	\$845,051	\$1,297,626
Piped Water	0	\$343,742	\$343,742
Hauled Water-pumping	\$641,440	\$0	\$641,440
Hauled Water-logistics	\$779,090	\$0	\$779,090
<b>Total</b>	<b>\$1,926,813</b>	<b>\$1,211,304</b>	<b>\$3,138,117</b>
% of Total Cost	61%	39%	
Total Water Produced	31,057,646	46,263,490	77,321,136
\$/000 gallons Produced	\$62.04	\$26.18	\$40.59

Providing service to the hauled water system requires 9 service trucks driving approximately 9,500 miles per year per truck, or nearly 86,000 miles total. The total cost of providing service to the hauled system, including water treatment, water supply, and pumping costs, was estimated to be nearly \$1.9 million. The average cost per mile for providing service to the hauled water system is approximately \$23.00 per mile.

For the piped system, there is approximately 66,000 linear feet of water pipe and service lines. The total cost of providing service to the piped system was estimated to be approximately \$1.2 million. The average cost per linear foot of water pipe is approximately \$18.00 per linear foot. It should be noted that it is not an equitable evaluation to compare the cost per mile for the hauled system to the cost per linear foot of the piped system.

Exhibit 3-13 presents the revenue recovery by customer class under calculated cost of service rates and existing rates. Hauled water customers are allocated 61 percent of total requirements under cost of service rates versus 72 percent under existing rates. Piped residential customers are allocated 29 percent of total requirements under cost of service rates and 19 percent under existing rates. When compared to existing revenues, piped residential customers were allocated a larger share of revenue recovery responsibility based on the results of this cost of service analysis.

### 3.3 Sewer System Cost Allocation

This section presents the allocation of the sewer system costs to the sewer system users, following a similar cost allocation process described in the Water System Cost Allocation Section.

#### 3.3.1 Operating Costs

The sewer utility's budget is organized by functional department.

- 51-80: Utility Billing
- 51-85: Hauled Sewer
- 51-86: Piped Sewer
- 51-87: Sewer Lagoon

Exhibit 3-14 presents the projected sewer system revenue requirements for FY 2012/13 through FY 2022/23. Under this scenario, the transfers from the general fund will be phased out by FY 2015/16 and the utility will be generating enough revenues to be self-sufficient. To generate sufficient revenues to cover the sewer system's projected costs, an increase in sewer rate revenues of 3.0 percent per year from FY 2013/14 through FY 2016/17, and 4.0 percent per year from FY 2017/18 through FY 2022/23 are projected. [1]

EXHIBIT 3-13  
 Water Cost of Service Revenue Recovery by Customer Class, FY2013  
 City of Bethel Water and Sewer Rate Study

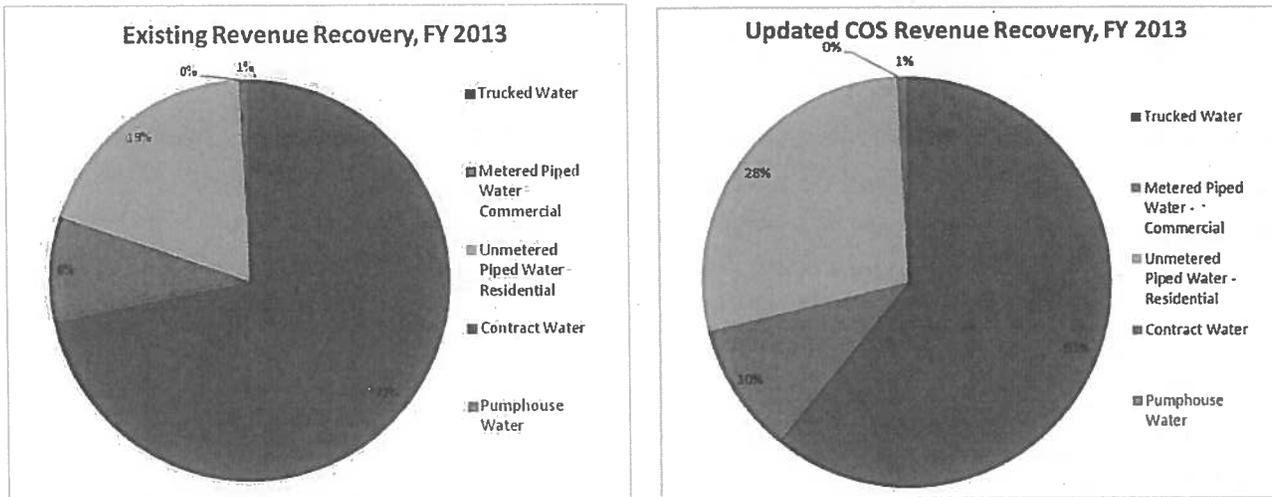


EXHIBIT 3-14  
 Sewer System Revenue Requirement Projections  
 City of Bethel Water and Sewer Rate Study

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Beginning Balance	0	45,570	81,267	109,315	154,098	215,034	291,214	381,352	450,073	491,432	498,626
<b>Revenue Requirements</b>											
Hauled Sewer (51-85)	1,681,330	1,747,571	1,817,670	1,891,934	1,970,701	2,054,340	2,143,254	2,237,884	2,338,712	2,446,267	2,561,128
Piped Sewer (51-86)	611,072	642,034	675,228	710,849	749,112	790,254	834,531	882,228	933,653	989,147	1,049,083
Sewer Lagoon (51-87)	138,829	144,830	151,224	158,045	165,330	173,120	181,460	190,397	199,987	210,287	221,362
Utility Billing (51-80)	97,259	100,813	104,562	108,522	112,709	117,143	121,843	126,831	132,132	137,771	143,777
Fleet Replacement Fund	35,000	36,050	37,132	38,245	39,393	40,575	41,792	43,046	44,337	45,667	47,037
Debt Service	0	0	0	0	0	0	0	0	0	0	0
<b>Total Rev Requirement</b>	<b>2,563,490</b>	<b>2,671,299</b>	<b>2,785,815</b>	<b>2,907,596</b>	<b>3,037,246</b>	<b>3,175,432</b>	<b>3,322,880</b>	<b>3,480,385</b>	<b>3,648,820</b>	<b>3,829,139</b>	<b>4,022,387</b>
<b>Less: Non Rate Revenue</b>	<b>64,760</b>	<b>65,451</b>	<b>66,165</b>	<b>66,726</b>	<b>67,622</b>	<b>68,840</b>	<b>70,364</b>	<b>72,167</b>	<b>73,541</b>	<b>74,368</b>	<b>74,512</b>
Use of Reserves/(Additions to)	0	0	0	0	0	0	0	0	0	0	34,726
Transfer from General Fund	100,000	50,000	0	0	0	0	0	0	0	0	0
<b>Total Requirements from Rates</b>	<b>2,398,730</b>	<b>2,555,848</b>	<b>2,719,650</b>	<b>2,840,870</b>	<b>2,969,624</b>	<b>3,106,592</b>	<b>3,252,516</b>	<b>3,408,219</b>	<b>3,575,279</b>	<b>3,754,771</b>	<b>3,913,149</b>

The projected revenue requirements for the sewer system of \$2.6 million in FY 2012/13 were used as the base year for the cost allocation process. For this analysis, only operating expenses were included in revenue requirements as the City has no outstanding debt and it was assumed capital funding would be paid through state or federal grants.

To determine the net amount that must be recovered from user charges, revenues offsetting operations and maintenance cost were projected and subtracted from total operating costs. These revenues include interest earnings, subscription charges, PERS revenues, and miscellaneous charges. Transfers from the General Fund were also used to offset increases in revenue requirements and were subtracted from total operating expenses. After subtracting non-rate revenue from the revenue requirements, net rate revenue requirements are approximately \$2.4 million. Exhibit 3-15 presents the rate revenue requirement for FY 2012/13.

PERS revenues were allocated to personnel costs based on each cost center's share of personnel expenses. Other non-rate revenue and transfers from the General Fund were allocated to the cost centers based on each cost center's share of total utility expenses. Exhibit 3-16 presents the net rate revenue required from each cost center. These costs were then allocated to each customer class based on its respective demand on the system.

EXHIBIT 3-15  
Sewer System Revenue Requirements, FY2012/13  
City of Bethel Water and Sewer Rate Study

Cost Center	FY2012/13
Billing	\$97,259
O&M Lagoon	\$138,829
Piped Sewer	\$611,072
Hauled Sewer	\$1,716,330
Total Revenue Requirement	\$2,563,490
Less:	
Non Rate Revenue	-3,749
Transfer from General Fund	100,000
PERS	68,509
Subtotal	164,760
Total Rate Revenue Requirement	\$2,398,730

EXHIBIT 3-16  
Net Rate Revenue Requirements, FY2012/13  
City of Bethel Water and Sewer Rate Study

Cost Center	FY2012/13
Billing	\$89,791
O&M Lagoon	\$129,441
Piped Sewer	\$575,189
Hauled Sewer	\$1,604,309
Total Revenue Requirement	\$2,398,730

Exhibit 3-17 presents a summary of O&M cost centers and which customer class the costs were allocated to. O&M costs associated with utility billing were allocated between hauled and piped customers based on the number of customers receiving service from each system. Sewer Lagoon O&M costs are shared by all customers based on their respective contributions to total sewer flows.

EXHIBIT 3-17  
O&M Cost Allocation to Customer  
City of Bethel Water and Sewer Rate Study

O&M Cost Centers	Costs Allocated to following Customer Class:
51-80 Utility Billing	All customers
51-85 Hauled Sewer	Hauled Sewer customers only
51-86 Piped Sewer	Piped and hauled sewer customers
51-87 Sewer Lagoon	All customers

The approach to allocate FY 2012/13 budgeted Operating & Maintenance costs to service functions are presented in Exhibit 3-18. The allocations were based on discussions with city staff as well as a review of the activities undertaken by each budgeted cost center.

## EXHIBIT 3-18

Sewer Utility O&M Cost Allocation Methodology  
City of Bethel Water and Sewer Rate Study

Cost Center	System Functions	Notes	Basis for Allocation
51-80 Billing	Customer service Billing	Cost shared between water and sewer customers	Allocated based on Number of Accounts
51-85 O&M Hauled Sewer	Collection Pumping	Costs allocated between Logistics (i.e. driving, set-up, record keeping) and Pumping Logistics charge is a flat rate per delivery Consider charging different logistics charge for a two zone billing system Pumping cost based on \$/100 gallon of tank capacity Estimate % of labor spent on pumping based on 180 gpm pumping rate	Allocate labor costs based on % of labor spent on pumping vs. logistics Allocate materials and services using same allocation % Pumping Cost allocated based on billed capacity Remaining costs allocated to Logistics and allocated based on estimated number of deliveries
51-86 O&M Piped Sewer	Collection Pumping	Most costs allocated to Piped customers Some costs allocated to hauled system because of pumping into QFC2 lift station Allocate these costs to hauled customers	Allocate costs based on contribution to overall flow Hauled sewer enters piped system via QFC 2 lift station; Approx. 35,000 gallons per day Assume hauled flow = approx. 12% of total flow through piped sewer system
51-87 O&M Lagoon	Settling pond	All flows enter lagoon via piped system or from trucks	Allocated based on percentage of total flow from piped and hauled customers

Exhibit 3-19 presents the sewer utility O&M cost allocation to different system characteristics by utility cost center.

## EXHIBIT 3-19

Sewer Utility O&M Cost Allocation to System Functions  
City of Bethel Water and Sewer Rate Study

Cost Center	Lagoon	Piped Sewer	Hauled/ Logistics	Hauled/ Pumped	Billing
Billing					
Personnel					100%
Other O&M					100%
O&M Lagoon					
Personnel Costs	100%				
Other O&M Costs	100%				
O&M Piped Sewer					
Personnel		85%		15%	
Other O&M costs		85%		15%	
O&M Hauled Sewer					
Personnel Costs			45%	55%	
Gas/Diesel			45%	55%	
Vehicle Maintenance			45%	55%	
Other O&M			45%	55%	

Allocation of costs for the billing, O&M Piped sewer, and O&M Sewer Lagoon cost centers were described previously in Exhibit 3-18. Further discussion on the allocation process for O&M Hauled Sewer is presented below:

- O&M Hauled Sewer: Operating costs for the hauled system were allocated between two primary processes: Logistics and Pumping. Exhibit 3-20 presents the process of allocating driver personnel costs to the pumping function.

Based on this estimate, 55 percent of driver time is spent on evacuating and servicing sewer tanks. This estimate also assumes that the pumping process occurs twice: once while servicing the tank and once while pumping into the QFC2 lift station or directly into the sewer lagoon. The remaining 45 percent of the time is allocated to the logistics process. All O&M Hauled costs were allocated using these same percentages.

EXHIBIT 3-20  
Allocation of O&M Hauled Personnel Cost to Pumping  
City of Bethel Water and Sewer Rate Study

Total O&M Hauled Personnel Costs (FY 2013)	\$1,005,081
Total Driver Personnel Costs	\$929,553
Driver Cost per Hour	\$49.66
Driver Cost per Minute	\$0.83
Pumping Rate (gallons/minute)	180
Total Hauled Billed Capacity	55,946,850
Personnel Cost Allocated to Pumping	\$514,458
% of Total Driver Personnel Time	55%

### 3.3.2 Cost Allocations to Service Characteristics

Exhibit 3-21 shows the allocation of Operation & Maintenance Costs to service characteristics.

EXHIBIT 3-21  
Sewer Utility O&M Cost  
City of Bethel Water and Sewer Rate Study

Cost Center	Lagoon	Piped Sewer	Hauled/ Logistics	Hauled/ Pumped	Billing	Total
<b>Billing</b>						
Personnel					\$73,791	\$73,791
Other O&M					\$15,999	\$15,999
<b>O&amp;M Lagoon</b>						
Personnel Costs	\$80,713					\$80,713
Other O&M Costs	\$48,728					\$48,728
<b>O&amp;M Piped Sewer</b>						
Personnel		\$315,305		\$53,503		\$368,807
Other O&M costs		\$176,442		\$29,940		\$206,382
<b>O&amp;M Hauled Sewer</b>						
Personnel Costs			\$410,724	\$509,042		\$919,766
Gas/Diesel			\$55,657	\$68,980		\$124,638

## EXHIBIT 3-21

## Sewer Utility O&amp;M Cost

## City of Bethel Water and Sewer Rate Study

Cost Center	Lagoon	Piped Sewer	Hauled/ Logistics	Hauled/ Pumped	Billing	Total
Vehicle Maintenance			\$158,374	\$196,285		\$354,658
Other O&M			\$91,654	\$113,594		\$205,248
Total	\$129,441	\$491,747	\$716,409	\$971,342	\$89,791	\$2,398,730

Exhibit 3-22 presents a summary of the customer class service characteristics. Using the summary measures of the various service characteristic units developed in this table in conjunction with the revenue requirements allocated to the service characteristics, unit costs associated with each service characteristic can be calculated.

## EXHIBIT 3-22

## Sewer Service Characteristic Billing Units by Customer Class, FY2013

## City of Bethel Water and Sewer Rate Study

User Characteristics	Hauled	Piped	Total
No. of Customers	1,125	474	1,599
Total Effluent	27,951,881	63,941,924	91,893,806
% of Total	30%	70%	
Estimated Billed Capacity/Usage	55,946,850	63,941,924	
Commercial		42,631,584	
Residential		21,310,340	
Total Equivalent Deliveries	48,168		

The unit costs are presented in Exhibit 3-23. Based on the unit costs calculated in Exhibit 3-20 and the demands for service at the customer class level presented in Exhibit 3-19, the service characteristic costs associated with providing service to each customer class are calculated.

## EXHIBIT 3-23

## Development of Billing Unit Costs, FY2013

## City of Bethel Water and Sewer Rate Study

Unit Costs	Hauled	Piped	Unit
Billing	\$4.68	\$4.68	\$/customer/month
O&M Lagoon	\$0.70	\$1.41	\$/1000 gallons
Piped Sewer	\$1.49	\$7.69	\$/1000 gallons
Hauled Sewer-pumping	\$15.87	NA	\$/1000 gallons
Hauled Sewer-logistics	\$14.87	NA	\$/equivalent delivery

The summary of all service characteristic costs for a specific customer class is the estimated cost of service for that class and from a cost of service standpoint is the measure of rate revenue that under equitable conditions would be recovered from that class. These customer class costs for FY 2013 for the water system are presented in Exhibit 3-24. The cost per thousand gallons of effluent for the hauled and piped system is \$64.05 and \$9.52,

respectively. Based on this metric, it cost over six times as much to collect and deliver sewage from the hauled system than the piped system. It should be noted that the production cost may differ from the billing rate as the billing units may differ from production units. For example, the hauled customers are billed based on tank capacity and not on actual sewage pumped.

EXHIBIT 3-24  
Development of Estimated Customer Class Cost of Service, FY2013  
City of Bethel Water and Sewer Rate Study

Cost Center	Hauled	Piped	Total
Billing	\$63,167	\$26,623	\$89,791
O&M Lagoon	\$39,373	\$90,068	\$129,441
Piped Sewer	\$83,442	\$491,747	\$575,189
Hauled Sewer-pumping	\$887,900	0	\$887,900
Hauled Sewer-logistics	\$716,409	0	\$716,409
<b>Total</b>	<b>\$1,790,292</b>	<b>\$608,439</b>	<b>\$2,398,730</b>
% of Total	75%	25%	
Total Effluent	27,951,881	63,941,924	91,893,806
\$/000 gallons Effluent	\$64.05	\$9.52	\$26.10

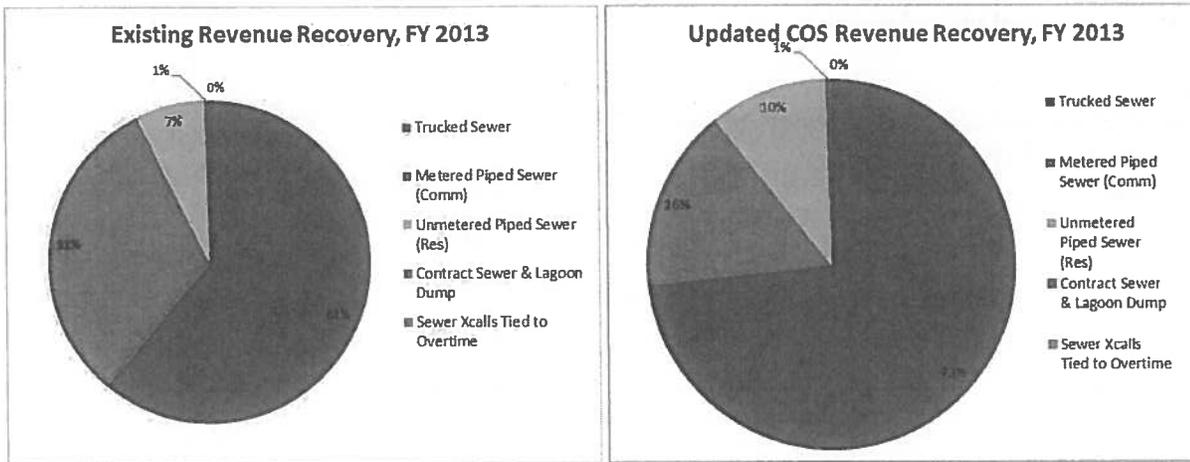
□

Providing service to the hauled sewer system requires 7 service trucks driving approximately 9,500 miles per year per truck, or nearly 67,000 miles total. The total cost of providing service to the hauled system, including pumping costs, was estimated to be nearly \$1.8 million. The average cost per mile for providing service to the hauled sewer system is approximately \$27.00 per mile.

For the piped system, there is approximately 77,000 linear feet of sewer pipe and service lines. The total cost of providing service to the piped system was estimated to be approximately \$608,000. The average cost per linear foot of sewer pipe is approximately \$8.00 per linear foot. It should be noted that it is not an equitable evaluation to compare the cost per mile for the hauled system to the cost per linear foot of the piped system.

Exhibit 3-25 presents the revenue recovery by customer class under calculated cost of service rates and existing rates. Hauled sewer customers are allocated 73 percent of total requirements under cost of service versus 61 percent under existing rates. Piped commercial customers are allocated 16 percent of total requirements under cost of service while accounting for 31 percent under existing rates. Piped residential customers are allocated a slightly larger share of revenue recovery under cost of service rates when compared to existing rates. When compared to existing revenues, hauled sewer customers were allocated a larger share of revenue recovery responsibility based on the results of this cost of service analysis.

EXHIBIT 3-25  
 Cost of Service Revenue Recovery by Customer Class, FY 2013  
 City of Bethel Water and Sewer Rate Study



SECTION 4

# Water and Sewer Rate Design

The purpose of this section is to develop a schedule of rates that will recover system revenue requirements equitably from the customer classes based on their allocated cost of service. Cost allocations, as discussed in the previous section, determined the cost of providing service to each customer class. This section will use those cost allocations to develop a set of proposed rates that are designed to recover the costs of serving each customer class from the users composing that class.

The rates presented in this report assume that the annual increase in revenue requirements will be covered by rate increases. For hauled customers, a small sample of customer rates will be presented in this section. For a complete rate schedule, see Appendix C.

## 4.1 Water Rate Design

### 4.1.1 Existing Water Rate Schedule

Bethel charges its hauled water customers a rate based on the capacity of the water tank and the frequency of water delivery. For customers requiring additional delivery outside their normal delivery schedule, the City has an extra delivery schedule. Exhibit 4-1 presents the current hauled water rate structure.

EXHIBIT 4-1  
 Current Hauled Water Rates, FY2012/13  
 City of Bethel Water and Sewer Rate Study

Capacity	1 Time/Month	2 Times/Month	1 Time/Week	2 Times/Week	3 Times/Week	4 Times/Week	Extra Call/Delivery
100	\$11.83	\$27.90	\$40.27	\$64.86	\$74.73	\$102.72	
150	\$13.75	\$28.04	\$57.21	\$116.66	\$178.30	\$242.25	
200	\$15.89	\$32.52	\$66.49	\$135.88	\$208.18	\$283.34	\$71.43
250	\$17.90	\$36.67	\$75.08	\$153.67	\$235.77	\$321.37	\$74.05
300	\$19.74	\$40.48	\$82.97	\$170.02	\$261.11	\$356.72	\$76.67
350	\$21.40	\$43.94	\$90.17	\$184.90	\$284.24	\$388.16	\$79.28
400	\$22.91	\$47.07	\$96.66	\$198.35	\$305.12	\$416.91	\$81.90
450	\$24.25	\$49.87	\$102.42	\$210.36	\$323.75	\$442.61	\$84.51
500	\$25.41	\$52.28	\$107.52	\$220.91	\$340.14	\$465.22	\$87.13
550	\$28.42	\$58.53	\$120.44	\$247.61	\$381.55	\$522.21	\$89.75
600	\$29.38	\$60.45	\$124.35	\$255.59	\$393.73	\$538.75	\$92.37
650	\$33.27	\$68.57	\$141.25	\$290.68	\$448.34	\$614.18	\$94.98
700	\$34.36	\$70.79	\$145.79	\$299.93	\$406.58	\$633.40	\$97.59
750	\$35.48	\$73.08	\$150.47	\$309.48	\$477.08	\$653.21	\$100.21
800	\$40.81	\$84.29	\$173.79	\$358.05	\$552.79	\$749.30	\$102.83
850	\$42.14	\$86.99	\$179.29	\$369.29	\$569.99	\$781.39	\$105.45
900	\$43.50	\$89.76	\$184.94	\$380.82	\$587.63	\$805.36	\$108.07
1000	\$46.32	\$95.51	\$196.69	\$404.76	\$624.22	\$855.04	\$113.29

## EXHIBIT 4-1

Current Hauled Water Rates, FY2012/13  
City of Bethel Water and Sewer Rate Study

Capacity	1 Time/Month	2 Times/Month	1 Time/Week	2 Times/Week	3 Times/Week	4 Times/Week	Extra Call/Delivery
1200	\$55.45	\$114.54	\$236.29	\$487.04	\$751.42	\$1,015.55	\$123.77
1400	\$64.58	\$133.56	\$275.89	\$569.33	\$878.63	\$1,176.05	\$134.23
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$139.46
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$247.58	\$495.15	\$990.31	\$1,980.60	\$2,970.91	\$3,961.19	\$383.59

For the piped water system, the City charges a flat residential fee for piped water service of \$125.08 per dwelling unit. The current fee schedule also has meter and volume charges for piped water. However, at this time, all residential customers are charge the flat rate, regardless of whether they have a meter. Commercial customers are charged a volume rate of \$26.50 per thousand gallons of water consumption. Commercial customers do not pay a monthly service charge. Customers can also purchase water from the Bethel Heights Treatment plant at a self-service site. The rate is approximately \$0.03 per gallon. Piped water rates are presented in Exhibit 4-2.

## EXHIBIT 4-2

Current Piped Water Rates, FY2012/13  
City of Bethel Water and Sewer Rate Study

Rate	Residential	Commercial
Flat Rate Residential (\$/mo)	\$125.08	NA
Meter Charge Residential (\$/mo)	\$64.00	NA
Volume Charge (\$/000 gallons)	\$26.00	\$26.50
Pump House Water (\$/gallon)	\$0.03	

#### 4.1.2 Cost of Service Water Rates

Exhibit 4-3 presents rates generated from the cost of service analysis. The cost of service rates are designed to recover system revenue requirements; however, the revenue responsibility may have shifted from one class to another based on the allocation of system costs and on user characteristics. The rates presented in the table are for FY 2013. Based on the future revenue requirements, additional rate increases will also be necessary.

## EXHIBIT 4-3

Cost of Service Water Rates, FY2013  
City of Bethel Water and Sewer Rate Study

Customer Class	Rate
Hauled Water, 1000 Gallons/1x per week	\$166.31
Hauled Water, 500 gallons/1x per week	\$114.38
Residential Piped, Flat Rate (\$/mo)	\$187.72
Commercial Rate (\$/1000 gal)	\$36.92

Based on the cost of service analysis, revenue recovery shifted from hauled water service to piped water service. Most hauled water customers would see a reduction in their monthly rates while residential piped water customers would experience a significant increase in their flat monthly fee. Commercial rates experienced an increase when compared to existing rates, but not as significant as residential customers. Some hauled water customers with tanks sizes under 1000 gallons would experience a modest increase over existing rates. Exhibit 4-4 presents a comparison of calculated cost of service rates to existing rates.

## EXHIBIT 4-4

Monthly Bill Comparison  
City of Bethel Water and Sewer Rate Study

Customer Class	Existing	COS Rates	
		Sample Bill	% Change over Existing
Hauled Water, 1000 Gallons/1x per week	\$196.69	\$166.31	-15%
Hauled Water, 500 gallons/1x per week	\$107.52	\$114.38	6%
Residential Piped, Flat Rate (\$/mo)	\$125.08	\$187.72	50%
Commercial Rate (\$/1000 gal)	\$397.50	\$553.76	39%

## Notes:

<sup>1</sup> Metered commercial bill based on monthly water use of 15,000 gallons

### 4.1.3 Two Zone COS Water Rates

An alternative rate design strategy for hauled water customers would be to develop a separate set of rates to reflect the higher transportation costs associated with providing service to customers located farther from the water treatment facilities. For this analysis, the following areas of the water utility's service area were grouped to form a second delivery zone for the hauled water utility: Kasayuli subdivision, Larsen subdivision, Tundra Ridge subdivision, and hauled water customers located near the airport. Exhibit 4-5 presents the customer characteristics for the two zone structure.

## EXHIBIT 4-5

2 Zone User Characteristics, FY2013  
City of Bethel Water and Sewer Rate Study

	Zone 1	Zone 2
No. of Customers	739	411
Estimated Billed Capacity	27,405,050	18,241,200
Delivery Equivalents	38,154	39,832

The creation of a two zone structure would only impact the delivery component of the rate. The component of the rate that recovers the cost to produce and treat water at the treatment facilities is not affected by the two zone structure. A delivery surcharge would be applied to the customers in the second zone to recover the additional time and materials it takes to serve these customers. Based on discussion with city staff, it was estimated that it takes on average approximately twice as long to serve customers located in the second zone. It should be noted that the 2 zone system only impacts the rates for the hauled water customers. Rates for the piped water system would be the same as those presented in Exhibit 4-3 in the COS Water Rate section.

Exhibit 4-6 presents the proposed cost of service rates for a sample of hauled water customers. Under this rate structure, a customer with a 1000 gallon tank that receives service once a week would experience a decrease in its water rate of 23 percent when compared to existing rates. The same customer in Zone 2 would experience a small increase of one percent. For a customer that has 500 gallon tank and service one time per week, the Zone 1 customer would experience a decrease of seven percent when compared to existing rates. However, the customer in zone 2 would experience an increase of 33 percent. The higher increase in cost for the small size tank reflects the impact of the delivery surcharge and the fact the delivery component comprises a larger percentage of the overall rate.

EXHIBIT 4-6  
Two Zone Cost of Service Water Rates, FY2013  
City of Bethel Water and Sewer Rate Study

Customer Class	Existing	COS Rates		% Change from Existing	
		Zone1	Zone2	Zone 1	Zone 2
Hauled Water, 1000 Gallons/1x per week	\$196.69	\$151.46	\$194.76	-23%	-1%
Hauled Water, 500 gallons/1x per week	\$107.52	\$99.54	\$142.83	-7%	33%

#### 4.1.4 Phased-In COS Water Rates

This strategy would phase in rates that closer align with the cost of service analysis over several years. The phased-in approach would not lower existing rates for any customer class. It would also apply different levels of rate increase to different customer classes to phase-in cost of service rates. Some customers would experience larger percentage increases when compared to other customers to reflect the shift in cost recovery from one class to another. There would also be some hauled water customers that experience a greater percentage rate increase than other hauled customers. This would be most noticeable for customers with tank sizes less than 500 gallons.

For piped commercial customers, water rates were set below the suggested COS rate to off-set sewer rates that are currently above COS levels. This approach will generate a combined water and sewer bill that by FY 2016/17 achieves estimated COS levels.

Exhibit 4-7 presents the projected phased in cost of service rates for a sample of customers over the analysis period. For a complete rate schedule for hauled water customers for FY 2013/14 through FY 2017/18 please see Appendix C.

#### 4.1.5 Water Rate Revenue Adjustments

As discussed in the previously, in order to generate sufficient revenues to cover the water system’s projected costs, an increase in water rate revenues of 12.0 percent in FY 2013/14, 8.0 percent in FY 2014/15 and FY 2015/16, and 4.0 percent per year through FY 2022/23 are projected. Exhibit 4-8 presents the projected rates under the existing rate structure and proposed cost of service rate options.

## EXHIBIT 4-7

Phased in Cost of Service Water Rates  
City of Bethel Water and Sewer Rate Study

Sample Rates	Existing	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Hauled, 1000 Gallons/1x per week	\$196.69	\$209.53	\$216.92	\$224.58	\$232.50	\$241.80	\$251.47	\$261.53	\$272.00	\$282.87	\$294.19
2 Zone Hauled, 1000 Gallon/1x per week Zone 1	\$196.69	\$204.83	\$207.15	\$209.51	\$211.89	\$220.36	\$229.18	\$238.34	\$247.88	\$257.79	\$268.11
2 Zone Hauled, 1000 Gallon/1x per week Zone 2	\$196.69	\$217.73	\$234.49	\$252.53	\$271.97	\$282.85	\$294.16	\$305.93	\$318.17	\$330.89	\$344.13
Residential Flat Rate (\$/month)	\$125.08	\$149.47	\$178.61	\$213.43	\$255.04	\$265.24	\$275.85	\$286.88	\$298.36	\$310.29	\$322.70
Commercial Rate (\$/000 gallon)	\$26.50	\$29.95	\$33.84	\$38.24	\$43.21	\$44.94	\$46.73	\$48.60	\$50.55	\$52.57	\$54.67

EXHIBIT 4-8  
 Projected Water Rate Design Options  
 City of Bethel Water and Sewer Rate Study

Annual Projected Rate Increase	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
	12%	8%	8%	8%	4%	4%	4%	4%	4%	4%	4%
<b>Hauled Water, 1000 Gallons/ 1x per week</b>											
Existing	\$196.69	\$220.29	\$237.92	\$256.95	\$267.23	\$277.92	\$289.03	\$300.59	\$312.62	\$325.12	\$338.13
COS	\$166.31	\$186.27	\$201.17	\$217.26	\$225.95	\$234.99	\$244.39	\$254.17	\$264.34	\$274.91	\$285.91
<b>1 Zone Phased COS</b>											
Existing	\$196.69	\$209.53	\$216.92	\$224.58	\$232.50	\$241.80	\$251.47	\$261.53	\$272.00	\$282.87	\$294.19
COS	\$196.69	\$204.83	\$207.15	\$209.51	\$211.89	\$220.36	\$229.18	\$238.34	\$247.88	\$257.79	\$268.11
<b>Phased COS Zone 2</b>											
Existing	\$196.69	\$217.73	\$234.49	\$252.53	\$271.97	\$282.85	\$294.16	\$305.93	\$318.17	\$330.89	\$344.13
<b>Hauled Water, 500 gallons/ 1x per week</b>											
Existing	\$107.52	\$120.42	\$130.06	\$140.46	\$146.08	\$151.92	\$158.00	\$164.32	\$170.89	\$177.73	\$184.84
COS	\$114.38	\$128.11	\$138.36	\$149.43	\$155.40	\$161.62	\$168.08	\$174.81	\$181.80	\$189.07	\$196.63
<b>1 Zone Phased COS</b>											
Existing	\$110.95	\$121.12	\$132.80	\$145.61	\$159.65	\$166.04	\$172.68	\$179.59	\$186.77	\$194.24	\$202.01
COS	\$107.52	\$117.09	\$124.00	\$131.31	\$139.06	\$144.62	\$150.41	\$156.43	\$162.68	\$169.19	\$175.96
<b>2 Zone Phased COS</b>											
Existing	\$107.52	\$127.85	\$148.18	\$171.75	\$199.07	\$207.03	\$215.31	\$223.93	\$232.88	\$242.20	\$251.89
COS	\$125.08	\$140.09	\$151.30	\$163.40	\$169.94	\$176.73	\$183.80	\$191.16	\$198.80	\$206.75	\$215.02
<b>Riped Residential Monthly Flat Rate (\$/mo)</b>											
Existing	\$187.72	\$210.24	\$227.06	\$245.23	\$255.04	\$265.24	\$275.85	\$286.88	\$298.36	\$310.29	\$322.70
COS	\$125.08	\$149.47	\$178.61	\$213.43	\$255.04	\$265.24	\$275.85	\$286.88	\$298.36	\$310.29	\$322.70
<b>Riped Commercial Rate (\$/000 gallons)</b>											
Existing	\$26.50	\$29.68	\$32.05	\$34.62	\$36.00	\$37.44	\$38.94	\$40.50	\$42.12	\$43.80	\$45.56
COS	\$36.92	\$41.35	\$44.66	\$48.23	\$50.16	\$52.16	\$54.25	\$56.42	\$58.68	\$61.02	\$63.46
Phased COS	\$26.50	\$29.95	\$33.84	\$38.24	\$43.21	\$44.94	\$46.73	\$48.60	\$50.55	\$52.57	\$54.67

Note: The Phased In strategy includes different annual rate increases by customer class.

## 4.2 Sewer Rate Design

### 4.2.1 Existing Sewer Rate Schedule

Exhibit 4-9 presents the current hauled sewer rate structure. Like the water system, there is a separate schedule for extra calls outside the normal delivery schedule.

#### EXHIBIT 4-9

Current Hauled Sewer Rates, FY 2012/13

City of Bethel Water and Sewer Rate Study

Capacity	1 Time/Month	2 Times/Month	1 Time/Week	2 times/week	3 Times/Week	4 Times/Week	Extra Call/Delivery
100	\$10.70	\$21.40	\$42.79	\$85.57	\$128.35	\$171.13	
150	\$13.64	\$27.27	\$54.53	\$109.06	\$163.58	\$218.11	
200	\$14.64	\$29.28	\$58.56	\$117.11	\$175.67	\$234.22	\$65.95
250	\$15.64	\$31.27	\$62.54	\$125.08	\$187.62	\$250.16	\$67.20
300	\$16.65	\$33.29	\$66.57	\$133.14	\$199.71	\$266.28	\$68.45
350	\$17.65	\$35.30	\$70.60	\$141.20	\$211.79	\$282.39	\$69.70
400	\$18.66	\$37.32	\$74.63	\$149.25	\$223.88	\$298.50	\$70.95
450	\$19.67	\$39.33	\$78.66	\$157.31	\$235.96	\$314.61	\$72.20
500	\$20.67	\$41.34	\$82.68	\$165.36	\$248.04	\$330.72	\$73.45
550	\$21.67	\$43.34	\$86.67	\$173.34	\$260.00	\$346.67	\$74.68
600	\$22.68	\$45.35	\$90.70	\$181.39	\$272.09	\$362.78	\$75.94
650	\$23.69	\$47.37	\$94.73	\$189.45	\$284.17	\$378.89	\$77.19
700	\$24.69	\$49.38	\$98.75	\$197.50	\$296.25	\$395.00	\$78.43
750	\$25.70	\$51.39	\$102.78	\$205.56	\$308.34	\$411.12	\$79.68
800	\$26.70	\$53.39	\$106.77	\$213.53	\$320.29	\$427.06	\$80.93
850	\$27.70	\$55.40	\$110.80	\$221.59	\$332.38	\$443.17	\$82.17
900	\$28.71	\$57.41	\$114.82	\$229.64	\$344.46	\$459.28	\$83.42
1000	\$30.72	\$61.44	\$122.88	\$245.76	\$368.63	\$491.51	\$85.92
1200	\$34.74	\$69.48	\$138.95	\$277.89	\$416.84	\$555.78	\$90.91
1400	\$38.76	\$77.51	\$155.02	\$310.03	\$465.05	\$620.06	\$95.90
1500	\$40.77	\$81.54	\$163.08	\$326.15	\$489.22	\$652.29	\$98.40
1750	\$45.80	\$91.59	\$183.17	\$366.34	\$549.51	\$732.68	\$104.63
2000	\$50.82	\$101.64	\$203.27	\$406.54	\$609.80	\$813.07	\$110.88
2500	\$60.87	\$121.74	\$243.47	\$486.93	\$730.39	\$973.85	\$123.35
3000	\$70.92	\$141.83	\$283.66	\$567.32	\$850.97	\$1,134.63	\$135.83
3500	\$80.97	\$161.93	\$323.86	\$647.71	\$971.56	\$1,295.41	\$147.40
4000	\$101.64	\$203.27	\$406.54	\$813.07	\$1,219.60	\$1,626.13	\$220.85
5000	\$121.74	\$243.47	\$486.94	\$973.86	\$1,460.78	\$1,947.70	\$245.80

Residential customers connected to the piped sewer system pay a flat fee of \$33.92 per month. Commercial accounts pay a fee based on their metered water use of \$17.49 per 1,000 gallons. Piped sewer rates are presented in Exhibit 4-10.

EXHIBIT 4-10  
Current Piped Sewer Rates, FY2012/13  
City of Bethel Water and Sewer Rate Study

Rate	Residential	Commercial
Flat Rate Residential (\$/mo)	\$33.92	NA
Volume Charge (\$/000 gallons)	NA	\$17.49
Sewage Dump Fee (\$/000 gallons)	\$4.39	

#### 4.2.2 Cost of Service Sewer Rates

Exhibit 4-11 presents rates generated from the cost of service analysis. The cost of service rates are designed to recover system revenue requirements; however, the revenue responsibility may have shifted from one class to another based on the allocation of system costs and on user characteristics. The rates presented in the table are for FY 2013. Based on the future revenue requirements, additional rate increases will also be necessary.

EXHIBIT 4-11  
Cost of Service Sewer Rates, FY2013  
City of Bethel Water and Sewer Rate Study

Customer Class	Rate
Hauled Sewer, 1000 Gallons/1x per week	\$147.41
Hauled Sewer, 500 gallons/1x per week	\$108.27
Residential Piped, Flat Rate (\$/mo)	\$50.17
Commercial Rate (\$/1000 gal)	\$9.10

Based on the cost of service analysis, revenue recovery shifted primarily from piped commercial service to piped residential service. Exhibit 4-12 presents a comparison of cost of service rates to existing rates. Most hauled sewer customers would also see an increase in their monthly rate. Some hauled water customers with tanks sizes under 1000 gallons would experience a larger percentage increase over existing rates primarily because of the delivery costs. Commercial customers would experience a decrease in their volume charge. The resulting bill, based on an average monthly water use of 15,000 gallons per month, would decrease about 48 percent under COS rates when compared to existing rates.

EXHIBIT 4-12  
Monthly Bill Comparison  
City of Bethel Water and Sewer Rate Study

Customer Class	Existing	COS Rates	
		Sample Bill	% Change over Existing
Hauled Water, 1000 Gallons/1x per week	\$122.88	\$147.41	20%
Hauled Water, 500 gallons/1x per week	\$82.68	\$108.27	31%
Residential Piped, Flat Rate (\$/mo)	\$33.92	\$50.17	48%
Commercial Rate (\$/1000 gal)	\$262.35	\$136.49	-48%

Notes:

<sup>1</sup> Metered commercial bill based on monthly water use of 15,000 gallons

### 4.2.3 Phased-In COS Sewer Rates

This strategy would phase in rates that closer align with the cost of service analysis over several years. The phased-in approach would not lower existing rates for any customer class. It would also apply different levels of rate increase to different customer classes to phase-in cost of service rates. Some customers would experience larger percentage increases when compared to other customers to reflect the shift in cost recovery from one class to another.

For piped commercial customers, existing sewer rates are already above estimated COS rates. The Phased COS approach suggests not increasing the sewer rate over the next five years. Because sewer revenues for piped commercial will be generating revenues above COS levels, water rates for piped commercial under the Phased COS scenario were adjusted below the suggested COS rate. This approach will generate a combined water and sewer bill that by FY 2016/17 achieves estimated COS levels.

Exhibit 4-13 presents the projected phased in cost of service rates over the analysis period.

### 4.2.4 Sewer Rate Revenue Adjustments

To generate sufficient revenues to cover the water system's projected costs, an increase in sewer rate revenues of 3.0 percent per year from FY 2013/14 through FY 2016/17, and 4.0 percent per year from FY 2017/18 through FY 2022/23 are projected. Exhibit 4-14 presents the projected rates under the existing rate structure and proposed cost of service rate options.

## 4.3 Sample Combined Monthly Bills

Sample bills under current rates, cost of service rates, and phased-in cost of service rates for hauled, flat rate residential, and piped commercial are shown in Exhibits 4-15 through Exhibit 4-17. The sample bills reflect the changes in the design of the rates and include the first 5 years of proposed rate increases. The bills under existing rates represent customer bills under a uniform rate increase scenario. Under the cost of service option, bills for unmetered residential piped customers and metered commercial customers increase dramatically while a hauled customer with a 1,000 gallon tank that receives service once per week experiences a slight decrease. A customer in the proposed second zone of hauled service would experience a larger increase than under current rates as the rate reflects the higher cost to serve these customers. It should be noted that some hauled customers may not experience the same percentage changes to their bills as the customer type used in this example. Under the phased cost of service approach, cost of service rates would be phased in over time.

## EXHIBIT 4-13

Phased In Cost of Service Sewer Rates  
City of Bethel Water and Sewer Rate Study

Sample Rates	Existing	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Hauled, 1000 Gallon/1x per week	\$122.88	\$134.07	\$146.27	\$159.58	\$174.11	\$181.08	\$188.32	\$193.97	\$199.79	\$205.78	\$211.95
Residential Flat Rate (\$/month)	\$33.92	\$39.09	\$45.05	\$51.92	\$59.83	\$62.22	\$64.71	\$66.66	\$68.65	\$70.71	\$72.84
Commercial Rate (\$/000 gallon)	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49

EXHIBIT 4-14

Projected Sewer Rate Design Options  
City of Bethel Water and Sewer Rate Study

	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Annual Projected Rate Increase	5%	5%	5%	4%	4%	4%	4%	3%	3%	3%	3%
Hauled Sewer, 1000 Gallons/1x per week											
Existing	\$122.88	\$129.02	\$135.48	\$140.89	\$146.53	\$152.39	\$158.49	\$163.24	\$168.14	\$173.18	\$178.38
COS	\$147.41	\$154.78	\$162.52	\$169.02	\$175.79	\$182.82	\$190.13	\$195.83	\$201.71	\$207.76	\$213.99
Phased In COS	\$122.88	\$134.07	\$146.27	\$159.58	\$174.11	\$181.08	\$188.32	\$193.97	\$199.79	\$205.78	\$211.95
Hauled Sewer, 500 gallons/1x per week											
Existing	\$82.68	\$86.81	\$91.15	\$94.80	\$98.59	\$102.54	\$106.64	\$109.84	\$113.13	\$116.53	\$120.02
COS	\$108.27	\$113.69	\$119.37	\$124.14	\$129.11	\$134.27	\$139.65	\$143.83	\$148.15	\$152.59	\$157.17
Phased In COS	\$82.68	\$92.20	\$102.83	\$114.67	\$127.88	\$181.08	\$188.32	\$193.97	\$199.79	\$205.78	\$211.95
Piped Residential Monthly Flat Rate(\$/ mo)											
Existing	\$33.92	\$35.62	\$37.40	\$38.89	\$40.45	\$42.07	\$43.75	\$45.06	\$46.41	\$47.81	\$49.24
COS	\$50.17	\$52.68	\$55.32	\$57.53	\$59.83	\$62.22	\$64.71	\$66.66	\$68.65	\$70.71	\$72.84
Phased In COS	\$33.92	\$39.09	\$45.05	\$51.92	\$59.83	\$62.22	\$64.71	\$66.66	\$68.65	\$70.71	\$72.84
Piped Commercial Rate(\$/000 gallons)											
Existing	\$17.49	\$18.36	\$19.28	\$20.05	\$20.86	\$21.69	\$22.56	\$23.23	\$23.93	\$24.65	\$25.39
COS	\$9.10	\$9.55	\$10.03	\$10.43	\$10.85	\$11.28	\$11.74	\$12.09	\$12.45	\$12.82	\$13.21
Phased In COS	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49	\$17.49

Note: The Phased In strategy includes different annual rate increases by customer class.

EXHIBIT 4-15

Combined Monthly Water and Sewer Bill, Hauled Customer 1000 gallon/ 1x per week  
 City of Bethel Water and Sewer Rate Study

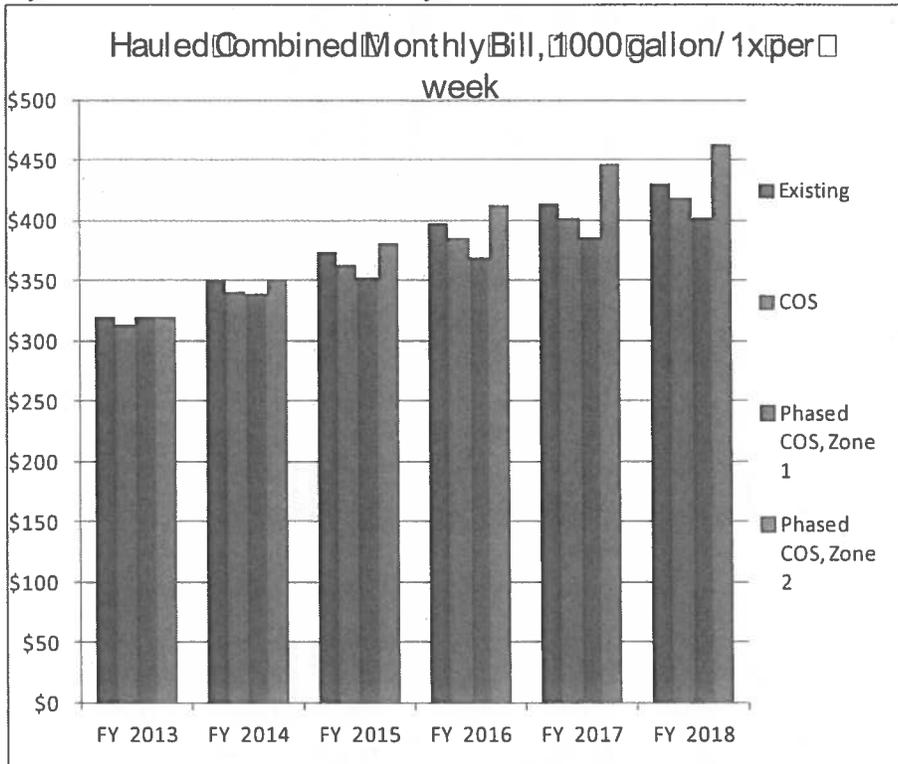


EXHIBIT 4-16

Combined Monthly Water and Sewer Bill, Flat Rate Piped Residential  
 City of Bethel Water and Sewer Rate Study

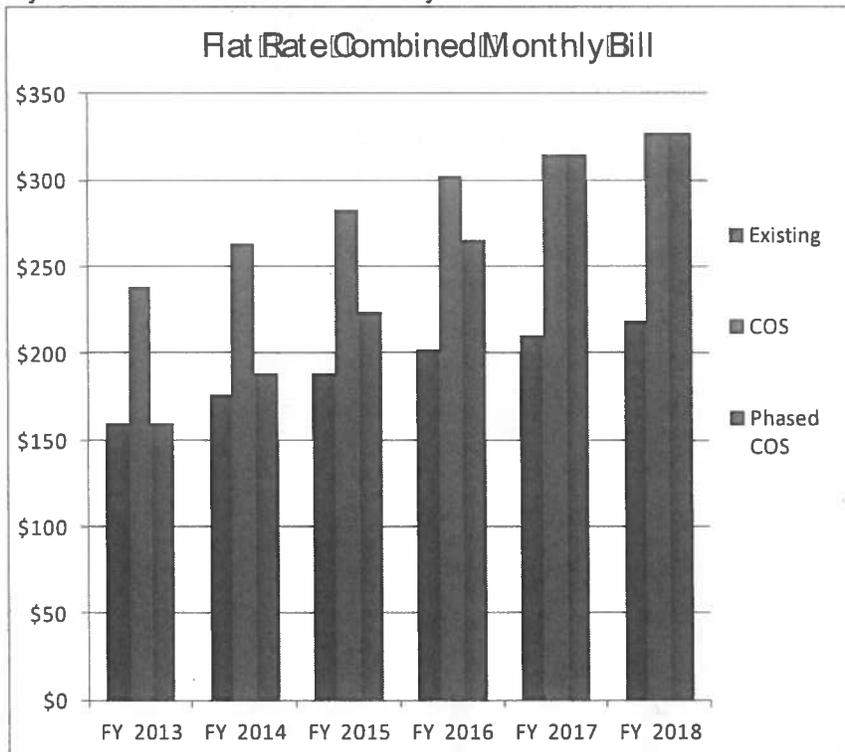
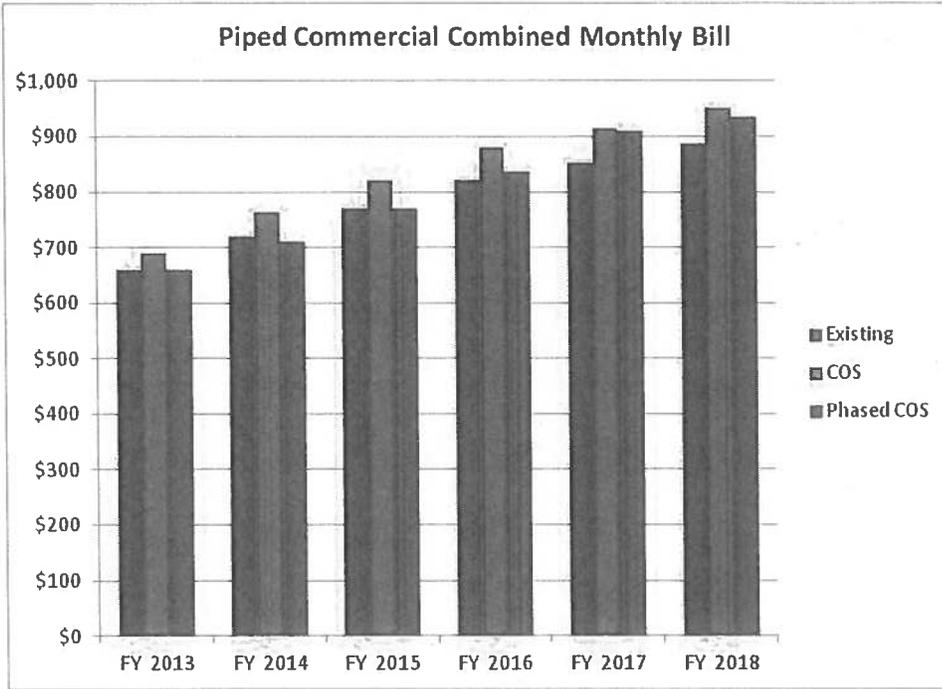


EXHIBIT 4-17  
 Combined Monthly Water and Sewer Bill, Piped Commercial  
 City of Bethel Water and Sewer Rate Study





## Allocation of Estimated System Replacement Costs

Historically, the City of Bethel has relied on grants from the USDA to pay for capital improvements to both its water and sewer system. This has included projects to replace existing infrastructure as well as install new system components. The City recognizes that future funding of capital projects will require some level of contributions from rate payers as the amount of available grant funding is becoming more difficult to obtain.

In 2012, the City established a Subscription Fee of \$5.00 per month per account to begin setting money aside for renewal and replacements. The fee is applied to both water and sewer accounts and is expected to generate approximately \$200,000 per year. In addition to the subscription fee, customers on the hauled water and sewer system have been contributing money towards fleet replacement through their rates. The annual amount contributed to fleet replacement has ranged from \$35,000 to \$75,000 per year. For budget year FY 2013, the contribution for both hauled water and sewer was \$35,000.

### 5.1.1 Estimated System Replacement Costs

This section will present a high level, order of magnitude cost estimate to replace the major system components of the water and sewer system and will estimate the associated annual depreciation expense. The annual depreciation expense is an estimate of the amount that the City would need to set aside annually if it wanted to fully fund the replacement of its existing facilities using this renewal and replacement account. It should be noted that there is no requirement that the City fully fund the replacement of its water and wastewater facilities using this account, but estimating this amount provides an upper limit for determining how much could be set aside for this purpose.

The estimated value of the system will be referred to as replacement cost new or RCN. It should be noted that these cost estimates were developed for the sole purpose of estimating the annual replacement cost new depreciation expense and should not be used for any other purpose beyond this report.

In order to estimate the RCN of the system, a number of sources and strategies were used. The sources included:

- City of Bethel 2005 Water and Sewer Master plan
- Recent contract awards
- 2010 Institutional Corridor Feasibility Study
- Water/Sewer Utility Asset Report
- Discussion with City staff

These sources provided information such as linear feet of water and sewer pipe, replacement cost for certain assets, and estimated design life. However, cost estimates and quantities for some system items were not available. The estimated RCN for the major components of the water and sewer system are presented in Exhibit 5-1. The estimated RCN, which includes a 15 percent contingency and a 25 percent allowance for administration and engineering, is approximately \$121 million.

To estimate annual depreciation expenses, the following design life for major system components was assumed:

- Water/Sewer HDPE Pipe: 50 years
- Lift Stations: 25 years
- Treatment Plant: 30 years
- Lagoon: 25 years
- Well: 30 years
- Storage tank: 40 years
- Water/Sewer Trucks and Service Trucks: 8 years

The annual depreciation expense to replace the system assets presented in Exhibit 5-1 is \$4.3 million.



EXHIBIT 5-1  
Estimated System Replacement Cost and Annual Depreciation Expense  
City of Bethel Water and Sewer Rate Study

Description	Quantity	Unit	Unit Cost	Total	Design Life	Annual Dep	Allocation				Water Depreciation				Sewer Depreciation			
							Water	Sewer	Riped	Hauled	Water	Riped	Hauled	Water	Riped	Hauled	Water	Riped
FAA LS to QFC2 LS	5,000	l.f.	\$200	\$1,000,000	50	\$20,000	0%	100%	85%	15%	\$0	\$0	\$0	\$17,000	\$3,000			
QFC2 LS to City Sub WTP	10,000	l.f.	\$300	\$3,000,000	50	\$60,000	0%	100%	85%	15%	\$0	\$0	\$0	\$51,000	\$9,000			
City Sub WTP to Lagoon	10,000	l.f.	\$300	\$3,000,000	50	\$60,000	0%	100%	85%	15%	\$0	\$0	\$0	\$51,000	\$9,000			
Service Lift Stations																		
Residential	176	ea	\$20,000	\$3,520,000	25	\$140,800	0%	100%	100%	0%	\$0	\$0	\$0	\$140,800	\$0			
Commercial	10	ea	\$50,000	\$500,000	25	\$20,000	0%	100%	100%	0%	\$0	\$0	\$0	\$20,000	\$0			
Lift Stations																		
Main (2004)	1	each	\$2,300,000	\$2,300,000	25	\$92,000	0%	100%	85%	15%	\$0	\$0	\$0	\$78,200	\$13,800			
QFC No. 2 (2011)	1	each	\$3,000,000	\$3,000,000	25	\$120,000	0%	100%	85%	15%	\$0	\$0	\$0	\$102,000	\$18,000			
Kilbuck (1979)	1	each	\$1,200,000	\$1,200,000	25	\$48,000	0%	100%	100%	0%	\$0	\$0	\$0	\$48,000	\$0			
FAA (1998)	1	each	\$1,200,000	\$1,200,000	25	\$48,000	0%	100%	100%	0%	\$0	\$0	\$0	\$48,000	\$0			
ASHA/Bethel Heights	1	each	\$1,200,000	\$1,200,000	25	\$48,000	0%	100%	100%	0%	\$0	\$0	\$0	\$48,000	\$0			
AVCP #1 and #2	2	each	\$750,000	\$1,500,000	25	\$60,000	0%	100%	100%	0%	\$0	\$0	\$0	\$60,000	\$0			
Public Works City Shop (50% share)	1	each	\$8,000,000	\$8,000,000	40	\$200,000	50%	50%	30%	70%	\$30,000	\$70,000	\$30,000	\$30,000	\$70,000			
Water Treatment Plants																		
Bethel Heights	1	each	\$7,000,000	\$7,000,000	30	\$233,333	100%	0%	60%	40%	\$140,000	\$93,333	\$0	\$0	\$0			
Well	2	each	\$400,000	\$800,000	30	\$26,667	100%	0%	60%	40%	\$16,000	\$10,667	\$0	\$0	\$0			
Water Storage Tank	428,000	gallon	\$2	\$856,000	40	\$21,400	100%	0%	60%	40%	\$12,840	\$8,560	\$0	\$0	\$0			
City Subdivision (2000)	1	each	\$7,000,000	\$7,000,000	30	\$233,333	100%	0%	60%	40%	\$140,000	\$93,333	\$0	\$0	\$0			
Well	1	each	\$400,000	\$400,000	30	\$13,333	100%	0%	60%	40%	\$8,000	\$5,333	\$0	\$0	\$0			
Water Storage Tank	505,000	gallon	\$2	\$1,010,000	40	\$25,250	100%	0%	60%	40%	\$15,150	\$10,100	\$0	\$0	\$0			

SECTION 5 ALLOCATION OF ESTIMATED SYSTEM REPLACEMENT COSTS

EXHIBIT 5-1  
 Estimated System Replacement Cost and Annual Depreciation Expense  
 City of Bethel Water and Sewer Rate Study

Description	Quantity	Unit	Unit Cost	Total	Design Life	Annual Dep	Allocation				Water Depreciation				Sewer Depreciation			
							Water	Sewer	Piped	Hauled	Water	Sewer	Piped	Hauled	Water	Sewer	Piped	Hauled
Wastewater Treatment																		
Lagoon	1	each	\$12,000,000	\$12,000,000	25	\$480,000	0%	100%	70%	30%	\$0	\$0	\$336,000	\$144,000				
Trucks																		
Hauled Water	9	each	\$250,000	\$2,250,000	8	\$281,250	100%	0%	0%	100%	\$0	\$281,250	\$0	\$0				
Hauled Sewer	7	each	\$300,000	\$2,100,000	8	\$262,500	0%	100%	0%	100%	\$0	\$0	\$0	\$262,500				
Service Trucks	16	each	\$30,000	\$480,000	8	\$60,000	50%	50%	100%	0%	\$30,000	\$0	\$30,000	\$0				
Subtotal				\$83,990,000		\$2,970,000					\$630,000	\$570,000	\$1,240,000	\$530,000				
Contingency	0.15			\$12,600,000		\$450,000					\$90,000	\$90,000	\$190,000	\$80,000				
Engineering/Admin	0.25			\$24,150,000		\$860,000					\$180,000	\$170,000	\$360,000	\$150,000				
Total				\$120,740,000		\$4,280,000					\$900,000	\$830,000	\$1,790,000	\$760,000				

Annual depreciation expenses were allocated to customer classes based on their respective share of system use. Estimated depreciation expenses were allocated to the following customer types: hauled water, piped water, hauled sewer, and piped sewer. The process to allocate estimated depreciation expenses followed the same process to allocate system operating expenses described in Section 3. The allocation percentages used to distribute depreciation expenses to different customer classes are presented in Exhibit 5-2.

Exhibit 5-2 presents the allocation of annual depreciation expenses to the different customer classes. Hauled water, piped water, and hauled sewer were each allocated approximately 20 percent of total depreciation expenses. Piped sewer received the largest allocation of approximately 40 percent. The reason piped sewer has a larger relative share of depreciation expenses is because of limited asset sharing with the hauled sewer system and shorter life of assets (i.e. lagoon and lift stations).

EXHIBIT 5-2  
Allocation of Estimated Annual Depreciation Expense  
City of Bethel Water and Sewer Rate Study

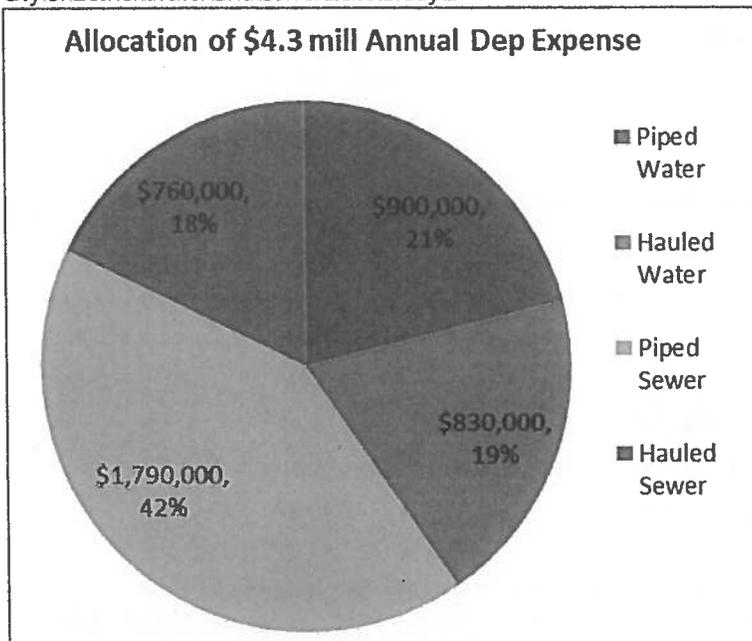


Exhibit 5-3 presents the estimated annual depreciation expense for each customer class per 1,000 gallons of water or sewer flow produced.

EXHIBIT 5-3  
Annual Depreciation Expense per 1,000 gallons of Production  
City of Bethel Water and Sewer Rate Study

	Piped Water	Hauled Water	Piped Sewer	Hauled Sewer
Annual System Depreciation	\$900,000	\$830,000	\$1,790,000	\$760,000
Water or WW Flow Produced (gallons)	46,263,490	31,057,646	63,941,924	27,951,881
Depreciation Cost/000 gallons	\$19.45	\$26.72	\$27.99	\$27.19

### 5.1.2 Estimated Rate Impact

If the City makes the decision to increase annual contributions to a renewal and replacement fund, the contributions will impact customer's rates. The City has the option to collect renewal and replacement funds through the monthly subscription fee or through rates. If the City were to recover the full \$4.3 million in annual

replacement cost new depreciation expense through its current monthly charge per customer, the monthly fee would increase from \$5 per account to \$116 per account.

Alternatively, instead of funding this account through a charge per customer, the City could incorporate this charge into the water and sewer volume rates. Based on their use of the system components, this would result in volume rates for the system customers that would vary by customer class. The charges per thousand gallons would range from \$11.75 per thousand gallons for hauled sewer, to \$27.55 per thousand gallons for piped sewer.

For this analysis, it was assumed the funds would be included as part of water and sewer rates.

Exhibit 5-4 presents the depreciation cost per thousand gallons of billable units assuming the City funds the depreciation expense associated with full system replacement. In order to account for current contributions to capital and fleet and replacements, estimated subscription fee and fleet replacement revenues were subtracted from the estimated annual depreciation expense. It should be noted that billing units may differ from units of production. For example, hauled water and sewer customers are billed based on the capacity of the tank not on actual quantity of water used or sewage pumped. Therefore the billing units for the hauled system are higher than the production units, resulting in a lower charge per unit.

EXHIBIT 5-4  
Depreciation Cost per 1,000 gallons of Billable Units  
City of Bethel Water and Sewer Rate Study

	Piped Water	Hauled Water	Piped Sewer	Hauled Sewer
Annual System Depreciation	\$900,000	\$830,000	\$1,790,000	\$760,000
Less Current Contributions:				
Subscription Fees	\$26,100	\$62,220	\$28,440	\$67,500
Fleet Replacement	\$0	\$35,000	\$0	\$35,000
Subtotal	\$873,900	\$732,780	\$1,761,560	\$657,500
Billing Units (gallons)	32,409,741	45,646,250	63,941,924	55,946,850
Depreciation Cost/000 gallons	\$26.96	\$16.05	\$27.55	\$11.75

To estimate the impact on customer's bills, the depreciation cost per thousand gallon rate is applied to the customer's estimated usage. For example, an unmetered piped residential customer that uses an estimated 5,000 gallons of water per month would pay an additional \$135 per month for water ( $\$26.96 \times 5000 / 1000 = \$134.82$ ) and \$138 per month for sewer ( $\$27.55 \times 5000 / 1000 = \$137.75$ ). A customer on the hauled system that has a 1,000 gallon tank and receives service one time per week would pay approximately \$64 for water service ( $\$16.05 \times 4000 / 1000 = \$64.20$ ) and \$47 for sewer service ( $\$11.75 \times 4000 / 1000 = \$47$ ) per month for hauled service. These estimated monthly charges would be in addition to the rates presented in the previous section.

Fully funding the annual depreciation amount associated with the estimated replacement cost of the water and sewer system would have significant impacts on the existing customers in the form of much higher rates. The City could also consider establishing a renewal and replacement fund equal to the estimated replacement value of a critical system component or a reserve amount suggested by a funding agency. It may take the City multiple years to meet the targeted goal.

The City could use the allocation percentages presented in Exhibit 5-5 to distribute the targeted funds reserved for renewal and replacements among the customer classes. Exhibit 5-5 presents the estimated depreciation cost per 1000 gallons if the City set a target of \$500,000 per year for renewal and replacement and recovered that amount through rates.

## EXHIBIT 5-5

Depreciation Cost per 1,000 gallons of Billable Units: \$500,000 annual target

City of Bethel Water and Sewer Rate Study

	Piped Water	Hauled Water	Piped Sewer	Hauled Sewer
Annual System Depreciation	\$106,000	\$96,000	\$209,000	\$89,000
Billing Units (gallons)	32,409,741	45,646,250	63,941,924	55,946,850
Dep Cost/000 gallons	\$3.27	\$2.10	\$3.27	\$1.59

Under this scenario, an unmetered piped residential customer that uses an estimated 5,000 gallons of water per month would pay approximately \$16 each per month for water and sewer ( $\$3.27 \times 5000 / 1000 = \$16.35$  each). A customer on the hauled system that has a 1,000 gallon tank and receives service one time per week would pay an additional \$8.41 for water service ( $\$2.10 \times 4000 / 1000 = \$8.41$ ) and \$6.36 for sewer service ( $\$1.59 \times 4000 / 1000 = \$6.36$ ) per month for hauled service. These estimated monthly charges would be in addition to the rates presented in the previous section.

The inclusion of additional renewal and replacement funding in the water and sewer rate at the same time as trying to make the utility self sufficient from an operating perspective will have a substantial effect on rate payers.



## Recommendations

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Based on the study findings summarized in previous sections, the following recommendations are presented for the City's consideration:

1. Implement phased cost of service sewer rates in the current fiscal year (FY2013/14). The proposed cost of service rate schedule is presented in Exhibit 3-10 for water and Exhibit 3-18 for sewer. A full rate schedule can be found in Appendix X.
2. Implement a two zone rate structure for the hauled water system.
3. Pumphouse water should be \$0.03 per gallon and increased annually by 12 percent in FY 2013/14, 8 percent in FY 2014/15 and FY 2015/16, and 4 percent in FY 2015/16 through FY 2017/18.
4. Select a reserve and replacement fund balance target and implement necessary water and sewer rate increases to achieve the target over a period of five to seven years.
5. Implement a data collection process to track data commonly used in financial and engineering studies. This would include developing a consistent tracking system for water production and demand at the water treatment plants that is tracked in both manual and electronic forms. It is also suggested that customer data such as number of accounts, usage, and meter size (commercial only) be summarized and tracked on an annual basis. Finally, conducting periodic studies of the hauled system that compares delivery times between delivery areas and tracks different functions (i.e. pumping, delivery) of the system would be beneficial.
6. Increase rates as needed in future years to meet the financial needs of the systems. The projected rate increases presented herein are based on the best available data and assumptions developed by the City and CH2M HILL as of March 2013. The City should review the financial plan annually and adjust the rates as needed to reflect current conditions and assumptions.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations. The second part of the document provides a detailed breakdown of the company's financial performance over the past year. It includes a comparison of actual results against budgeted figures, highlighting areas of both strength and weakness. The final section outlines the company's strategic goals for the upcoming year, focusing on cost reduction and revenue growth. It also mentions the implementation of new software systems to streamline operations and improve efficiency.

## Appendices

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APPENDIX A

# Cash Flow, Scenario 2

EXHIBIT A-1  
 Projected Cash Flows, FY2012/13 through FY2022/23, Scenario 2  
 City of Bethel Water and Sewer Rate Study

Description	Budget 2013	Projected 2014	Projected 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023
Beginning Balance	0	3,953	98,096	171,714	316,591	484,477	671,214	871,565	1,045,406	1,181,140	1,265,294
Trucked Sewer	1,497,500	1,588,099	1,684,179	1,769,061	1,858,222	1,951,876	2,050,251	2,132,876	2,218,831	2,308,250	2,401,272
Metered Piped Sewer (Comm)	766,500	812,873	862,052	905,500	951,137	999,074	1,049,427	1,091,719	1,135,716	1,181,485	1,229,099
Unmetered Piped Sewer (Res)	169,800	180,073	190,967	200,592	210,702	221,321	232,476	241,845	251,591	261,730	272,278
Contract Sewer & Lagoon Dump	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500
Sewer Xcalls Tied to Overtime	0	0	0	0	0	0	0	0	0	0	0
Trucked Water	2,225,000	2,516,920	2,745,456	2,994,744	3,145,679	3,304,221	3,470,754	3,645,680	3,829,422	4,022,425	4,225,155
Metered Piped Water - Commercial	260,000	294,112	320,817	349,948	367,585	386,111	405,571	426,012	447,483	470,036	493,726
Unmetered Piped Water - Residential	590,000	667,408	728,009	794,112	834,135	876,175	920,335	966,720	1,015,442	1,066,621	1,120,378
Contract Water	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500
Pumphouse Water	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Other Revenues	146,835	147,246	148,297	149,769	152,667	156,025	159,759	163,766	167,243	169,958	171,641
Transfers from General Fund	485,000	300,000	100,000	0	0	0	0	0	0	0	0
<b>Total Sources of Funds</b>	<b>6,172,635</b>	<b>6,542,684</b>	<b>6,909,873</b>	<b>7,367,439</b>	<b>7,868,717</b>	<b>8,411,281</b>	<b>8,991,788</b>	<b>9,572,183</b>	<b>10,143,134</b>	<b>10,693,644</b>	<b>11,210,843</b>
Hauled Water (51-81)	1,605,284	1,672,944	1,744,834	1,821,308	1,902,750	1,989,581	2,082,264	2,181,303	2,287,252	2,400,718	2,522,365
Piped Water (51-82)	399,819	414,697	430,372	446,903	464,357	482,803	502,318	522,988	544,903	568,164	592,881
Bethel Heights Treatment (51-83)	737,107	778,309	822,485	869,886	920,785	975,481	1,034,299	1,097,593	1,165,753	1,239,203	1,318,406

EXHIBIT A-1

Projected Cash Flows, (FY2012/13 through FY2022/23, Scenario 2  
City of Bethel Water and Sewer Rate Study

Description	Budget 2013	Projected 2014	Projected 2015	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023
City Sub Water Treatment (51-84)	738,478	778,167	820,574	865,917	914,435	966,385	1,022,049	1,081,733	1,145,770	1,214,526	1,288,395
Hauled Sewer (51-85)	1,681,330	1,747,571	1,817,670	1,891,934	1,970,701	2,054,340	2,143,254	2,237,884	2,338,712	2,446,267	2,561,128
Piped Sewer (51-86)	611,072	642,034	675,228	710,849	749,112	790,254	834,531	882,228	933,653	989,147	1,049,083
Sewer Lagoon (51-87)	138,829	144,830	151,224	158,045	165,330	173,120	181,460	190,397	199,987	210,287	221,362
Utility Billing (51-80)	186,763	193,587	200,786	208,390	216,431	224,945	233,970	243,548	253,726	264,555	276,089
Fleet Replacement Fund	70,000	72,450	74,988	77,616	80,338	83,157	86,078	89,103	92,237	95,483	98,846
Debt Service	0	0	0	0	0	0	0	0	0	0	0
Available Ending Fund Balance	3,953	98,096	171,714	-239,424	-98,055	60,368	230,455	371,916	472,973	519,953	497,060
Operating Contingency	0	0	0	556,014	582,532	610,846	641,110	673,490	708,167	745,341	785,229
<b>Total Uses of Funds</b>	<b>6,172,635</b>	<b>6,542,684</b>	<b>6,909,873</b>	<b>7,367,439</b>	<b>7,868,717</b>	<b>8,411,281</b>	<b>8,991,788</b>	<b>9,572,183</b>	<b>10,143,134</b>	<b>10,693,644</b>	<b>11,210,843</b>

APPENDIX B

Data

EXHIBIT B-1  
Total Number of Hauled Water Customers

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week
100	0	0	0	0	0	0
150	0	0	0	0	0	0
200	1	0	2	0	0	0
250	0	1	1	0	0	0
300	10	49	39	11	0	0
350	2	6	9	0	0	0
400	2	11	11	2	1	0
450	2	5	13	0	1	0
500	16	57	82	24	1	0
550	1	3	9	2	0	1
600	5	29	39	7	0	0
650	1	7	8	0	0	0
700	1	6	7	1	0	0
750	9	43	31	3	0	0
800	2	17	21	7	1	0
850	0	4	8	0	0	0
900	4	20	21	4	0	0
1000	18	123	192	36	4	0
1200	0	16	8	1	0	0
1400	2	4	1	1	0	0
1500	5	19	17	6	1	0
1750	0	1	0	0	0	0
2000	0	2	6	4	2	0
2500	0	3	4	3	2	0
3000	0	0	0	2	1	0
3500	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	0	0	1	0
6000	0	0	0	0	0	0
7000	0	0	0	0	0	0
12000	0	0	0	0	0	0

EXHIBIT B-2

Number of Hauled Water Customers, Zone 2: Kaysauli, Larsen, Tundra Ridge and Airport

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week
100	0	0	0	0	0	0
150	0	0	0	0	0	0
200	0	0	1	0	0	0
250	0	0	0	0	0	0
300	0	0	6	2	0	0
350	0	1	2	0	0	0
400	0	0	3	0	1	0
450	0	2	1	0	0	0
500	8	11	30	8	0	0
550	0	2	4	0	0	0
600	3	10	10	4	0	0
650	0	2	3	0	0	0
700	1	1	4	2	0	0
750	0	11	10	2	0	0
800	1	6	6	3	0	0
850	0	2	2	0	0	0
900	2	9	14	2	0	0
1000	6	49	108	16	1	0
1200	0	11	5	1	0	0
1400	0	2	1	0	0	0
1500	0	7	3	2	0	0
1750	0	0	0	0	0	0
2000	0	0	0	1	0	0
2500	0	0	3	0	1	0
3000	0	0	0	0	1	0
3500	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	0	0	1	0
6000	0	0	0	0	0	0
7000	0	0	0	0	0	0
12000	0	0	0	0	0	0

## EXHIBIT B-3

## Number of Hauled Sewer Customers

Capacity	1 time/ month	2 times/ month	1 times per week	2 times/ week	3 times/ week	4 times/ week
100	0	0	0	0	0	0
150	0	0	0	0	0	0
200	0	0	0	0	0	0
250	0	0	0	0	0	0
300	0	0	1	0	0	0
350	0	1	0	0	0	0
400	0	0	0	0	0	0
450	0	0	0	0	0	0
500	10	31	26	7	0	0
550	0	1	2	0	0	0
600	2	13	12	2	0	0
650	2	2	3	0	0	0
700	4	15	19	3	0	0
750	9	41	50	13	1	0
800	7	12	12	4	1	0
850	0	13	4	0	0	0
900	0	3	4	0	0	0
1000	18	111	127	17	2	1
1200	12	53	61	18	0	0
1400	2	24	16	4	0	0
1500	10	55	112	22	1	0
1750	3	11	16	2	0	0
2000	4	22	16	11	3	0
2500	2	5	6	2	2	0
3000	1	5	7	2	1	0
3500	0	0	1	1	2	0
4000	0	0	0	0	1	0
5000	0	0	2	0	1	0
6000	0	0	0	0	0	0
7000	0	0	0	0	0	0
12000	0	1	0	0	0	0

## EXHIBIT B-4

## Water Treatment Plant Production, (City: Subdivision: WTP)

FY2011

Month	Influent	Effluent	Truck			Piped Demand
			A	B	Total	
Jul-10	3,905,893	3,681,356	1,072,000	1,037,000	2,109,000	949,600
Aug-10	3,979,898	3,722,941	0	2,140,000	2,140,000	890,100
Sep-10	3,788,113	3,363,098	0	2,053,000	2,053,000	883,600
Oct-10	4,095,530	3,677,085	0	2,081,000	2,081,000	979,400
Nov-10	3,780,642	3,499,396	0	2,041,000	2,041,000	890,000
Dec-10	4,118,010	3,697,268	0	2,030,000	2,030,000	1,121,500
Jan-11	4,341,845	3,724,036	0	2,008,000	2,008,000	1,101,400
Feb-11	3,843,741	3,451,021	0	1,798,000	1,798,000	1,039,200
Mar-11	3,581,064	3,514,619	0	1,830,000	1,830,000	1,060,600
Apr-11	3,758,053	3,390,030	0	1,788,000	1,788,000	1,065,000
May-11	4,110,813	3,416,129	0	1,935,000	1,935,000	900,100
Jun-11	4,177,227	3,492,676	0	2,000,000	2,000,000	867,400
<b>Total</b>	<b>47,480,829</b>	<b>42,629,655</b>	<b>1,072,000</b>	<b>22,741,000</b>	<b>23,813,000</b>	<b>11,747,900</b>
Ratio of Inf/Eff for full month:			35,423,548	31,804,281	1.11	

FY2012

Month	Influent	Effluent	Truck			Piped Demand
			A	B	Total	
Jul-11	4,390,638	3,676,839	0	2,147,000	2,147,000	842,000
Aug-11	4,342,065	3,658,540	0	2,268,000	2,268,000	754,700
Sep-11	3,900,700	3,289,066	0	1,903,000	1,903,000	760,800
Oct-11	4,130,278	3,467,331	0	1,939,000	1,939,000	855,400
Nov-11	4,730,865	3,984,389	0	1,974,000	1,974,000	1,336,900
Dec-11	4,266,445	3,578,466	0	2,094,000	2,094,000	891,800
Jan-12	4,600,465	3,905,204	0	2,160,000	2,160,000	1,129,000
Feb-12	3,921,103	3,328,513	0	1,848,000	1,848,000	919,000
Mar-12	4,077,997	3,546,580	0	1,941,000	1,941,000	987,500
Apr-12	3,669,283	3,110,559	0	1,727,000	1,727,000	833,700
May-12	4,057,604	3,534,008	0	2,053,000	2,053,000	830,500
Jun-12	3,753,000	3,197,135	0	1,812,000	1,812,000	827,400
<b>Total</b>	<b>49,840,443</b>	<b>42,276,630</b>	<b>0</b>	<b>23,866,000</b>	<b>23,866,000</b>	<b>10,968,700</b>
Ratio of Inf/Eff for full month:			36,588,010	31,058,524	1.18	

## Notes:

1. Leak caused piped demand in Nov 2011 to be higher than normal
2. Missed some records for INF for following: Oct 2011, Dec 2011, Feb 2011, Nov 2011, Jan 2012, Feb 2012; prorated influent by ratio of influent to effluent for months with full data set

EXHIBIT B-5  
 Water Treatment Plant Production, Bethel Heights WTP FY2011  
 FY2011

Month	Effluent	Demand	Truck Gallons		
			FF	BF	Total
Jul-10	2,689,182	2,676,333	270,625	33,750	634,375
Aug-10	2,685,076	2,806,171	894,040	274,557	1,168,597
Sep-10	2,588,224	2,798,885	539,700	245,600	785,300
Oct-10	2,841,558	3,033,298	161,700	251,200	412,900
Nov-10	2,430,632	2,574,237	26,100	204,200	330,300
Dec-10	3,006,608	3,189,372	91,000	320,600	411,600
Jan-11	2,748,244	3,137,593	145,100	169,600	314,700
Feb-11	2,638,697	2,783,718	218,600	161,600	380,200
Mar-11	3,049,282	2,991,533	389,300	234,500	623,800
Apr-11	2,924,108	2,757,002	341,600	295,300	636,900
May-11	3,010,857	3,604,260	318,600	270,400	589,000
Jun-11	4,189,564	2,552,788	568,600	229,900	798,500
<b>Total</b>	<b>34,802,032</b>	<b>34,905,190</b>	<b>4,064,965</b>	<b>3,021,207</b>	<b>7,086,172</b>

EXHIBIT B-6  
 Bethel Heights Treatment Plant, FY2012 Truck Usage

Month	Truck Filling Meter Reads			Truck Usage			Gallons
	FF	BF	Total	FF	BF	Total	
July 1 2011	7.9199	14.4181	22.338				
Oct 1 2011	9.8403	15.2791	25.1194	1.9204	0.861	2.7814	2,781,400
Nov 1 2011	10.1799	15.5818	25.7617	0.3396	0.3027	0.6423	642,300
Dec 1 2011	10.3528	15.8185	26.1713	0.1729	0.2367	0.4096	409,600
Jan 1 2011	10.6027	15.9804	26.5831	0.2499	0.1619	0.4118	411,800
Feb 1 2012	10.7271	16.084	26.8111	0.1244	0.1036	0.228	228,000
Mar 1 2012	10.9153	16.3537	27.269	0.1882	0.2697	0.4579	457,900
Apr 1 2012	11.1212	16.6687	27.7899	0.2059	0.315	0.5209	520,900
May 1 2012	11.2846	17.1785	28.4631	0.1634	0.5098	0.6732	673,200
<b>Total</b>							<b>6,125,100</b>
<b>Average for 10 months</b>							<b>612,510</b>
<b>Estimated Usage for 12 months</b>							<b>7,350,120</b>



# Water Rate Schedules

## Across the Board Increases Monthly Rate Schedules FY2014-18

### Across the Board Increases, Hauled Water FY2014

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$13.25	\$31.25	\$45.10	\$72.64	\$83.70	\$115.05	
150	\$15.40	\$31.40	\$64.08	\$130.66	\$199.70	\$271.32	
200	\$17.80	\$36.42	\$74.47	\$152.19	\$233.16	\$317.34	\$80.00
250	\$20.05	\$41.07	\$84.09	\$172.11	\$264.06	\$359.93	\$82.94
300	\$22.11	\$45.34	\$92.93	\$190.42	\$292.44	\$399.53	\$85.87
350	\$23.97	\$49.21	\$100.99	\$207.09	\$318.35	\$434.74	\$88.79
400	\$25.66	\$52.72	\$108.26	\$222.15	\$341.73	\$466.94	\$91.73
450	\$27.16	\$55.85	\$114.71	\$235.60	\$362.60	\$495.72	\$94.65
500	\$28.46	\$58.55	\$120.42	\$247.42	\$380.96	\$521.05	\$97.59
550	\$31.83	\$65.55	\$134.89	\$277.32	\$427.34	\$584.88	\$100.52
600	\$32.91	\$67.70	\$139.27	\$286.26	\$440.98	\$603.40	\$103.45
650	\$37.26	\$76.80	\$158.20	\$325.56	\$502.14	\$687.88	\$106.38
700	\$38.48	\$79.28	\$163.28	\$335.92	\$455.37	\$709.41	\$109.30
750	\$39.74	\$81.85	\$168.53	\$346.62	\$534.33	\$731.60	\$112.24
800	\$45.71	\$94.40	\$194.64	\$401.02	\$619.12	\$839.22	\$115.17
850	\$47.20	\$97.43	\$200.80	\$413.60	\$638.39	\$875.16	\$118.10
900	\$48.72	\$100.53	\$207.13	\$426.52	\$658.15	\$902.00	\$121.04
1000	\$51.88	\$106.97	\$220.29	\$453.33	\$699.13	\$957.64	\$126.88
1200	\$62.10	\$128.28	\$264.64	\$545.48	\$841.59	\$1,137.42	\$138.62
1400	\$72.33	\$149.59	\$309.00	\$637.65	\$984.07	\$1,317.18	\$150.34
1500	\$87.94	\$175.88	\$351.77	\$703.53	\$1,055.30	\$1,407.06	\$156.20
1750	\$100.62	\$201.23	\$402.47	\$804.93	\$1,207.39	\$1,609.85	\$170.84
2000	\$113.30	\$226.59	\$453.17	\$906.34	\$1,359.50	\$1,812.65	\$185.51
2500	\$138.64	\$277.29	\$554.57	\$1,109.14	\$1,663.70	\$2,218.26	\$236.19
3000	\$163.99	\$327.99	\$655.97	\$1,311.95	\$1,967.91	\$2,623.87	\$244.13
3500	\$189.35	\$378.68	\$757.38	\$1,514.74	\$2,272.12	\$3,029.48	\$273.43
4000	\$217.81	\$437.24	\$877.80	\$1,762.16	\$2,653.08	\$3,550.52	\$371.01
5000	\$302.65	\$605.27	\$1,210.55	\$2,421.08	\$3,631.62	\$4,842.13	\$458.93
6000	\$318.43	\$638.47	\$1,280.27	\$2,567.10	\$3,860.47	\$5,160.38	\$541.86
7000	\$378.69	\$757.37	\$1,514.76	\$3,029.49	\$4,544.24	\$6,058.95	\$546.85

Across the Board Increases Monthly Rates, □  
 Hauled Water FY2015 □

Capacity □	1 □ time/ month □	2 □ times/ month □	1 □ time/ week □	2 □ times/ week □	3 □ times/ week □	4 □ times/ week □	Extra □ Haul □
100	\$14.31	\$33.75	\$48.71	\$78.45	\$90.39	\$124.25	
150	\$16.63	\$33.92	\$69.20	\$141.11	\$215.67	\$293.03	
200	\$19.22	\$39.34	\$80.43	\$164.36	\$251.81	\$342.73	\$86.40
250	\$21.65	\$44.36	\$90.82	\$185.88	\$285.19	\$388.73	\$89.57
300	\$23.88	\$48.96	\$100.36	\$205.66	\$315.84	\$431.49	\$92.74
350	\$25.89	\$53.15	\$109.07	\$223.66	\$343.82	\$469.52	\$95.90
400	\$27.71	\$56.94	\$116.92	\$239.92	\$369.07	\$504.29	\$99.07
450	\$29.33	\$60.32	\$123.89	\$254.45	\$391.61	\$535.38	\$102.22
500	\$30.74	\$63.24	\$130.06	\$267.21	\$411.43	\$562.73	\$105.39
550	\$34.38	\$70.80	\$145.68	\$299.51	\$461.52	\$631.67	\$108.56
600	\$35.54	\$73.12	\$150.41	\$309.16	\$476.26	\$651.67	\$111.73
650	\$40.24	\$82.94	\$170.86	\$351.61	\$542.31	\$742.91	\$114.89
700	\$41.56	\$85.63	\$176.35	\$362.80	\$491.80	\$766.16	\$118.04
750	\$42.92	\$88.40	\$182.01	\$374.35	\$577.08	\$790.12	\$121.21
800	\$49.36	\$101.96	\$210.22	\$433.10	\$668.65	\$906.35	\$124.38
850	\$50.97	\$105.22	\$216.87	\$446.69	\$689.46	\$945.17	\$127.55
900	\$52.62	\$108.57	\$223.70	\$460.64	\$710.80	\$974.16	\$130.72
1000	\$56.03	\$115.53	\$237.92	\$489.60	\$755.06	\$1,034.26	\$137.04
1200	\$67.07	\$138.55	\$285.82	\$589.12	\$908.92	\$1,228.41	\$149.71
1400	\$78.12	\$161.55	\$333.72	\$688.66	\$1,062.79	\$1,422.55	\$162.36
1500	\$94.98	\$189.96	\$379.91	\$759.81	\$1,139.72	\$1,519.62	\$168.69
1750	\$108.67	\$217.33	\$434.67	\$869.33	\$1,303.99	\$1,738.64	\$184.51
2000	\$122.36	\$244.71	\$489.43	\$978.84	\$1,468.26	\$1,957.67	\$200.35
2500	\$149.74	\$299.47	\$598.93	\$1,197.87	\$1,796.80	\$2,395.72	\$255.08
3000	\$177.11	\$354.23	\$708.45	\$1,416.90	\$2,125.34	\$2,833.78	\$263.66
3500	\$204.49	\$408.98	\$817.97	\$1,635.92	\$2,453.89	\$3,271.83	\$295.30
4000	\$235.23	\$472.22	\$948.02	\$1,903.14	\$2,865.32	\$3,834.57	\$400.69
5000	\$326.86	\$653.69	\$1,307.40	\$2,614.77	\$3,922.15	\$5,229.50	\$495.65
6000	\$343.90	\$689.54	\$1,382.69	\$2,772.46	\$4,169.31	\$5,573.21	\$585.20
7000	\$408.99	\$817.96	\$1,635.94	\$3,271.85	\$4,907.78	\$6,543.67	\$590.60

Across the Board Increases Monthly Rates,  
 Hauled Water FY2016

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$15.45	\$36.45	\$52.61	\$84.73	\$97.62	\$134.19	
150	\$17.96	\$36.63	\$74.74	\$152.40	\$232.93	\$316.47	
200	\$20.76	\$42.48	\$86.86	\$177.51	\$271.96	\$370.15	\$93.31
250	\$23.38	\$47.90	\$98.08	\$200.75	\$308.00	\$419.83	\$96.74
300	\$25.79	\$52.88	\$108.39	\$222.11	\$341.11	\$466.01	\$100.16
350	\$27.96	\$57.40	\$117.80	\$241.55	\$371.32	\$507.08	\$103.57
400	\$29.93	\$61.49	\$126.27	\$259.12	\$398.60	\$544.64	\$106.99
450	\$31.68	\$65.15	\$133.80	\$274.81	\$422.94	\$578.21	\$110.40
500	\$33.19	\$68.30	\$140.46	\$288.59	\$444.35	\$607.75	\$113.82
550	\$37.13	\$76.46	\$157.34	\$323.47	\$498.44	\$682.20	\$117.25
600	\$38.38	\$78.97	\$162.45	\$333.89	\$514.36	\$703.81	\$120.67
650	\$43.46	\$89.58	\$184.52	\$379.74	\$585.70	\$802.35	\$124.08
700	\$44.89	\$92.48	\$190.46	\$391.82	\$531.14	\$827.45	\$127.49
750	\$46.35	\$95.47	\$196.57	\$404.29	\$623.24	\$853.33	\$130.91
800	\$53.31	\$110.11	\$227.03	\$467.75	\$722.15	\$978.86	\$134.33
850	\$55.05	\$113.64	\$234.22	\$482.43	\$744.62	\$1,020.78	\$137.76
900	\$56.83	\$117.26	\$241.60	\$497.49	\$767.66	\$1,052.10	\$141.18
1000	\$60.51	\$124.77	\$256.95	\$528.77	\$815.46	\$1,117.00	\$148.00
1200	\$72.44	\$149.63	\$308.68	\$636.25	\$981.63	\$1,326.68	\$161.69
1400	\$84.37	\$174.48	\$360.41	\$743.75	\$1,147.81	\$1,536.35	\$175.35
1500	\$102.58	\$205.15	\$410.30	\$820.60	\$1,230.90	\$1,641.19	\$182.19
1750	\$117.36	\$234.72	\$469.44	\$938.87	\$1,408.30	\$1,877.73	\$199.27
2000	\$132.15	\$264.29	\$528.58	\$1,057.15	\$1,585.72	\$2,114.28	\$216.37
2500	\$161.72	\$323.43	\$646.85	\$1,293.70	\$1,940.54	\$2,587.38	\$275.49
3000	\$191.28	\$382.57	\$765.13	\$1,530.25	\$2,295.37	\$3,060.48	\$284.75
3500	\$220.85	\$441.70	\$883.41	\$1,766.80	\$2,650.20	\$3,533.58	\$318.92
4000	\$254.05	\$509.99	\$1,023.87	\$2,055.39	\$3,094.55	\$4,141.33	\$432.75
5000	\$353.01	\$705.99	\$1,411.99	\$2,823.95	\$4,235.92	\$5,647.86	\$535.30
6000	\$371.41	\$744.71	\$1,493.31	\$2,994.26	\$4,502.85	\$6,019.06	\$632.02
7000	\$441.71	\$883.39	\$1,766.81	\$3,533.59	\$5,300.41	\$7,067.16	\$637.85

Across the Board Monthly Rates, Hauled Water  
FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$16.07	\$37.91	\$54.71	\$88.12	\$101.53	\$139.56	
150	\$18.68	\$38.10	\$77.73	\$158.50	\$242.24	\$329.13	
200	\$21.59	\$44.18	\$90.33	\$184.61	\$282.84	\$384.95	\$97.05
250	\$24.32	\$49.82	\$102.01	\$208.78	\$320.32	\$436.62	\$100.61
300	\$26.82	\$55.00	\$112.72	\$230.99	\$354.75	\$484.65	\$104.17
350	\$29.07	\$59.70	\$122.51	\$251.21	\$386.17	\$527.36	\$107.71
400	\$31.13	\$63.95	\$131.32	\$269.48	\$414.54	\$566.42	\$111.27
450	\$32.95	\$67.75	\$139.15	\$285.80	\$439.85	\$601.34	\$114.82
500	\$34.52	\$71.03	\$146.08	\$300.13	\$462.12	\$632.06	\$118.38
550	\$38.61	\$79.52	\$163.63	\$336.41	\$518.38	\$709.49	\$121.94
600	\$39.92	\$82.13	\$168.94	\$347.25	\$534.93	\$731.96	\$125.50
650	\$45.20	\$93.16	\$191.91	\$394.92	\$609.12	\$834.44	\$129.04
700	\$46.68	\$96.18	\$198.07	\$407.49	\$552.39	\$860.55	\$132.59
750	\$48.20	\$99.29	\$204.43	\$420.47	\$648.17	\$887.47	\$136.15
800	\$55.45	\$114.52	\$236.12	\$486.45	\$751.03	\$1,018.02	\$139.71
850	\$57.25	\$118.19	\$243.59	\$501.73	\$774.40	\$1,061.61	\$143.27
900	\$59.10	\$121.95	\$251.26	\$517.39	\$798.37	\$1,094.18	\$146.83
1000	\$62.93	\$129.76	\$267.23	\$549.92	\$848.08	\$1,161.68	\$153.92
1200	\$75.34	\$155.62	\$321.03	\$661.70	\$1,020.90	\$1,379.75	\$168.16
1400	\$87.74	\$181.46	\$374.83	\$773.50	\$1,193.73	\$1,597.81	\$182.37
1500	\$106.68	\$213.36	\$426.72	\$853.42	\$1,280.14	\$1,706.84	\$189.47
1750	\$122.06	\$244.10	\$488.22	\$976.43	\$1,464.64	\$1,952.84	\$207.24
2000	\$137.44	\$274.86	\$549.73	\$1,099.44	\$1,649.15	\$2,198.85	\$225.03
2500	\$168.18	\$336.37	\$672.72	\$1,345.44	\$2,018.17	\$2,690.87	\$286.51
3000	\$198.93	\$397.87	\$795.73	\$1,591.46	\$2,387.18	\$3,182.90	\$296.14
3500	\$229.69	\$459.36	\$918.74	\$1,837.47	\$2,756.21	\$3,674.93	\$331.68
4000	\$264.21	\$530.39	\$1,064.82	\$2,137.60	\$3,218.33	\$4,306.98	\$450.06
5000	\$367.13	\$734.23	\$1,468.47	\$2,936.91	\$4,405.36	\$5,873.77	\$556.71
6000	\$386.27	\$774.50	\$1,553.04	\$3,114.03	\$4,682.97	\$6,259.83	\$657.30
7000	\$459.38	\$918.73	\$1,837.48	\$3,674.94	\$5,512.42	\$7,349.85	\$663.36

Across the Board Monthly Rates, Hauled Water  
 FY2018

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$16.72	\$39.42	\$56.90	\$91.65	\$105.59	\$145.14	
150	\$19.43	\$39.62	\$80.84	\$164.84	\$251.93	\$342.29	
200	\$22.45	\$45.95	\$93.95	\$191.99	\$294.15	\$400.35	\$100.93
250	\$25.29	\$51.81	\$106.09	\$217.13	\$333.14	\$454.09	\$104.63
300	\$27.89	\$57.20	\$117.23	\$240.23	\$368.94	\$504.03	\$108.33
350	\$30.24	\$62.09	\$127.41	\$261.26	\$401.62	\$548.46	\$112.02
400	\$32.37	\$66.51	\$136.58	\$280.26	\$431.12	\$589.08	\$115.72
450	\$34.26	\$70.46	\$144.72	\$297.23	\$457.45	\$625.39	\$119.41
500	\$35.90	\$73.87	\$151.92	\$312.14	\$480.61	\$657.34	\$123.11
550	\$40.16	\$82.70	\$170.18	\$349.86	\$539.12	\$737.87	\$126.81
600	\$41.51	\$85.41	\$175.70	\$361.14	\$556.33	\$761.24	\$130.52
650	\$47.01	\$96.89	\$199.58	\$410.72	\$633.49	\$867.82	\$134.20
700	\$48.55	\$100.02	\$206.00	\$423.79	\$574.48	\$894.97	\$137.89
750	\$50.13	\$103.26	\$212.61	\$437.29	\$674.10	\$922.96	\$141.59
800	\$57.66	\$119.10	\$245.56	\$505.91	\$781.07	\$1,058.74	\$145.30
850	\$59.54	\$122.91	\$253.33	\$521.79	\$805.38	\$1,104.08	\$149.00
900	\$61.46	\$126.83	\$261.31	\$538.09	\$830.30	\$1,137.95	\$152.70
1000	\$65.45	\$134.95	\$277.92	\$571.91	\$882.00	\$1,208.14	\$160.08
1200	\$78.35	\$161.84	\$333.87	\$688.17	\$1,061.73	\$1,434.94	\$174.88
1400	\$91.25	\$188.72	\$389.82	\$804.44	\$1,241.48	\$1,661.72	\$189.66
1500	\$110.95	\$221.89	\$443.78	\$887.56	\$1,331.34	\$1,775.11	\$197.05
1750	\$126.94	\$253.87	\$507.75	\$1,015.49	\$1,523.22	\$2,030.96	\$215.53
2000	\$142.94	\$285.86	\$571.71	\$1,143.42	\$1,715.12	\$2,286.80	\$234.03
2500	\$174.91	\$349.82	\$699.63	\$1,399.26	\$2,098.89	\$2,798.51	\$297.97
3000	\$206.89	\$413.79	\$827.56	\$1,655.12	\$2,482.67	\$3,310.22	\$307.98
3500	\$238.88	\$477.74	\$955.49	\$1,910.97	\$2,866.46	\$3,821.92	\$344.95
4000	\$274.78	\$551.61	\$1,107.41	\$2,223.11	\$3,347.07	\$4,479.26	\$468.06
5000	\$381.81	\$763.60	\$1,527.21	\$3,054.38	\$4,581.58	\$6,108.73	\$578.98
6000	\$401.72	\$805.48	\$1,615.16	\$3,238.59	\$4,870.29	\$6,510.22	\$683.59
7000	\$477.75	\$955.48	\$1,910.98	\$3,821.94	\$5,732.92	\$7,643.84	\$689.90

Single Zone Phased Cost of Service Rate Schedules FY2014-18

Phased COS Monthly Rates, Hauled Water  
 FY2014

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$14.94	\$32.93	\$51.63	\$87.03	\$106.69	\$145.38	
150	\$16.98	\$33.58	\$68.47	\$138.01	\$209.48	\$282.98	
200	\$19.20	\$38.12	\$77.92	\$157.40	\$239.39	\$323.84	\$79.38
250	\$21.27	\$42.33	\$86.69	\$175.39	\$267.07	\$361.71	\$81.90
300	\$23.18	\$46.22	\$94.81	\$192.04	\$292.68	\$397.11	\$84.42
350	\$24.93	\$49.80	\$102.31	\$207.40	\$316.35	\$429.11	\$86.92
400	\$26.53	\$53.09	\$109.18	\$221.52	\$338.09	\$458.82	\$89.43
450	\$27.99	\$56.09	\$115.43	\$234.41	\$357.94	\$485.98	\$91.93
500	\$29.29	\$58.76	\$121.12	\$246.08	\$375.90	\$510.56	\$94.43
550	\$32.19	\$64.67	\$133.41	\$271.24	\$414.61	\$563.44	\$96.92
600	\$33.31	\$66.93	\$138.10	\$280.77	\$429.11	\$583.06	\$99.41
650	\$36.93	\$74.34	\$153.59	\$312.62	\$478.27	\$650.44	\$101.89
700	\$38.17	\$76.85	\$158.82	\$323.23	\$448.50	\$672.32	\$104.37
750	\$39.43	\$79.43	\$164.16	\$334.09	\$510.96	\$694.66	\$106.85
800	\$44.19	\$89.24	\$184.70	\$376.43	\$576.41	\$777.72	\$109.33
850	\$45.63	\$92.16	\$190.73	\$388.69	\$595.08	\$809.83	\$111.81
900	\$47.09	\$95.12	\$196.88	\$401.18	\$614.10	\$835.56	\$114.28
1000	\$50.10	\$101.23	\$209.53	\$426.85	\$653.17	\$888.38	\$119.21
1200	\$58.95	\$119.43	\$247.73	\$505.47	\$751.42	\$1,015.55	\$129.06
1400	\$67.76	\$133.56	\$285.78	\$569.33	\$878.63	\$1,176.05	\$138.88
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$143.77
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

Phased COS Monthly Rates, Hauled Water  
FY2015

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$18.42	\$37.87	\$64.64	\$114.16	\$149.11	\$201.38	
150	\$20.46	\$39.20	\$79.88	\$159.12	\$239.83	\$322.07	
200	\$22.61	\$43.54	\$88.99	\$177.61	\$268.10	\$360.41	\$85.84
250	\$24.64	\$47.59	\$97.50	\$194.91	\$294.51	\$396.27	\$88.13
300	\$26.53	\$51.39	\$105.49	\$211.16	\$319.29	\$430.16	\$90.42
350	\$28.29	\$54.94	\$113.01	\$226.41	\$342.60	\$461.52	\$92.70
400	\$29.94	\$58.28	\$120.05	\$240.75	\$364.49	\$491.19	\$94.97
450	\$31.47	\$61.40	\$126.63	\$254.19	\$384.99	\$519.01	\$97.24
500	\$32.89	\$64.28	\$132.80	\$266.73	\$404.15	\$544.99	\$99.50
550	\$35.49	\$69.51	\$143.77	\$288.98	\$438.10	\$591.03	\$101.76
600	\$36.78	\$72.10	\$149.22	\$300.00	\$454.80	\$613.52	\$104.01
650	\$39.88	\$78.36	\$162.41	\$326.84	\$495.85	\$669.33	\$106.25
700	\$41.25	\$81.13	\$168.25	\$338.65	\$481.28	\$693.46	\$108.49
750	\$42.64	\$83.94	\$174.17	\$350.64	\$531.92	\$717.91	\$110.73
800	\$46.52	\$91.81	\$190.76	\$384.46	\$583.75	\$783.88	\$112.96
850	\$48.04	\$94.86	\$197.18	\$397.45	\$603.43	\$815.01	\$115.19
900	\$49.57	\$97.96	\$203.68	\$410.59	\$623.34	\$841.82	\$117.42
1000	\$52.69	\$104.25	\$216.92	\$437.34	\$663.87	\$896.38	\$121.86
1200	\$60.90	\$120.95	\$252.29	\$509.43	\$751.42	\$1,015.55	\$130.71
1400	\$69.06	\$133.56	\$287.45	\$569.33	\$878.63	\$1,176.05	\$139.52
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$143.91
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

Phased COS Monthly Rates, Hauled Water  
FY2016

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$22.72	\$43.56	\$80.93	\$149.76	\$208.41	\$278.97	
150	\$24.65	\$45.76	\$93.20	\$183.47	\$274.57	\$366.56	
200	\$26.64	\$49.73	\$101.62	\$200.41	\$300.25	\$401.11	\$92.81
250	\$28.55	\$53.51	\$109.66	\$216.61	\$324.77	\$434.12	\$94.84
300	\$30.36	\$57.14	\$117.38	\$232.17	\$348.32	\$465.96	\$96.85
350	\$32.10	\$60.62	\$124.83	\$247.17	\$371.03	\$496.37	\$98.85
400	\$33.77	\$63.98	\$132.01	\$261.65	\$392.94	\$525.83	\$100.86
450	\$35.38	\$67.22	\$138.92	\$275.63	\$414.10	\$554.29	\$102.85
500	\$36.92	\$70.33	\$145.61	\$289.12	\$434.51	\$581.76	\$104.85
550	\$39.13	\$74.72	\$154.94	\$307.89	\$462.92	\$619.97	\$106.83
600	\$40.60	\$77.66	\$161.23	\$320.56	\$482.02	\$645.57	\$108.82
650	\$43.07	\$82.59	\$171.72	\$341.70	\$514.07	\$688.76	\$110.80
700	\$44.58	\$85.64	\$178.24	\$354.81	\$516.46	\$715.26	\$112.77
750	\$46.11	\$88.71	\$184.80	\$368.00	\$553.74	\$741.93	\$114.74
800	\$48.98	\$94.45	\$197.02	\$392.67	\$591.18	\$790.10	\$116.71
850	\$50.57	\$97.65	\$203.84	\$406.40	\$611.89	\$820.22	\$118.68
900	\$52.18	\$100.87	\$210.71	\$420.22	\$632.72	\$848.14	\$120.65
1000	\$55.41	\$107.37	\$224.58	\$448.09	\$674.75	\$904.44	\$124.56
1200	\$62.92	\$122.48	\$256.93	\$513.42	\$751.42	\$1,015.55	\$132.38
1400	\$70.38	\$133.56	\$289.13	\$569.33	\$878.63	\$1,176.05	\$140.16
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$144.04
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

Phased COS Monthly Rates, Hauled Water  
 FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$28.01	\$50.11	\$101.33	\$196.45	\$291.28	\$386.45	
150	\$29.70	\$53.43	\$108.74	\$211.53	\$314.35	\$417.19	
200	\$31.38	\$56.80	\$116.04	\$226.14	\$336.26	\$446.41	\$100.36
250	\$33.07	\$60.16	\$123.33	\$240.72	\$358.14	\$475.59	\$102.05
300	\$34.75	\$63.53	\$130.61	\$255.28	\$379.99	\$504.74	\$103.73
350	\$36.43	\$66.88	\$137.88	\$269.83	\$401.82	\$533.85	\$105.42
400	\$38.10	\$70.24	\$145.15	\$284.36	\$423.62	\$562.92	\$107.11
450	\$39.78	\$73.59	\$152.40	\$298.88	\$445.40	\$591.97	\$108.79
500	\$41.45	\$76.94	\$159.65	\$313.38	\$467.16	\$621.00	\$110.48
550	\$43.14	\$80.32	\$166.98	\$328.04	\$489.15	\$650.32	\$112.16
600	\$44.81	\$83.66	\$174.22	\$342.52	\$510.88	\$679.29	\$113.85
650	\$46.51	\$87.06	\$181.58	\$357.24	\$532.97	\$708.76	\$115.54
700	\$48.19	\$90.41	\$188.82	\$371.73	\$554.22	\$737.76	\$117.22
750	\$49.86	\$93.75	\$196.07	\$386.23	\$576.46	\$766.75	\$118.91
800	\$51.57	\$97.17	\$203.48	\$401.05	\$598.70	\$796.36	\$120.59
850	\$53.24	\$100.52	\$210.73	\$415.56	\$620.47	\$825.46	\$122.28
900	\$54.92	\$103.87	\$217.99	\$430.07	\$642.24	\$854.50	\$123.96
1000	\$58.27	\$110.57	\$232.50	\$459.11	\$685.80	\$912.58	\$127.33
1200	\$65.00	\$124.04	\$261.66	\$517.45	\$751.42	\$1,015.55	\$134.07
1400	\$71.73	\$133.56	\$290.82	\$569.33	\$878.63	\$1,176.05	\$140.81
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$144.18
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

Phased COS Monthly Rates, Hauled Water  
 FY2018

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$29.13	\$52.11	\$105.39	\$204.31	\$302.93	\$401.90	
150	\$30.89	\$55.56	\$113.09	\$220.00	\$326.92	\$433.88	
200	\$32.64	\$59.07	\$120.68	\$235.18	\$349.71	\$464.27	\$104.38
250	\$34.39	\$62.57	\$128.26	\$250.35	\$372.46	\$494.62	\$106.13
300	\$36.14	\$66.07	\$135.84	\$265.49	\$395.19	\$524.93	\$107.88
350	\$37.88	\$69.56	\$143.40	\$280.62	\$417.89	\$555.20	\$109.64
400	\$39.63	\$73.05	\$150.95	\$295.73	\$440.56	\$585.44	\$111.39
450	\$41.37	\$76.53	\$158.50	\$310.83	\$463.22	\$615.65	\$113.14
500	\$43.11	\$80.01	\$166.04	\$325.92	\$485.85	\$645.84	\$114.90
550	\$44.87	\$83.53	\$173.66	\$341.16	\$508.72	\$676.34	\$116.65
600	\$46.61	\$87.01	\$181.19	\$356.22	\$531.31	\$706.46	\$118.40
650	\$48.37	\$90.54	\$188.84	\$371.53	\$554.29	\$737.11	\$120.16
700	\$50.11	\$94.02	\$196.38	\$386.60	\$576.38	\$767.27	\$121.91
750	\$51.85	\$97.50	\$203.91	\$401.68	\$599.51	\$797.42	\$123.66
800	\$53.63	\$101.06	\$211.62	\$417.09	\$622.65	\$828.22	\$125.42
850	\$55.37	\$104.54	\$219.16	\$432.18	\$645.29	\$858.48	\$127.17
900	\$57.12	\$108.03	\$226.71	\$447.28	\$667.93	\$888.68	\$128.92
1000	\$60.60	\$115.00	\$241.80	\$477.47	\$713.23	\$949.08	\$132.43
1200	\$67.60	\$129.00	\$272.13	\$538.14	\$781.48	\$1,056.17	\$139.43
1400	\$74.60	\$138.90	\$302.45	\$592.10	\$913.78	\$1,223.09	\$146.44
1500	\$81.66	\$163.32	\$326.64	\$653.28	\$979.92	\$1,306.55	\$149.95
1750	\$93.43	\$186.86	\$373.72	\$747.44	\$1,121.15	\$1,494.86	\$158.64
2000	\$105.21	\$210.40	\$420.80	\$841.60	\$1,262.39	\$1,683.18	\$172.26
2500	\$128.74	\$257.48	\$514.96	\$1,029.91	\$1,544.87	\$2,059.81	\$219.32
3000	\$152.28	\$304.56	\$609.12	\$1,218.24	\$1,827.34	\$2,436.45	\$226.69
3500	\$175.82	\$351.63	\$703.28	\$1,406.55	\$2,109.83	\$2,813.09	\$253.90
4000	\$202.25	\$406.01	\$815.10	\$1,636.29	\$2,463.57	\$3,296.91	\$344.51
5000	\$281.03	\$562.04	\$1,124.08	\$2,248.15	\$3,372.22	\$4,496.26	\$426.15
6000	\$295.68	\$592.86	\$1,188.82	\$2,383.73	\$3,584.72	\$4,791.78	\$503.15
7000	\$351.64	\$703.27	\$1,406.56	\$2,813.10	\$4,219.65	\$5,626.17	\$507.79

## 2 Zone Phased COS Rate Schedules, Zone 1: FY2014-18

## Zone 1 Phased COS Rate Schedule, FY2014

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$14.28	\$31.27	\$48.84	\$82.16	\$100.64	\$137.09	
150	\$16.27	\$32.00	\$65.04	\$130.88	\$198.55	\$268.14	
200	\$18.44	\$36.45	\$74.28	\$149.84	\$227.78	\$308.06	\$75.68
250	\$20.48	\$40.58	\$82.90	\$167.51	\$254.97	\$345.25	\$78.15
300	\$22.36	\$44.42	\$90.91	\$183.94	\$280.24	\$380.16	\$80.62
350	\$24.09	\$47.96	\$98.33	\$199.15	\$303.68	\$411.86	\$83.08
400	\$25.68	\$51.23	\$105.17	\$213.19	\$325.29	\$441.39	\$85.54
450	\$27.13	\$54.22	\$111.40	\$226.06	\$345.08	\$468.47	\$88.00
500	\$28.43	\$56.89	\$117.09	\$237.73	\$363.07	\$493.07	\$90.45
550	\$31.28	\$62.71	\$129.18	\$262.47	\$401.13	\$545.06	\$92.91
600	\$32.41	\$64.98	\$133.91	\$272.10	\$415.78	\$564.89	\$95.36
650	\$35.97	\$72.26	\$149.13	\$303.38	\$464.05	\$614.18	\$94.98
700	\$37.21	\$74.79	\$154.39	\$314.07	\$435.70	\$653.11	\$97.59
750	\$38.48	\$77.37	\$159.76	\$324.99	\$496.97	\$675.60	\$100.21
800	\$43.16	\$87.02	\$179.94	\$358.05	\$552.79	\$749.30	\$102.83
850	\$44.60	\$89.94	\$185.99	\$369.29	\$569.99	\$781.39	\$105.45
900	\$46.06	\$92.91	\$192.15	\$380.82	\$587.63	\$805.36	\$108.07
1000	\$49.07	\$99.02	\$204.83	\$417.14	\$624.22	\$855.04	\$113.29
1200	\$57.86	\$114.54	\$236.29	\$487.04	\$751.42	\$1,015.55	\$123.77
1400	\$66.63	\$133.56	\$275.89	\$569.33	\$878.63	\$1,176.05	\$134.23
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$139.46
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

## Phased COS Zone 1, FY 2015

Capacity	1 <sup>□</sup> time/month	2 <sup>□</sup> times/month	1 <sup>□</sup> time/week	2 <sup>□</sup> times/week	3 <sup>□</sup> times/week	4 <sup>□</sup> times/week	Extra Haul
100	\$16.80	\$34.12	\$57.76	\$101.60	\$132.52	\$178.85	
150	\$18.76	\$35.57	\$71.98	\$142.91	\$215.15	\$288.76	
200	\$20.84	\$39.76	\$80.76	\$160.74	\$242.40	\$325.70	\$77.91
250	\$22.82	\$43.70	\$89.05	\$177.57	\$268.08	\$360.55	\$80.14
300	\$24.66	\$47.42	\$96.88	\$193.49	\$292.36	\$393.73	\$82.36
350	\$26.39	\$50.92	\$104.29	\$208.53	\$315.34	\$424.65	\$84.57
400	\$28.02	\$54.22	\$111.27	\$222.75	\$337.04	\$454.06	\$86.78
450	\$29.54	\$57.33	\$117.83	\$236.14	\$357.47	\$481.78	\$88.99
500	\$30.96	\$60.21	\$124.00	\$248.70	\$376.65	\$507.80	\$91.19
550	\$33.49	\$65.30	\$134.68	\$270.35	\$409.68	\$552.56	\$93.40
600	\$34.78	\$67.91	\$140.18	\$281.51	\$426.59	\$575.35	\$95.59
650	\$37.80	\$73.98	\$152.98	\$307.53	\$466.40	\$614.18	\$94.98
700	\$39.18	\$76.77	\$158.87	\$319.46	\$453.84	\$653.83	\$97.59
750	\$40.57	\$79.60	\$164.83	\$331.53	\$502.78	\$678.48	\$100.21
800	\$44.34	\$87.23	\$180.91	\$358.05	\$552.79	\$749.30	\$102.83
850	\$45.86	\$90.30	\$187.35	\$369.29	\$569.99	\$781.39	\$105.45
900	\$47.39	\$93.39	\$193.87	\$380.82	\$587.63	\$805.36	\$108.07
1000	\$50.51	\$99.70	\$207.15	\$417.38	\$624.22	\$855.04	\$113.29
1200	\$58.65	\$114.54	\$236.29	\$487.04	\$751.42	\$1,015.55	\$123.77
1400	\$66.74	\$133.56	\$275.89	\$569.33	\$878.63	\$1,176.05	\$134.23
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$139.46
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

## Phased COS, FY 2016 Zone 1

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$19.77	\$37.22	\$68.31	\$125.65	\$174.49	\$233.33	
150	\$21.64	\$39.53	\$79.67	\$156.04	\$233.13	\$310.96	
200	\$23.56	\$43.36	\$87.81	\$172.43	\$257.95	\$344.34	\$80.21
250	\$25.42	\$47.05	\$95.65	\$188.23	\$281.86	\$376.53	\$82.18
300	\$27.20	\$50.61	\$103.24	\$203.53	\$305.01	\$407.78	\$84.14
350	\$28.91	\$54.05	\$110.60	\$218.35	\$327.45	\$437.84	\$86.09
400	\$30.57	\$57.38	\$117.73	\$232.73	\$349.21	\$467.10	\$88.04
450	\$32.17	\$60.61	\$124.62	\$246.68	\$370.30	\$495.47	\$89.99
500	\$33.71	\$63.72	\$131.31	\$260.18	\$390.74	\$522.96	\$91.94
550	\$35.86	\$68.00	\$140.41	\$278.47	\$418.41	\$560.17	\$93.88
600	\$37.33	\$70.96	\$146.75	\$291.24	\$437.68	\$586.00	\$95.83
650	\$39.73	\$75.74	\$156.92	\$311.75	\$468.75	\$614.18	\$94.98
700	\$41.25	\$78.81	\$163.48	\$324.94	\$472.73	\$654.56	\$97.59
750	\$42.78	\$81.89	\$170.07	\$338.20	\$508.67	\$681.38	\$100.21
800	\$45.56	\$87.44	\$181.88	\$358.05	\$552.79	\$749.30	\$102.83
850	\$47.16	\$90.65	\$188.73	\$369.29	\$569.99	\$781.39	\$105.45
900	\$48.76	\$93.87	\$195.62	\$380.82	\$587.63	\$805.36	\$108.07
1000	\$51.99	\$100.38	\$209.51	\$417.62	\$624.22	\$855.04	\$113.29
1200	\$59.44	\$114.54	\$236.29	\$487.04	\$751.42	\$1,015.55	\$123.77
1400	\$66.86	\$133.56	\$275.89	\$569.33	\$878.63	\$1,176.05	\$134.23
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$139.46
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

## Phased COSZone 1, FY2017

Capacity	1 <sup>□</sup> time/ month	2 <sup>□</sup> times/ month	1 <sup>□</sup> time/ week	2 <sup>□</sup> times/ week	3 <sup>□</sup> times/ week	4 <sup>□</sup> times/ week	Extra Haul
100	\$23.27	\$40.61	\$80.79	\$155.40	\$229.76	\$304.41	
150	\$24.95	\$43.93	\$88.17	\$170.38	\$252.61	\$334.86	
200	\$26.64	\$47.30	\$95.46	\$184.97	\$274.50	\$364.05	\$82.58
250	\$28.32	\$50.66	\$102.75	\$199.54	\$296.36	\$393.21	\$84.26
300	\$30.00	\$54.02	\$110.02	\$214.09	\$318.20	\$422.34	\$85.95
350	\$31.68	\$57.38	\$117.29	\$228.64	\$340.02	\$451.44	\$87.63
400	\$33.35	\$60.73	\$124.56	\$243.17	\$361.82	\$480.51	\$89.32
450	\$35.03	\$64.08	\$131.81	\$257.68	\$383.60	\$509.56	\$91.00
500	\$36.70	\$67.43	\$139.06	\$272.19	\$405.36	\$538.58	\$92.69
550	\$38.39	\$70.81	\$146.38	\$286.83	\$427.33	\$567.88	\$94.37
600	\$40.06	\$74.15	\$153.62	\$301.31	\$449.05	\$596.85	\$96.06
650	\$41.76	\$77.55	\$160.97	\$316.01	\$471.12	\$614.18	\$94.98
700	\$43.43	\$80.89	\$168.22	\$330.51	\$492.41	\$655.28	\$97.59
750	\$45.11	\$84.24	\$175.47	\$345.01	\$514.61	\$684.29	\$100.21
800	\$46.81	\$87.66	\$182.86	\$358.05	\$552.79	\$749.30	\$102.83
850	\$48.49	\$91.01	\$190.12	\$369.29	\$569.99	\$781.39	\$105.45
900	\$50.16	\$94.36	\$197.37	\$380.82	\$587.63	\$805.36	\$108.07
1000	\$53.51	\$101.06	\$211.89	\$417.87	\$624.22	\$855.04	\$113.29
1200	\$60.24	\$114.54	\$236.29	\$487.04	\$751.42	\$1,015.55	\$123.77
1400	\$66.97	\$133.56	\$275.89	\$569.33	\$878.63	\$1,176.05	\$134.23
1500	\$78.52	\$157.04	\$314.08	\$628.15	\$942.23	\$1,256.30	\$139.46
1750	\$89.84	\$179.67	\$359.35	\$718.69	\$1,078.03	\$1,437.37	\$152.54
2000	\$101.16	\$202.31	\$404.62	\$809.23	\$1,213.84	\$1,618.44	\$165.63
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$210.88
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$217.97
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$244.13
4000	\$194.47	\$390.39	\$783.75	\$1,573.36	\$2,368.82	\$3,170.11	\$331.26
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$409.76
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$488.26

## Phased COSZone 1, FY2018

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$24.20	\$42.23	\$84.02	\$161.61	\$238.95	\$316.59	
150	\$25.95	\$45.69	\$91.70	\$177.20	\$262.72	\$348.26	
200	\$27.70	\$49.19	\$99.28	\$192.37	\$285.48	\$378.62	\$85.88
250	\$29.45	\$52.69	\$106.86	\$207.52	\$308.21	\$408.94	\$87.63
300	\$31.20	\$56.18	\$114.42	\$222.66	\$330.93	\$439.23	\$89.39
350	\$32.94	\$59.68	\$121.98	\$237.78	\$353.62	\$469.49	\$91.14
400	\$34.69	\$63.16	\$129.54	\$252.89	\$376.29	\$499.73	\$92.89
450	\$36.43	\$66.65	\$137.08	\$267.99	\$398.94	\$529.94	\$94.64
500	\$38.17	\$70.13	\$144.62	\$283.07	\$421.57	\$560.12	\$96.39
550	\$39.93	\$73.64	\$152.24	\$298.30	\$444.42	\$590.59	\$98.15
600	\$41.67	\$77.12	\$159.77	\$313.36	\$467.02	\$620.73	\$99.90
650	\$43.43	\$80.65	\$167.41	\$328.65	\$489.96	\$638.75	\$98.78
700	\$45.17	\$84.13	\$174.95	\$343.73	\$512.11	\$681.49	\$101.49
750	\$46.91	\$87.61	\$182.48	\$358.81	\$535.20	\$711.66	\$104.22
800	\$48.69	\$91.16	\$190.18	\$372.37	\$574.90	\$779.27	\$106.94
850	\$50.43	\$94.65	\$197.72	\$384.06	\$592.79	\$812.65	\$109.67
900	\$52.17	\$98.13	\$205.27	\$396.05	\$611.14	\$837.57	\$112.39
1000	\$55.66	\$105.10	\$220.36	\$434.58	\$649.19	\$889.24	\$117.82
1200	\$62.65	\$119.12	\$245.74	\$506.52	\$781.48	\$1,056.17	\$128.72
1400	\$69.65	\$138.90	\$286.93	\$592.10	\$913.78	\$1,223.09	\$139.60
1500	\$81.66	\$163.32	\$326.64	\$653.28	\$979.92	\$1,306.55	\$145.04
1750	\$93.43	\$186.86	\$373.72	\$747.44	\$1,121.15	\$1,494.86	\$158.64
2000	\$105.21	\$210.40	\$420.80	\$841.60	\$1,262.39	\$1,683.18	\$172.26
2500	\$128.74	\$257.48	\$514.96	\$1,029.91	\$1,544.87	\$2,059.81	\$219.32
3000	\$152.28	\$304.56	\$609.12	\$1,218.24	\$1,827.34	\$2,436.45	\$226.69
3500	\$175.82	\$351.63	\$703.28	\$1,406.55	\$2,109.83	\$2,813.09	\$253.90
4000	\$202.25	\$406.01	\$815.10	\$1,636.29	\$2,463.57	\$3,296.91	\$344.51
5000	\$281.03	\$562.04	\$1,124.08	\$2,248.15	\$3,372.22	\$4,496.26	\$426.15
6000	\$295.68	\$592.86	\$1,188.82	\$2,383.73	\$3,584.72	\$4,791.78	\$503.15
7000	\$351.64	\$703.27	\$1,406.56	\$2,813.10	\$4,219.65	\$5,626.17	\$507.79

2 Zone Phased COS Rate Schedules, Zone 2: FY 2014-18

Phased COS Zone 2, FY 2014

Capacity	1 time/ month	2 times/ month	1 time/ week	2 times/ week	3 times/ week	4 times/ week	Extra Haul
100	\$16.01	\$35.53	\$55.96	\$94.54	\$115.99	\$158.10	
150	\$18.13	\$36.08	\$73.86	\$149.15	\$226.53	\$306.11	
200	\$20.43	\$40.81	\$83.71	\$169.37	\$257.74	\$348.76	\$87.86
250	\$22.58	\$45.16	\$92.79	\$188.00	\$286.41	\$388.01	\$90.52
300	\$24.54	\$49.16	\$101.14	\$205.14	\$312.78	\$424.47	\$93.18
350	\$26.33	\$52.82	\$108.81	\$220.85	\$337.00	\$457.21	\$95.82
400	\$27.96	\$56.17	\$115.81	\$235.21	\$359.12	\$487.45	\$98.46
450	\$29.44	\$59.21	\$122.13	\$248.26	\$379.20	\$514.93	\$101.08
500	\$30.75	\$61.90	\$127.85	\$259.99	\$397.28	\$539.67	\$103.70
550	\$33.73	\$67.99	\$140.52	\$285.94	\$437.21	\$594.23	\$106.32
600	\$34.86	\$70.24	\$145.17	\$295.39	\$451.57	\$613.66	\$108.93
650	\$38.58	\$77.87	\$161.17	\$328.28	\$502.34	\$683.26	\$111.52
700	\$39.82	\$80.38	\$166.37	\$338.84	\$470.27	\$705.00	\$114.11
750	\$41.08	\$82.95	\$171.70	\$349.65	\$534.87	\$727.24	\$116.70
800	\$45.99	\$93.08	\$192.89	\$393.36	\$602.44	\$812.92	\$119.28
850	\$47.43	\$95.99	\$198.91	\$405.59	\$621.07	\$845.27	\$121.86
900	\$48.90	\$98.96	\$205.06	\$418.07	\$640.07	\$870.96	\$124.43
1000	\$51.91	\$105.08	\$217.73	\$443.75	\$679.14	\$923.77	\$129.55
1200	\$60.87	\$123.50	\$256.40	\$523.34	\$801.27	\$1,078.92	\$139.76
1400	\$69.77	\$141.80	\$294.82	\$602.44	\$922.64	\$1,233.34	\$149.89
1500	\$81.70	\$161.95	\$328.64	\$655.88	\$983.11	\$1,310.34	\$154.94
1750	\$92.57	\$179.67	\$372.87	\$744.29	\$1,115.71	\$1,487.13	\$167.51
2000	\$101.16	\$202.31	\$417.03	\$809.23	\$1,213.84	\$1,618.44	\$180.03
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$220.17
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$229.65
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$254.26
4000	\$194.47	\$390.39	\$812.65	\$1,628.47	\$2,448.85	\$3,273.79	\$358.82
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$429.44
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$507.10

## Phased COS Zone 2, FY 2015

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$21.18	\$44.17	\$76.08	\$134.95	\$176.54	\$238.60	
150	\$23.36	\$45.34	\$93.14	\$186.22	\$281.02	\$377.63	
200	\$25.66	\$49.98	\$102.89	\$206.04	\$311.37	\$418.82	\$105.43
250	\$27.80	\$54.26	\$111.90	\$224.35	\$339.34	\$456.82	\$107.95
300	\$29.78	\$58.24	\$120.26	\$241.35	\$365.29	\$492.35	\$110.45
350	\$31.60	\$61.92	\$128.04	\$257.15	\$389.44	\$524.83	\$112.93
400	\$33.29	\$65.34	\$135.27	\$271.86	\$411.91	\$555.30	\$115.41
450	\$34.86	\$68.53	\$141.96	\$285.53	\$432.77	\$583.62	\$117.87
500	\$36.29	\$71.43	\$148.18	\$298.18	\$452.09	\$609.84	\$120.32
550	\$39.03	\$76.94	\$159.74	\$321.62	\$487.87	\$658.36	\$122.76
600	\$40.31	\$79.50	\$165.13	\$332.53	\$504.37	\$680.57	\$125.18
650	\$43.58	\$86.10	\$179.06	\$360.89	\$547.78	\$739.61	\$127.59
700	\$44.95	\$88.87	\$184.87	\$372.62	\$529.82	\$763.54	\$129.99
750	\$46.34	\$91.67	\$190.77	\$384.55	\$583.61	\$787.84	\$132.39
800	\$50.44	\$99.99	\$208.31	\$420.34	\$638.48	\$857.55	\$134.78
850	\$51.96	\$103.04	\$214.72	\$433.30	\$658.10	\$889.02	\$137.16
900	\$53.49	\$106.14	\$221.22	\$446.42	\$677.99	\$915.78	\$139.54
1000	\$56.63	\$112.45	\$234.49	\$473.19	\$718.51	\$970.30	\$144.25
1200	\$65.00	\$129.46	\$270.52	\$546.65	\$830.38	\$1,113.87	\$153.62
1400	\$73.28	\$146.30	\$306.21	\$619.41	\$941.18	\$1,256.41	\$162.88
1500	\$82.55	\$162.16	\$334.02	\$665.15	\$996.28	\$1,327.40	\$167.49
1750	\$92.61	\$179.67	\$375.71	\$748.48	\$1,121.24	\$1,494.00	\$178.93
2000	\$101.16	\$202.31	\$417.31	\$809.23	\$1,213.84	\$1,618.44	\$190.29
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$223.27
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$235.07
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$257.19
4000	\$194.47	\$390.39	\$818.25	\$1,636.65	\$2,458.12	\$3,282.66	\$377.91
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$437.19
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$511.46

## Phased COS, FY2016 Zone 2

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$28.03	\$54.92	\$103.44	\$192.65	\$268.71	\$360.08	
150	\$30.10	\$56.97	\$117.45	\$232.49	\$348.61	\$465.86	
200	\$32.22	\$61.21	\$126.45	\$250.64	\$376.16	\$502.96	\$126.51
250	\$34.23	\$65.20	\$134.94	\$267.74	\$402.05	\$537.84	\$128.72
300	\$36.13	\$68.98	\$142.99	\$283.96	\$426.61	\$571.09	\$130.92
350	\$37.92	\$72.58	\$150.66	\$299.43	\$450.04	\$602.45	\$133.11
400	\$39.64	\$76.01	\$158.00	\$314.23	\$472.45	\$632.59	\$135.28
450	\$41.27	\$79.30	\$165.02	\$328.41	\$493.91	\$661.47	\$137.44
500	\$42.83	\$82.43	\$171.75	\$341.99	\$514.47	\$689.13	\$139.59
550	\$45.15	\$87.06	\$181.58	\$361.76	\$544.40	\$729.41	\$141.73
600	\$46.62	\$89.99	\$187.83	\$374.33	\$563.34	\$754.78	\$143.87
650	\$49.23	\$95.20	\$198.94	\$396.74	\$597.32	\$800.60	\$145.98
700	\$50.75	\$98.24	\$205.43	\$409.78	\$596.92	\$826.95	\$148.09
750	\$52.27	\$101.31	\$211.97	\$422.92	\$636.80	\$853.49	\$150.20
800	\$55.32	\$107.41	\$224.96	\$449.18	\$676.67	\$904.64	\$152.30
850	\$56.92	\$110.61	\$231.78	\$462.89	\$697.34	\$935.02	\$154.39
900	\$58.52	\$113.83	\$238.65	\$476.70	\$718.15	\$962.90	\$156.48
1000	\$61.77	\$120.35	\$252.53	\$504.58	\$760.17	\$1,019.19	\$160.62
1200	\$69.40	\$135.71	\$285.42	\$571.00	\$860.55	\$1,149.96	\$168.85
1400	\$76.97	\$150.94	\$318.03	\$636.85	\$960.09	\$1,279.92	\$177.00
1500	\$83.41	\$162.36	\$339.49	\$674.56	\$1,009.62	\$1,344.69	\$181.06
1750	\$92.65	\$179.67	\$378.57	\$752.68	\$1,126.79	\$1,500.90	\$191.13
2000	\$101.16	\$202.31	\$417.59	\$809.23	\$1,213.84	\$1,618.44	\$201.13
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$226.41
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$240.62
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$260.15
4000	\$194.47	\$390.39	\$823.87	\$1,644.87	\$2,467.43	\$3,291.54	\$398.01
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$445.07
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$515.85

## Phased COSZone2, FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$37.09	\$68.28	\$140.64	\$275.01	\$408.99	\$543.42	
150	\$38.78	\$71.59	\$148.10	\$290.27	\$432.47	\$574.69	
200	\$40.47	\$74.97	\$155.42	\$304.91	\$454.43	\$603.99	\$151.81
250	\$42.15	\$78.34	\$162.72	\$319.51	\$476.35	\$633.23	\$153.50
300	\$43.84	\$81.71	\$170.01	\$334.10	\$498.23	\$662.41	\$155.19
350	\$45.52	\$85.07	\$177.29	\$348.66	\$520.08	\$691.55	\$156.88
400	\$47.19	\$88.43	\$184.56	\$363.20	\$541.89	\$720.65	\$158.57
450	\$48.87	\$91.78	\$191.82	\$377.72	\$563.69	\$749.71	\$160.26
500	\$50.54	\$95.13	\$199.07	\$392.23	\$585.45	\$778.74	\$161.96
550	\$52.24	\$98.52	\$206.41	\$406.91	\$607.48	\$808.12	\$163.65
600	\$53.91	\$101.86	\$213.65	\$421.39	\$629.20	\$837.08	\$165.34
650	\$55.61	\$105.27	\$221.02	\$436.15	\$651.35	\$866.63	\$167.03
700	\$57.29	\$108.61	\$228.27	\$450.64	\$672.52	\$895.62	\$168.71
750	\$58.96	\$111.96	\$235.51	\$465.13	\$694.83	\$924.61	\$170.40
800	\$60.67	\$115.39	\$242.94	\$480.00	\$717.15	\$954.31	\$172.09
850	\$62.35	\$118.74	\$250.20	\$494.51	\$738.92	\$983.41	\$173.78
900	\$64.02	\$122.09	\$257.45	\$509.02	\$760.69	\$1,012.45	\$175.47
1000	\$67.38	\$128.79	\$271.97	\$538.06	\$804.25	\$1,070.53	\$178.85
1200	\$74.11	\$142.26	\$301.15	\$596.43	\$891.82	\$1,187.21	\$185.60
1400	\$80.84	\$155.73	\$330.31	\$654.78	\$979.37	\$1,303.87	\$192.35
1500	\$84.28	\$162.57	\$345.04	\$684.09	\$1,023.14	\$1,362.19	\$195.72
1750	\$92.69	\$179.67	\$381.46	\$756.92	\$1,132.38	\$1,507.84	\$204.15
2000	\$101.16	\$202.31	\$417.87	\$809.23	\$1,213.84	\$1,618.44	\$212.58
2500	\$123.79	\$247.58	\$495.15	\$990.30	\$1,485.45	\$1,980.59	\$229.60
3000	\$146.42	\$292.85	\$585.69	\$1,171.38	\$1,757.06	\$2,342.74	\$246.29
3500	\$169.06	\$338.11	\$676.23	\$1,352.45	\$2,028.68	\$2,704.89	\$263.14
4000	\$194.47	\$390.39	\$829.54	\$1,653.14	\$2,476.77	\$3,300.45	\$419.18
5000	\$270.22	\$540.42	\$1,080.85	\$2,161.68	\$3,242.52	\$4,323.33	\$453.10
6000	\$284.31	\$570.06	\$1,143.10	\$2,292.05	\$3,446.85	\$4,607.48	\$483.80
7000	\$338.12	\$676.22	\$1,352.46	\$2,704.90	\$4,057.36	\$5,409.78	\$520.29

## Phased COSZone 2, FY2018

Capacity	1 <sup>□</sup> time/ month	2 <sup>□</sup> times/ month	1 <sup>□</sup> time/ week	2 <sup>□</sup> times/ week	3 <sup>□</sup> times/ week	4 <sup>□</sup> times/ week	Extra Haul
100	\$38.57	\$71.01	\$146.27	\$286.01	\$425.35	\$565.16	
150	\$40.33	\$74.46	\$154.03	\$301.88	\$449.76	\$597.68	
200	\$42.08	\$77.97	\$161.64	\$317.10	\$472.61	\$628.15	\$157.88
250	\$43.84	\$81.48	\$169.23	\$332.29	\$495.40	\$658.56	\$159.64
300	\$45.59	\$84.98	\$176.81	\$347.46	\$518.16	\$688.91	\$161.40
350	\$47.34	\$88.47	\$184.38	\$362.60	\$540.88	\$719.21	\$163.16
400	\$49.08	\$91.97	\$191.94	\$377.73	\$563.57	\$749.47	\$164.92
450	\$50.82	\$95.45	\$199.49	\$392.83	\$586.23	\$779.70	\$166.68
500	\$52.57	\$98.93	\$207.03	\$407.92	\$608.87	\$809.88	\$168.43
550	\$54.33	\$102.46	\$214.67	\$423.19	\$631.78	\$840.45	\$170.19
600	\$56.07	\$105.93	\$222.19	\$438.24	\$654.37	\$870.57	\$171.95
650	\$57.84	\$109.48	\$229.86	\$453.59	\$677.40	\$901.29	\$173.71
700	\$59.58	\$112.96	\$237.40	\$468.66	\$699.42	\$931.44	\$175.46
750	\$61.32	\$116.44	\$244.94	\$483.74	\$722.63	\$961.60	\$177.22
800	\$63.10	\$120.01	\$252.66	\$499.20	\$745.83	\$992.48	\$178.98
850	\$64.84	\$123.49	\$260.21	\$514.29	\$768.47	\$1,022.75	\$180.73
900	\$66.59	\$126.97	\$267.75	\$529.38	\$791.12	\$1,052.95	\$182.49
1000	\$70.07	\$133.94	\$282.85	\$559.58	\$836.42	\$1,113.35	\$186.00
1200	\$77.07	\$147.95	\$313.19	\$620.28	\$927.49	\$1,234.70	\$193.02
1400	\$84.08	\$161.96	\$343.53	\$680.97	\$1,018.55	\$1,356.02	\$200.04
1500	\$87.65	\$169.07	\$358.85	\$711.46	\$1,064.07	\$1,416.68	\$203.55
1750	\$96.40	\$186.86	\$396.71	\$787.19	\$1,177.67	\$1,568.15	\$212.32
2000	\$105.21	\$210.40	\$434.58	\$841.60	\$1,262.39	\$1,683.18	\$221.09
2500	\$128.74	\$257.48	\$514.96	\$1,029.91	\$1,544.87	\$2,059.81	\$238.78
3000	\$152.28	\$304.56	\$609.12	\$1,218.24	\$1,827.34	\$2,436.45	\$256.14
3500	\$175.82	\$351.63	\$703.28	\$1,406.55	\$2,109.83	\$2,813.09	\$273.67
4000	\$202.25	\$406.01	\$862.72	\$1,719.26	\$2,575.84	\$3,432.47	\$435.95
5000	\$281.03	\$562.04	\$1,124.08	\$2,248.15	\$3,372.22	\$4,496.26	\$471.23
6000	\$295.68	\$592.86	\$1,188.82	\$2,383.73	\$3,584.72	\$4,791.78	\$503.15
7000	\$351.64	\$703.27	\$1,406.56	\$2,813.10	\$4,219.65	\$5,626.17	\$541.10

# Sewer Rate Schedules

## Hauled Across the Board Increases Sewer Rate Schedules FY 2014-18

Monthly Rates, Hauled Sewer FY2014

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$11.24	\$22.47	\$44.50	\$88.99	\$133.48	\$171.13	
150	\$14.32	\$28.63	\$56.71	\$113.42	\$170.12	\$218.11	
200	\$15.37	\$30.74	\$60.90	\$121.79	\$182.70	\$234.22	\$65.95
250	\$16.42	\$32.83	\$65.04	\$130.08	\$195.12	\$250.16	\$67.20
300	\$17.48	\$34.95	\$69.23	\$138.47	\$207.70	\$266.28	\$68.45
350	\$18.53	\$37.07	\$73.42	\$146.85	\$220.26	\$282.39	\$69.70
400	\$19.59	\$39.19	\$77.62	\$155.22	\$232.84	\$298.50	\$70.95
450	\$20.65	\$41.30	\$81.81	\$163.60	\$245.40	\$314.61	\$72.20
500	\$21.70	\$43.41	\$85.99	\$171.97	\$257.96	\$330.72	\$73.45
550	\$22.75	\$45.51	\$90.14	\$180.27	\$270.40	\$346.67	\$74.68
600	\$23.81	\$47.62	\$94.33	\$188.65	\$282.97	\$362.78	\$75.94
650	\$24.87	\$49.74	\$98.52	\$197.03	\$295.54	\$378.89	\$77.19
700	\$25.92	\$51.85	\$102.70	\$205.40	\$308.10	\$395.00	\$78.43
750	\$26.99	\$53.96	\$106.89	\$213.78	\$320.67	\$411.12	\$79.68
800	\$28.04	\$56.06	\$111.04	\$222.07	\$333.10	\$427.06	\$80.93
850	\$29.09	\$58.17	\$115.23	\$230.45	\$345.68	\$443.17	\$82.17
900	\$30.15	\$60.28	\$119.41	\$238.83	\$358.24	\$459.28	\$83.42
1000	\$32.26	\$64.51	\$127.80	\$255.59	\$383.38	\$491.51	\$85.92
1200	\$36.48	\$72.95	\$144.51	\$289.01	\$433.51	\$555.78	\$90.91
1400	\$40.70	\$81.39	\$161.22	\$322.43	\$483.65	\$620.06	\$95.90
1500	\$42.81	\$85.62	\$169.60	\$339.20	\$508.79	\$652.29	\$98.40
1750	\$48.09	\$96.17	\$190.50	\$380.99	\$571.49	\$732.68	\$104.63
2000	\$53.36	\$106.72	\$211.40	\$422.80	\$634.19	\$813.07	\$110.88
2500	\$63.91	\$127.83	\$253.21	\$506.41	\$759.61	\$973.85	\$123.35
3000	\$74.47	\$148.92	\$295.01	\$590.01	\$885.01	\$1,134.63	\$135.83
3500	\$85.02	\$170.03	\$336.81	\$673.62	\$1,010.42	\$1,295.41	\$147.40
4000	\$106.72	\$213.43	\$422.80	\$845.59	\$1,268.38	\$1,626.13	\$220.85
5000	\$127.83	\$255.64	\$506.42	\$1,012.81	\$1,519.21	\$1,947.70	\$245.80
6000	\$148.93	\$297.85	\$590.02	\$1,180.03	\$1,770.03	\$2,269.26	\$270.75
7000	\$170.04	\$340.05	\$673.63	\$1,347.24	\$2,020.84	\$2,590.82	\$294.80

Monthly Rates, Hauled Sewer FY2015

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$11.80	\$23.59	\$46.73	\$93.44	\$140.16	\$179.69	
150	\$15.04	\$30.07	\$59.55	\$119.09	\$178.63	\$229.02	
200	\$16.14	\$32.28	\$63.95	\$127.88	\$191.83	\$245.93	\$69.25
250	\$17.24	\$34.48	\$68.29	\$136.59	\$204.88	\$262.67	\$70.56
300	\$18.36	\$36.70	\$72.69	\$145.39	\$218.08	\$279.59	\$71.87
350	\$19.46	\$38.92	\$77.10	\$154.19	\$231.27	\$296.51	\$73.19
400	\$20.57	\$41.15	\$81.50	\$162.98	\$244.48	\$313.43	\$74.50
450	\$21.69	\$43.36	\$85.90	\$171.78	\$257.67	\$330.34	\$75.81
500	\$22.79	\$45.58	\$90.29	\$180.57	\$270.86	\$347.26	\$77.12
550	\$23.89	\$47.78	\$94.64	\$189.29	\$283.92	\$364.00	\$78.41
600	\$25.00	\$50.00	\$99.04	\$198.08	\$297.12	\$380.92	\$79.74
650	\$26.12	\$52.23	\$103.45	\$206.88	\$310.31	\$397.83	\$81.05
700	\$27.22	\$54.44	\$107.84	\$215.67	\$323.51	\$414.75	\$82.35
750	\$28.33	\$56.66	\$112.24	\$224.47	\$336.71	\$431.68	\$83.66
800	\$29.44	\$58.86	\$116.59	\$233.17	\$349.76	\$448.41	\$84.98
850	\$30.54	\$61.08	\$120.99	\$241.98	\$362.96	\$465.33	\$86.28
900	\$31.65	\$63.29	\$125.38	\$250.77	\$376.15	\$482.24	\$87.59
1000	\$33.87	\$67.74	\$134.18	\$268.37	\$402.54	\$516.09	\$90.22
1200	\$38.30	\$76.60	\$151.73	\$303.46	\$455.19	\$583.57	\$95.46
1400	\$42.73	\$85.45	\$169.28	\$338.55	\$507.83	\$651.06	\$100.70
1500	\$44.95	\$89.90	\$178.08	\$356.16	\$534.23	\$684.90	\$103.32
1750	\$50.49	\$100.98	\$200.02	\$400.04	\$600.06	\$769.31	\$109.86
2000	\$56.03	\$112.06	\$221.97	\$443.94	\$665.90	\$853.72	\$116.42
2500	\$67.11	\$134.22	\$265.87	\$531.73	\$797.59	\$1,022.54	\$129.52
3000	\$78.19	\$156.37	\$309.76	\$619.51	\$929.26	\$1,191.36	\$142.62
3500	\$89.27	\$178.53	\$353.66	\$707.30	\$1,060.94	\$1,360.18	\$154.77
4000	\$112.06	\$224.11	\$443.94	\$887.87	\$1,331.80	\$1,707.44	\$231.89
5000	\$134.22	\$268.43	\$531.74	\$1,063.46	\$1,595.17	\$2,045.09	\$258.09
6000	\$156.38	\$312.75	\$619.52	\$1,239.03	\$1,858.53	\$2,382.72	\$284.29
7000	\$178.54	\$357.06	\$707.31	\$1,414.60	\$2,121.89	\$2,720.36	\$309.54

## Monthly Rates, Hauled Sewer FY2016

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$12.27	\$24.54	\$48.60	\$97.18	\$145.76	\$186.87	
150	\$15.64	\$31.27	\$61.93	\$123.86	\$185.77	\$238.18	
200	\$16.79	\$33.57	\$66.51	\$133.00	\$199.50	\$255.77	\$72.02
250	\$17.93	\$35.85	\$71.03	\$142.05	\$213.08	\$273.17	\$73.38
300	\$19.09	\$38.17	\$75.60	\$151.20	\$226.81	\$290.78	\$74.75
350	\$20.24	\$40.47	\$80.18	\$160.36	\$240.53	\$308.37	\$76.11
400	\$21.40	\$42.79	\$84.76	\$169.50	\$254.26	\$325.96	\$77.48
450	\$22.55	\$45.10	\$89.33	\$178.65	\$267.98	\$343.55	\$78.84
500	\$23.70	\$47.40	\$93.90	\$187.80	\$281.69	\$361.15	\$80.21
550	\$24.85	\$49.69	\$98.43	\$196.86	\$295.28	\$378.56	\$81.55
600	\$26.00	\$52.00	\$103.01	\$206.00	\$309.01	\$396.16	\$82.93
650	\$27.16	\$54.31	\$107.58	\$215.15	\$322.73	\$413.75	\$84.29
700	\$28.31	\$56.62	\$112.15	\$224.30	\$336.45	\$431.34	\$85.65
750	\$29.47	\$58.92	\$116.73	\$233.45	\$350.18	\$448.94	\$87.01
800	\$30.61	\$61.22	\$121.26	\$242.50	\$363.75	\$466.35	\$88.38
850	\$31.76	\$63.52	\$125.83	\$251.66	\$377.48	\$483.94	\$89.73
900	\$32.92	\$65.83	\$130.40	\$260.80	\$391.20	\$501.53	\$91.09
1000	\$35.22	\$70.45	\$139.55	\$279.10	\$418.65	\$536.73	\$93.82
1200	\$39.83	\$79.67	\$157.80	\$315.59	\$473.40	\$606.91	\$99.27
1400	\$44.44	\$88.87	\$176.05	\$352.09	\$528.15	\$677.11	\$104.72
1500	\$46.75	\$93.49	\$185.21	\$370.40	\$555.60	\$712.30	\$107.45
1750	\$52.51	\$105.02	\$208.02	\$416.05	\$624.07	\$800.09	\$114.26
2000	\$58.27	\$116.54	\$230.85	\$461.70	\$692.54	\$887.87	\$121.08
2500	\$69.79	\$139.59	\$276.50	\$553.00	\$829.49	\$1,063.44	\$134.70
3000	\$81.32	\$162.62	\$322.15	\$644.29	\$966.43	\$1,239.02	\$148.33
3500	\$92.84	\$185.67	\$367.80	\$735.59	\$1,103.38	\$1,414.59	\$160.96
4000	\$116.54	\$233.07	\$461.70	\$923.39	\$1,385.08	\$1,775.73	\$241.17
5000	\$139.59	\$279.16	\$553.01	\$1,105.99	\$1,658.98	\$2,126.89	\$268.41
6000	\$162.63	\$325.26	\$644.31	\$1,288.59	\$1,932.87	\$2,478.03	\$295.66
7000	\$185.68	\$371.34	\$735.60	\$1,471.18	\$2,206.76	\$2,829.18	\$321.92

Monthly Rates, Hauled Sewer FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$12.76	\$25.52	\$48.60	\$97.18	\$145.76	\$186.87	
150	\$16.27	\$32.52	\$61.93	\$123.86	\$185.77	\$238.18	
200	\$17.46	\$34.92	\$66.51	\$133.00	\$199.50	\$255.77	\$72.02
250	\$18.65	\$37.29	\$71.03	\$142.05	\$213.08	\$273.17	\$73.38
300	\$19.85	\$39.70	\$75.60	\$151.20	\$226.81	\$290.78	\$74.75
350	\$21.05	\$42.09	\$80.18	\$160.36	\$240.53	\$308.37	\$76.11
400	\$22.25	\$44.50	\$84.76	\$169.50	\$254.26	\$325.96	\$77.48
450	\$23.46	\$46.90	\$89.33	\$178.65	\$267.98	\$343.55	\$78.84
500	\$24.65	\$49.30	\$93.90	\$187.80	\$281.69	\$361.15	\$80.21
550	\$25.84	\$51.68	\$98.43	\$196.86	\$295.28	\$378.56	\$81.55
600	\$27.05	\$54.08	\$103.01	\$206.00	\$309.01	\$396.16	\$82.93
650	\$28.25	\$56.49	\$107.58	\$215.15	\$322.73	\$413.75	\$84.29
700	\$29.44	\$58.88	\$112.15	\$224.30	\$336.45	\$431.34	\$85.65
750	\$30.65	\$61.28	\$116.73	\$233.45	\$350.18	\$448.94	\$87.01
800	\$31.84	\$63.67	\$121.26	\$242.50	\$363.75	\$466.35	\$88.38
850	\$33.03	\$66.06	\$125.83	\$251.66	\$377.48	\$483.94	\$89.73
900	\$34.24	\$68.46	\$130.40	\$260.80	\$391.20	\$501.53	\$91.09
1000	\$36.63	\$73.26	\$139.55	\$279.10	\$418.65	\$536.73	\$93.82
1200	\$41.43	\$82.85	\$157.80	\$315.59	\$473.40	\$606.91	\$99.27
1400	\$46.22	\$92.43	\$176.05	\$352.09	\$528.15	\$677.11	\$104.72
1500	\$48.62	\$97.23	\$185.21	\$370.40	\$555.60	\$712.30	\$107.45
1750	\$54.61	\$109.22	\$208.02	\$416.05	\$624.07	\$800.09	\$114.26
2000	\$60.60	\$121.20	\$230.85	\$461.70	\$692.54	\$887.87	\$121.08
2500	\$72.59	\$145.17	\$276.50	\$553.00	\$829.49	\$1,063.44	\$134.70
3000	\$84.57	\$169.13	\$322.15	\$644.29	\$966.43	\$1,239.02	\$148.33
3500	\$96.55	\$193.10	\$367.80	\$735.59	\$1,103.38	\$1,414.59	\$160.96
4000	\$121.20	\$242.39	\$461.70	\$923.39	\$1,385.08	\$1,775.73	\$241.17
5000	\$145.17	\$290.33	\$553.01	\$1,105.99	\$1,658.98	\$2,126.89	\$268.41
6000	\$169.14	\$338.27	\$644.31	\$1,288.59	\$1,932.87	\$2,478.03	\$295.66
7000	\$193.11	\$386.19	\$735.60	\$1,471.18	\$2,206.76	\$2,829.18	\$321.92

## Monthly Rates, Hauled Sewer FY2018

Capacity	1 time/ month	2 times/ month	1 time/ week	2 times/ week	3 times/ week	4 times/ week	Extra Haul
100	\$13.27	\$26.54	\$50.54	\$101.07	\$151.60	\$194.35	
150	\$16.92	\$33.82	\$64.41	\$128.81	\$193.21	\$247.70	
200	\$18.16	\$36.31	\$69.17	\$138.32	\$207.49	\$266.00	\$74.90
250	\$19.40	\$38.78	\$73.87	\$147.73	\$221.60	\$284.10	\$76.32
300	\$20.65	\$41.29	\$78.63	\$157.25	\$235.88	\$302.41	\$77.74
350	\$21.89	\$43.78	\$83.39	\$166.77	\$250.15	\$320.70	\$79.16
400	\$23.14	\$46.28	\$88.15	\$176.28	\$264.43	\$339.00	\$80.58
450	\$24.39	\$48.78	\$92.91	\$185.80	\$278.69	\$357.30	\$82.00
500	\$25.63	\$51.27	\$97.65	\$195.31	\$292.96	\$375.59	\$83.42
550	\$26.87	\$53.75	\$102.37	\$204.73	\$307.09	\$393.71	\$84.81
600	\$28.13	\$56.24	\$107.13	\$214.24	\$321.37	\$412.00	\$86.24
650	\$29.38	\$58.75	\$111.89	\$223.76	\$335.64	\$430.30	\$87.66
700	\$30.62	\$61.24	\$116.63	\$233.27	\$349.90	\$448.59	\$89.07
750	\$31.87	\$63.73	\$121.39	\$242.79	\$364.18	\$466.90	\$90.49
800	\$33.11	\$66.21	\$126.11	\$252.20	\$378.30	\$485.00	\$91.91
850	\$34.35	\$68.71	\$130.87	\$261.72	\$392.58	\$503.30	\$93.32
900	\$35.61	\$71.20	\$135.61	\$271.23	\$406.84	\$521.60	\$94.74
1000	\$38.10	\$76.20	\$145.13	\$290.27	\$435.39	\$558.20	\$97.58
1200	\$43.08	\$86.17	\$164.11	\$328.22	\$492.33	\$631.19	\$103.24
1400	\$48.07	\$96.13	\$183.10	\$366.18	\$549.27	\$704.19	\$108.91
1500	\$50.56	\$101.12	\$192.61	\$385.22	\$577.82	\$740.79	\$111.75
1750	\$56.80	\$113.59	\$216.34	\$432.69	\$649.03	\$832.09	\$118.83
2000	\$63.03	\$126.05	\$240.08	\$480.17	\$720.24	\$923.39	\$125.92
2500	\$75.49	\$150.98	\$287.56	\$575.12	\$862.67	\$1,105.98	\$140.09
3000	\$87.95	\$175.89	\$335.03	\$670.07	\$1,005.09	\$1,288.58	\$154.26
3500	\$100.42	\$200.82	\$382.51	\$765.01	\$1,147.52	\$1,471.17	\$167.40
4000	\$126.05	\$252.09	\$480.17	\$960.32	\$1,440.48	\$1,846.76	\$250.81
5000	\$150.98	\$301.94	\$575.13	\$1,150.23	\$1,725.34	\$2,211.96	\$279.15
6000	\$175.90	\$351.80	\$670.08	\$1,340.13	\$2,010.19	\$2,577.15	\$307.49
7000	\$200.83	\$401.64	\$765.03	\$1,530.03	\$2,295.03	\$2,942.34	\$334.80

Hauled Sewer Rate Cost of Service Rate Schedules FY2014-18

COS Monthly Rates, Hauled Sewer FY2014

Capacity	1 time/ month	2 times/ month	1 time/ week	2 times/ week	3 times/ week	4 times/ week	Extra Haul
100	\$22.43	\$39.94	\$80.04	\$155.21	\$230.38	\$293.79	
150	\$23.38	\$41.84	\$84.11	\$163.35	\$242.59	\$309.45	
200	\$24.32	\$43.73	\$88.18	\$171.49	\$254.80	\$325.11	\$63.11
250	\$25.27	\$45.63	\$92.25	\$179.63	\$267.01	\$340.76	\$64.01
300	\$26.22	\$47.53	\$96.32	\$187.77	\$279.23	\$356.42	\$64.91
350	\$27.17	\$49.42	\$100.39	\$195.91	\$291.44	\$372.08	\$65.82
400	\$28.12	\$51.32	\$104.46	\$204.06	\$303.65	\$387.74	\$66.72
450	\$29.07	\$53.22	\$108.53	\$212.20	\$315.86	\$403.39	\$67.62
500	\$30.01	\$55.12	\$112.60	\$220.34	\$328.07	\$419.05	\$68.53
550	\$30.96	\$57.01	\$116.67	\$228.48	\$340.29	\$434.71	\$69.43
600	\$31.91	\$58.91	\$120.74	\$236.62	\$352.50	\$450.36	\$70.33
650	\$32.86	\$60.81	\$124.81	\$244.76	\$364.71	\$466.02	\$71.24
700	\$33.81	\$62.70	\$128.89	\$252.90	\$376.92	\$481.68	\$72.14
750	\$34.76	\$64.60	\$132.96	\$261.05	\$389.14	\$497.33	\$73.04
800	\$35.70	\$66.50	\$137.03	\$269.19	\$401.35	\$512.99	\$73.95
850	\$36.65	\$68.39	\$141.10	\$277.33	\$413.56	\$528.65	\$74.85
900	\$37.60	\$70.29	\$145.17	\$285.47	\$425.77	\$544.30	\$75.75
1000	\$39.50	\$74.08	\$153.31	\$301.75	\$450.20	\$575.62	\$77.56
1200	\$43.29	\$81.67	\$169.59	\$334.32	\$499.05	\$638.25	\$81.17
1400	\$47.09	\$89.26	\$185.88	\$366.89	\$547.90	\$700.87	\$84.78
1500	\$48.98	\$93.05	\$194.02	\$383.17	\$572.32	\$732.19	\$86.59
1750	\$53.73	\$102.54	\$214.37	\$423.88	\$633.38	\$810.47	\$91.11
2000	\$58.47	\$112.02	\$234.73	\$464.59	\$694.45	\$888.76	\$95.62
2500	\$67.95	\$130.99	\$275.43	\$546.00	\$816.57	\$1,045.32	\$104.66
3000	\$77.44	\$149.96	\$316.14	\$627.42	\$938.69	\$1,201.89	\$113.69
3500	\$86.92	\$168.93	\$356.85	\$708.83	\$1,060.82	\$1,358.46	\$122.72
4000	\$112.02	\$219.13	\$464.59	\$924.31	\$1,384.03	\$1,772.83	\$191.25
5000	\$130.99	\$257.07	\$546.00	\$1,087.14	\$1,628.27	\$2,085.97	\$209.31
6000	\$149.96	\$295.01	\$627.42	\$1,249.97	\$1,872.52	\$2,399.11	\$227.38
7000	\$168.93	\$332.94	\$708.83	\$1,412.80	\$2,116.77	\$2,712.24	\$245.44

## COS Monthly Rates, Hauled Sewer (FY2015)

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$23.55	\$41.94	\$84.04	\$162.97	\$241.89	\$308.48	\$0.00
150	\$24.54	\$43.93	\$88.31	\$171.51	\$254.72	\$324.92	\$0.00
200	\$25.54	\$45.92	\$92.59	\$180.06	\$267.54	\$341.36	\$66.26
250	\$26.54	\$47.91	\$96.86	\$188.61	\$280.36	\$357.80	\$67.21
300	\$27.53	\$49.90	\$101.14	\$197.16	\$293.19	\$374.24	\$68.16
350	\$28.53	\$51.90	\$105.41	\$205.71	\$306.01	\$390.68	\$69.11
400	\$29.52	\$53.89	\$109.68	\$214.26	\$318.83	\$407.12	\$70.05
450	\$30.52	\$55.88	\$113.96	\$222.81	\$331.66	\$423.56	\$71.00
500	\$31.51	\$57.87	\$118.23	\$231.36	\$344.48	\$440.00	\$71.95
550	\$32.51	\$59.86	\$122.51	\$239.90	\$357.30	\$456.44	\$72.90
600	\$33.51	\$61.85	\$126.78	\$248.45	\$370.12	\$472.88	\$73.85
650	\$34.50	\$63.85	\$131.06	\$257.00	\$382.95	\$489.32	\$74.80
700	\$35.50	\$65.84	\$135.33	\$265.55	\$395.77	\$505.76	\$75.75
750	\$36.49	\$67.83	\$139.60	\$274.10	\$408.59	\$522.20	\$76.69
800	\$37.49	\$69.82	\$143.88	\$282.65	\$421.42	\$538.64	\$77.64
850	\$38.49	\$71.81	\$148.15	\$291.20	\$434.24	\$555.08	\$78.59
900	\$39.48	\$73.81	\$152.43	\$299.74	\$447.06	\$571.52	\$79.54
1000	\$41.47	\$77.79	\$160.98	\$316.84	\$472.71	\$604.40	\$81.44
1200	\$45.46	\$85.76	\$178.07	\$351.04	\$524.00	\$670.16	\$85.23
1400	\$49.44	\$93.72	\$195.17	\$385.23	\$575.29	\$735.92	\$89.02
1500	\$51.43	\$97.71	\$203.72	\$402.33	\$600.94	\$768.80	\$90.92
1750	\$56.41	\$107.66	\$225.09	\$445.07	\$665.05	\$850.99	\$95.66
2000	\$61.39	\$117.62	\$246.46	\$487.82	\$729.17	\$933.19	\$100.40
2500	\$71.35	\$137.54	\$289.21	\$573.30	\$857.40	\$1,097.59	\$109.89
3000	\$81.31	\$157.46	\$331.95	\$658.79	\$985.63	\$1,261.99	\$119.37
3500	\$91.27	\$177.38	\$374.69	\$744.27	\$1,113.86	\$1,426.38	\$128.86
4000	\$117.62	\$230.09	\$487.82	\$970.52	\$1,453.23	\$1,861.47	\$200.81
5000	\$137.54	\$269.92	\$573.30	\$1,141.49	\$1,709.69	\$2,190.27	\$219.78
6000	\$157.46	\$309.76	\$658.79	\$1,312.47	\$1,966.15	\$2,519.06	\$238.75
7000	\$177.38	\$349.59	\$744.27	\$1,483.44	\$2,222.61	\$2,847.86	\$257.72

## COS Monthly Rates, Hauled Sewer FY2016

Capacity	1 time/ month	2 times/ month	1 time/ week	2 times/ week	3 times/ week	4 times/ week	Extra Haul
100	\$24.49	\$43.61	\$87.40	\$169.48	\$251.57	\$320.82	\$0.00
150	\$25.53	\$45.69	\$91.84	\$178.38	\$264.91	\$337.92	\$0.00
200	\$26.56	\$47.76	\$96.29	\$187.27	\$278.24	\$355.02	\$68.91
250	\$27.60	\$49.83	\$100.74	\$196.16	\$291.58	\$372.11	\$69.90
300	\$28.63	\$51.90	\$105.18	\$205.05	\$304.91	\$389.21	\$70.88
350	\$29.67	\$53.97	\$109.63	\$213.94	\$318.25	\$406.31	\$71.87
400	\$30.70	\$56.04	\$114.07	\$222.83	\$331.59	\$423.41	\$72.86
450	\$31.74	\$58.11	\$118.52	\$231.72	\$344.92	\$440.50	\$73.84
500	\$32.78	\$60.19	\$122.96	\$240.61	\$358.26	\$457.60	\$74.83
550	\$33.81	\$62.26	\$127.41	\$249.50	\$371.59	\$474.70	\$75.82
600	\$34.85	\$64.33	\$131.85	\$258.39	\$384.93	\$491.80	\$76.80
650	\$35.88	\$66.40	\$136.30	\$267.28	\$398.27	\$508.89	\$77.79
700	\$36.92	\$68.47	\$140.74	\$276.17	\$411.60	\$525.99	\$78.78
750	\$37.95	\$70.54	\$145.19	\$285.06	\$424.94	\$543.09	\$79.76
800	\$38.99	\$72.61	\$149.63	\$293.95	\$438.27	\$560.19	\$80.75
850	\$40.03	\$74.69	\$154.08	\$302.84	\$451.61	\$577.28	\$81.73
900	\$41.06	\$76.76	\$158.52	\$311.73	\$464.94	\$594.38	\$82.72
1000	\$43.13	\$80.90	\$167.41	\$329.52	\$491.62	\$628.57	\$84.69
1200	\$47.28	\$89.19	\$185.20	\$365.08	\$544.96	\$696.96	\$88.64
1400	\$51.42	\$97.47	\$202.98	\$400.64	\$598.30	\$765.35	\$92.58
1500	\$53.49	\$101.61	\$211.87	\$418.42	\$624.98	\$799.55	\$94.56
1750	\$58.67	\$111.97	\$234.09	\$462.87	\$691.66	\$885.03	\$99.49
2000	\$63.85	\$122.33	\$256.32	\$507.33	\$758.33	\$970.52	\$104.42
2500	\$74.20	\$143.04	\$300.77	\$596.23	\$891.69	\$1,141.49	\$114.29
3000	\$84.56	\$163.76	\$345.23	\$685.14	\$1,025.05	\$1,312.47	\$124.15
3500	\$94.92	\$184.47	\$389.68	\$774.05	\$1,158.41	\$1,483.44	\$134.01
4000	\$122.33	\$239.29	\$507.33	\$1,009.34	\$1,511.36	\$1,935.93	\$208.84
5000	\$143.04	\$280.72	\$596.23	\$1,187.15	\$1,778.07	\$2,277.88	\$228.57
6000	\$163.76	\$322.15	\$685.14	\$1,364.97	\$2,044.79	\$2,619.82	\$248.30
7000	\$184.47	\$363.58	\$774.05	\$1,542.78	\$2,311.51	\$2,961.77	\$268.03

## COO Monthly Rates, Hauled Sewer FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$25.47	\$45.36	\$90.90	\$176.26	\$261.63	\$333.66	\$0.00
150	\$26.55	\$47.51	\$95.52	\$185.51	\$275.50	\$351.44	\$0.00
200	\$27.62	\$49.67	\$100.14	\$194.76	\$289.37	\$369.22	\$71.67
250	\$28.70	\$51.82	\$104.76	\$204.00	\$303.24	\$387.00	\$72.69
300	\$29.78	\$53.98	\$109.39	\$213.25	\$317.11	\$404.78	\$73.72
350	\$30.86	\$56.13	\$114.01	\$222.50	\$330.98	\$422.56	\$74.75
400	\$31.93	\$58.29	\$118.63	\$231.74	\$344.85	\$440.34	\$75.77
450	\$33.01	\$60.44	\$123.26	\$240.99	\$358.72	\$458.12	\$76.80
500	\$34.09	\$62.59	\$127.88	\$250.23	\$372.59	\$475.91	\$77.82
550	\$35.16	\$64.75	\$132.50	\$259.48	\$386.46	\$493.69	\$78.85
600	\$36.24	\$66.90	\$137.13	\$268.73	\$400.33	\$511.47	\$79.87
650	\$37.32	\$69.06	\$141.75	\$277.97	\$414.20	\$529.25	\$80.90
700	\$38.40	\$71.21	\$146.37	\$287.22	\$428.07	\$547.03	\$81.93
750	\$39.47	\$73.36	\$151.00	\$296.47	\$441.93	\$564.81	\$82.95
800	\$40.55	\$75.52	\$155.62	\$305.71	\$455.80	\$582.59	\$83.98
850	\$41.63	\$77.67	\$160.24	\$314.96	\$469.67	\$600.37	\$85.00
900	\$42.70	\$79.83	\$164.87	\$324.20	\$483.54	\$618.16	\$86.03
1000	\$44.86	\$84.14	\$174.11	\$342.70	\$511.28	\$653.72	\$88.08
1200	\$49.17	\$92.75	\$192.60	\$379.68	\$566.76	\$724.84	\$92.18
1400	\$53.47	\$101.37	\$211.10	\$416.67	\$622.24	\$795.97	\$96.29
1500	\$55.63	\$105.68	\$220.34	\$435.16	\$649.97	\$831.53	\$98.34
1750	\$61.01	\$116.45	\$243.46	\$481.39	\$719.32	\$920.44	\$103.47
2000	\$66.40	\$127.22	\$266.57	\$527.62	\$788.67	\$1,009.34	\$108.60
2500	\$77.17	\$148.76	\$312.80	\$620.08	\$927.36	\$1,187.15	\$118.86
3000	\$87.94	\$170.31	\$359.04	\$712.55	\$1,066.05	\$1,364.97	\$129.11
3500	\$98.71	\$191.85	\$405.27	\$805.01	\$1,204.75	\$1,542.78	\$139.37
4000	\$127.22	\$248.86	\$527.62	\$1,049.72	\$1,571.81	\$2,013.37	\$217.20
5000	\$148.76	\$291.95	\$620.08	\$1,234.64	\$1,849.20	\$2,368.99	\$237.71
6000	\$170.31	\$335.03	\$712.55	\$1,419.56	\$2,126.58	\$2,724.62	\$258.23
7000	\$191.85	\$378.12	\$805.01	\$1,604.49	\$2,403.97	\$3,080.24	\$278.75

COO Monthly Rates, Hauled Sewer FY2018

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$26.49	\$47.17	\$94.53	\$183.31	\$272.10	\$347.00	\$0.00
150	\$27.61	\$49.41	\$99.34	\$192.93	\$286.52	\$365.49	\$0.00
200	\$28.73	\$51.65	\$104.15	\$202.55	\$300.95	\$383.99	\$74.53
250	\$29.85	\$53.90	\$108.96	\$212.16	\$315.37	\$402.48	\$75.60
300	\$30.97	\$56.14	\$113.76	\$221.78	\$329.79	\$420.97	\$76.67
350	\$32.09	\$58.38	\$118.57	\$231.40	\$344.22	\$439.46	\$77.74
400	\$33.21	\$60.62	\$123.38	\$241.01	\$358.64	\$457.96	\$78.80
450	\$34.33	\$62.86	\$128.19	\$250.63	\$373.07	\$476.45	\$79.87
500	\$35.45	\$65.10	\$133.00	\$260.24	\$387.49	\$494.94	\$80.94
550	\$36.57	\$67.34	\$137.80	\$269.86	\$401.92	\$513.43	\$82.00
600	\$37.69	\$69.58	\$142.61	\$279.48	\$416.34	\$531.93	\$83.07
650	\$38.81	\$71.82	\$147.42	\$289.09	\$430.76	\$550.42	\$84.14
700	\$39.93	\$74.06	\$152.23	\$298.71	\$445.19	\$568.91	\$85.20
750	\$41.05	\$76.30	\$157.04	\$308.32	\$459.61	\$587.40	\$86.27
800	\$42.17	\$78.54	\$161.84	\$317.94	\$474.04	\$605.90	\$87.34
850	\$43.29	\$80.78	\$166.65	\$327.56	\$488.46	\$624.39	\$88.40
900	\$44.41	\$83.02	\$171.46	\$337.17	\$502.88	\$642.88	\$89.47
1000	\$46.65	\$87.50	\$181.08	\$356.40	\$531.73	\$679.87	\$91.60
1200	\$51.13	\$96.46	\$200.31	\$394.87	\$589.43	\$753.84	\$95.87
1400	\$55.61	\$105.43	\$219.54	\$433.33	\$647.13	\$827.81	\$100.14
1500	\$57.85	\$109.91	\$229.16	\$452.56	\$675.97	\$864.79	\$102.27
1750	\$63.46	\$121.11	\$253.20	\$500.65	\$748.09	\$957.25	\$107.61
2000	\$69.06	\$132.31	\$277.24	\$548.73	\$820.21	\$1,049.72	\$112.94
2500	\$80.26	\$154.71	\$325.32	\$644.89	\$964.46	\$1,234.64	\$123.61
3000	\$91.46	\$177.12	\$373.40	\$741.05	\$1,108.70	\$1,419.56	\$134.28
3500	\$102.66	\$199.52	\$421.48	\$837.21	\$1,252.94	\$1,604.49	\$144.95
4000	\$132.31	\$258.82	\$548.73	\$1,091.70	\$1,634.68	\$2,093.90	\$225.88
5000	\$154.71	\$303.63	\$644.89	\$1,284.03	\$1,923.16	\$2,463.75	\$247.22
6000	\$177.12	\$348.44	\$741.05	\$1,476.35	\$2,211.65	\$2,833.60	\$268.56
7000	\$199.52	\$393.24	\$837.21	\$1,668.67	\$2,500.13	\$3,203.45	\$289.90

## Hauled Sewer Rates: Phased Cost of Service Rate Schedules FY 2014-2018

□  
 Phased COS FY2014 □

Capacity □	1 □ time/month □	2 □ times/month □	1 □ time/week □	2 □ times/week □	3 □ times/week □	4 □ times/week □	Extra □ Haul □
100	\$13.29	\$25.82	\$51.66	\$102.51	\$153.36	\$202.22	
150	\$16.11	\$31.33	\$62.73	\$124.55	\$186.35	\$245.74	
200	\$17.16	\$33.42	\$66.97	\$132.99	\$199.02	\$262.45	\$67.34
250	\$18.20	\$35.48	\$71.15	\$141.35	\$211.55	\$278.99	\$68.53
300	\$19.25	\$37.57	\$75.37	\$149.78	\$224.18	\$295.67	\$69.73
350	\$20.30	\$39.64	\$79.59	\$158.20	\$236.80	\$312.33	\$70.93
400	\$21.34	\$41.72	\$83.80	\$166.60	\$249.41	\$328.97	\$72.13
450	\$22.39	\$43.79	\$88.01	\$175.01	\$262.01	\$345.60	\$73.32
500	\$23.42	\$45.86	\$92.20	\$183.40	\$274.60	\$362.22	\$74.52
550	\$24.46	\$47.92	\$96.37	\$191.73	\$287.08	\$378.70	\$75.70
600	\$25.50	\$49.98	\$100.57	\$200.12	\$299.67	\$395.31	\$76.91
650	\$26.54	\$52.05	\$104.77	\$208.51	\$312.24	\$411.91	\$78.10
700	\$27.57	\$54.11	\$108.96	\$216.88	\$324.80	\$428.50	\$79.29
750	\$28.61	\$56.17	\$113.15	\$225.27	\$337.37	\$445.09	\$80.49
800	\$29.64	\$58.22	\$117.31	\$233.57	\$349.83	\$461.54	\$81.68
850	\$30.67	\$60.28	\$121.51	\$241.95	\$362.39	\$478.12	\$82.87
900	\$31.71	\$62.34	\$125.69	\$250.32	\$374.94	\$494.69	\$84.06
1000	\$33.77	\$66.46	\$134.07	\$267.06	\$400.04	\$527.83	\$86.46
1200	\$37.89	\$74.68	\$150.77	\$300.44	\$450.12	\$593.93	\$91.23
1400	\$42.01	\$82.89	\$167.46	\$333.81	\$500.17	\$660.01	\$96.00
1500	\$44.06	\$87.00	\$175.82	\$350.53	\$525.23	\$693.11	\$98.40
1750	\$49.20	\$97.26	\$196.67	\$392.23	\$587.78	\$775.68	\$104.63
2000	\$54.33	\$107.51	\$217.53	\$433.92	\$650.30	\$858.23	\$110.88
2500	\$64.59	\$128.00	\$259.21	\$517.26	\$775.32	\$1,023.28	\$123.35
3000	\$74.84	\$148.47	\$300.87	\$600.58	\$900.29	\$1,188.29	\$135.83
3500	\$85.08	\$168.94	\$342.53	\$683.89	\$1,025.24	\$1,353.26	\$147.40
4000	\$107.51	\$213.82	\$433.92	\$866.69	\$1,299.46	\$1,715.33	\$220.85
5000	\$128.00	\$254.78	\$517.27	\$1,033.37	\$1,549.47	\$2,045.42	\$245.80
6000	\$148.48	\$295.72	\$600.59	\$1,200.00	\$1,799.41	\$2,375.42	\$270.75
7000	\$168.95	\$336.65	\$683.90	\$1,366.60	\$2,049.31	\$2,705.35	\$294.80

## Phased COS, FY2015

Capacity	1 time/ month	2 times/ month	1 time/ week	2 times/ week	3 times/ week	4 times/ week	Extra Haul
100	\$16.51	\$31.16	\$62.37	\$122.81	\$183.25	\$238.95	
150	\$19.03	\$36.00	\$72.17	\$142.24	\$212.29	\$276.86	
200	\$20.11	\$38.14	\$76.58	\$151.02	\$225.46	\$294.07	\$68.75
250	\$21.19	\$40.26	\$80.94	\$159.74	\$238.52	\$311.15	\$69.89
300	\$22.27	\$42.39	\$85.33	\$168.50	\$251.65	\$328.31	\$71.04
350	\$23.34	\$44.51	\$89.72	\$177.25	\$264.76	\$345.44	\$72.18
400	\$24.41	\$46.64	\$94.09	\$185.98	\$277.86	\$362.55	\$73.32
450	\$25.48	\$48.76	\$98.47	\$194.70	\$290.94	\$379.65	\$74.46
500	\$26.54	\$50.87	\$102.83	\$203.42	\$304.00	\$396.73	\$75.60
550	\$27.60	\$52.97	\$107.16	\$212.08	\$316.98	\$413.70	\$76.74
600	\$28.67	\$55.08	\$111.52	\$220.78	\$330.04	\$430.76	\$77.88
650	\$29.73	\$57.19	\$115.88	\$229.48	\$343.08	\$447.80	\$79.02
700	\$30.79	\$59.30	\$120.23	\$238.17	\$356.11	\$464.84	\$80.16
750	\$31.85	\$61.40	\$124.58	\$246.86	\$369.14	\$481.88	\$81.30
800	\$32.90	\$63.50	\$128.90	\$255.50	\$382.09	\$498.80	\$82.44
850	\$33.96	\$65.60	\$133.25	\$264.18	\$395.11	\$515.82	\$83.57
900	\$35.01	\$67.70	\$137.59	\$272.86	\$408.12	\$532.83	\$84.71
1000	\$37.12	\$71.90	\$146.27	\$290.21	\$434.14	\$566.84	\$86.99
1200	\$41.33	\$80.28	\$163.59	\$324.82	\$486.05	\$634.71	\$91.55
1400	\$45.53	\$88.64	\$180.90	\$359.41	\$537.93	\$702.53	\$96.09
1500	\$47.62	\$92.83	\$189.56	\$376.73	\$563.90	\$736.48	\$98.40
1750	\$52.86	\$103.27	\$211.17	\$419.94	\$628.71	\$821.21	\$104.63
2000	\$58.09	\$113.71	\$232.78	\$463.14	\$693.49	\$905.91	\$110.88
2500	\$68.54	\$134.58	\$275.97	\$549.49	\$823.00	\$1,075.23	\$123.35
3000	\$78.97	\$155.42	\$319.13	\$635.80	\$952.46	\$1,244.48	\$135.83
3500	\$89.40	\$176.26	\$362.28	\$722.09	\$1,081.89	\$1,413.69	\$147.40
4000	\$113.71	\$224.91	\$463.14	\$923.85	\$1,384.55	\$1,809.42	\$220.85
5000	\$134.58	\$266.61	\$549.49	\$1,096.52	\$1,643.55	\$2,148.04	\$245.80
6000	\$155.42	\$308.28	\$635.81	\$1,269.13	\$1,902.46	\$2,486.54	\$270.75
7000	\$176.26	\$349.94	\$722.09	\$1,441.70	\$2,161.30	\$2,824.95	\$294.80

## Phased COS, FY 2016

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$20.51	\$37.59	\$75.29	\$147.13	\$218.96	\$282.36	
150	\$22.48	\$41.36	\$83.03	\$162.44	\$241.84	\$311.93	
200	\$23.57	\$43.52	\$87.57	\$171.50	\$255.43	\$329.51	\$70.19
250	\$24.66	\$45.67	\$92.09	\$180.52	\$268.94	\$347.01	\$71.28
300	\$25.75	\$47.83	\$96.62	\$189.56	\$282.49	\$364.54	\$72.37
350	\$26.83	\$49.99	\$101.14	\$198.59	\$296.02	\$382.06	\$73.45
400	\$27.92	\$52.14	\$105.65	\$207.60	\$309.55	\$399.56	\$74.54
450	\$29.00	\$54.28	\$110.17	\$216.61	\$323.05	\$417.04	\$75.62
500	\$30.08	\$56.43	\$114.67	\$225.61	\$336.55	\$434.52	\$76.71
550	\$31.16	\$58.57	\$119.16	\$234.59	\$350.00	\$451.93	\$77.79
600	\$32.23	\$60.70	\$123.66	\$243.58	\$363.49	\$469.38	\$78.87
650	\$33.31	\$62.85	\$128.16	\$252.57	\$376.96	\$486.83	\$79.96
700	\$34.38	\$64.98	\$132.66	\$261.55	\$390.43	\$504.26	\$81.04
750	\$35.46	\$67.12	\$137.15	\$270.53	\$403.90	\$521.70	\$82.12
800	\$36.53	\$69.25	\$141.63	\$279.48	\$417.32	\$539.07	\$83.21
850	\$37.60	\$71.38	\$146.12	\$288.45	\$430.78	\$556.49	\$84.29
900	\$38.67	\$73.51	\$150.61	\$297.42	\$444.23	\$573.91	\$85.37
1000	\$40.81	\$77.78	\$159.58	\$315.36	\$471.13	\$608.73	\$87.54
1200	\$45.08	\$86.29	\$177.51	\$351.18	\$524.86	\$678.28	\$91.86
1400	\$49.34	\$94.79	\$195.41	\$386.98	\$578.55	\$747.79	\$96.19
1500	\$51.47	\$99.05	\$204.37	\$404.89	\$605.41	\$782.56	\$98.40
1750	\$56.79	\$109.66	\$226.74	\$449.62	\$672.49	\$869.41	\$104.63
2000	\$62.11	\$120.28	\$249.10	\$494.33	\$739.55	\$956.23	\$110.88
2500	\$72.73	\$141.49	\$293.81	\$583.72	\$873.63	\$1,129.80	\$123.35
3000	\$83.34	\$162.69	\$338.50	\$673.08	\$1,007.66	\$1,303.33	\$135.83
3500	\$93.94	\$183.89	\$383.17	\$762.42	\$1,141.67	\$1,476.83	\$147.40
4000	\$120.28	\$236.59	\$494.33	\$984.77	\$1,475.21	\$1,908.67	\$220.85
5000	\$141.49	\$278.99	\$583.72	\$1,163.53	\$1,743.35	\$2,255.81	\$245.80
6000	\$162.69	\$321.38	\$673.08	\$1,342.24	\$2,011.40	\$2,602.86	\$270.75
7000	\$183.89	\$363.76	\$762.42	\$1,520.92	\$2,279.41	\$2,949.84	\$294.80

## Phased COS, FY2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$25.47	\$45.36	\$90.90	\$176.26	\$261.63	\$333.66	
150	\$26.55	\$47.51	\$95.52	\$185.51	\$275.50	\$351.44	
200	\$27.62	\$49.67	\$100.14	\$194.76	\$289.37	\$369.22	\$71.67
250	\$28.70	\$51.82	\$104.76	\$204.00	\$303.24	\$387.00	\$72.69
300	\$29.78	\$53.98	\$109.39	\$213.25	\$317.11	\$404.78	\$73.72
350	\$30.86	\$56.13	\$114.01	\$222.50	\$330.98	\$422.56	\$74.75
400	\$31.93	\$58.29	\$118.63	\$231.74	\$344.85	\$440.34	\$75.77
450	\$33.01	\$60.44	\$123.26	\$240.99	\$358.72	\$458.12	\$76.80
500	\$34.09	\$62.59	\$127.88	\$250.23	\$372.59	\$475.91	\$77.82
550	\$35.16	\$64.75	\$132.50	\$259.48	\$386.46	\$493.69	\$78.85
600	\$36.24	\$66.90	\$137.13	\$268.73	\$400.33	\$511.47	\$79.87
650	\$37.32	\$69.06	\$141.75	\$277.97	\$414.20	\$529.25	\$80.90
700	\$38.40	\$71.21	\$146.37	\$287.22	\$428.07	\$547.03	\$81.93
750	\$39.47	\$73.36	\$151.00	\$296.47	\$441.93	\$564.81	\$82.95
800	\$40.55	\$75.52	\$155.62	\$305.71	\$455.80	\$582.59	\$83.98
850	\$41.63	\$77.67	\$160.24	\$314.96	\$469.67	\$600.37	\$85.00
900	\$42.70	\$79.83	\$164.87	\$324.20	\$483.54	\$618.16	\$86.03
1000	\$44.86	\$84.14	\$174.11	\$342.70	\$511.28	\$653.72	\$88.08
1200	\$49.17	\$92.75	\$192.60	\$379.68	\$566.76	\$724.84	\$92.18
1400	\$53.47	\$101.37	\$211.10	\$416.67	\$622.24	\$795.97	\$96.29
1500	\$55.63	\$105.68	\$220.34	\$435.16	\$649.97	\$831.53	\$98.40
1750	\$61.01	\$116.45	\$243.46	\$481.39	\$719.32	\$920.44	\$104.63
2000	\$66.40	\$127.22	\$266.57	\$527.62	\$788.67	\$1,009.34	\$110.88
2500	\$77.17	\$148.76	\$312.80	\$620.08	\$927.36	\$1,187.15	\$123.35
3000	\$87.94	\$170.31	\$359.04	\$712.55	\$1,066.05	\$1,364.97	\$135.83
3500	\$98.71	\$191.85	\$405.27	\$805.01	\$1,204.75	\$1,542.78	\$147.40
4000	\$127.22	\$248.86	\$527.62	\$1,049.72	\$1,571.81	\$2,013.37	\$220.85
5000	\$148.76	\$291.95	\$620.08	\$1,234.64	\$1,849.20	\$2,368.99	\$245.80
6000	\$170.31	\$335.03	\$712.55	\$1,419.56	\$2,126.58	\$2,724.62	\$270.75
7000	\$191.85	\$378.12	\$805.01	\$1,604.49	\$2,403.97	\$3,080.24	\$294.80

## Phased COS (FY 2018)

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$26.49	\$47.17	\$94.53	\$183.31	\$272.10	\$347.00	
150	\$27.61	\$49.41	\$99.34	\$192.93	\$286.52	\$365.49	
200	\$28.73	\$51.65	\$104.15	\$202.55	\$300.95	\$383.99	\$74.53
250	\$29.85	\$53.90	\$108.96	\$212.16	\$315.37	\$402.48	\$75.60
300	\$30.97	\$56.14	\$113.76	\$221.78	\$329.79	\$420.97	\$76.67
350	\$32.09	\$58.38	\$118.57	\$231.40	\$344.22	\$439.46	\$77.74
400	\$33.21	\$60.62	\$123.38	\$241.01	\$358.64	\$457.96	\$78.80
450	\$34.33	\$62.86	\$128.19	\$250.63	\$373.07	\$476.45	\$79.87
500	\$35.45	\$65.10	\$133.00	\$260.24	\$387.49	\$494.94	\$80.94
550	\$36.57	\$67.34	\$137.80	\$269.86	\$401.92	\$513.43	\$82.00
600	\$37.69	\$69.58	\$142.61	\$279.48	\$416.34	\$531.93	\$83.07
650	\$38.81	\$71.82	\$147.42	\$289.09	\$430.76	\$550.42	\$84.14
700	\$39.93	\$74.06	\$152.23	\$298.71	\$445.19	\$568.91	\$85.20
750	\$41.05	\$76.30	\$157.04	\$308.32	\$459.61	\$587.40	\$86.27
800	\$42.17	\$78.54	\$161.84	\$317.94	\$474.04	\$605.90	\$87.34
850	\$43.29	\$80.78	\$166.65	\$327.56	\$488.46	\$624.39	\$88.40
900	\$44.41	\$83.02	\$171.46	\$337.17	\$502.88	\$642.88	\$89.47
1000	\$46.65	\$87.50	\$181.08	\$356.40	\$531.73	\$679.87	\$91.60
1200	\$51.13	\$96.46	\$200.31	\$394.87	\$589.43	\$753.84	\$95.87
1400	\$55.61	\$105.43	\$219.54	\$433.33	\$647.13	\$827.81	\$100.14
1500	\$57.85	\$109.91	\$229.16	\$452.56	\$675.97	\$864.79	\$102.34
1750	\$63.46	\$121.11	\$253.20	\$500.65	\$748.09	\$957.25	\$108.82
2000	\$69.06	\$132.31	\$277.24	\$548.73	\$820.21	\$1,049.72	\$115.32
2500	\$80.26	\$154.71	\$325.32	\$644.89	\$964.46	\$1,234.64	\$128.28
3000	\$91.46	\$177.12	\$373.40	\$741.05	\$1,108.70	\$1,419.56	\$141.26
3500	\$102.66	\$199.52	\$421.48	\$837.21	\$1,252.94	\$1,604.49	\$153.30
4000	\$132.31	\$258.82	\$548.73	\$1,091.70	\$1,634.68	\$2,093.90	\$229.68
5000	\$154.71	\$303.63	\$644.89	\$1,284.03	\$1,923.16	\$2,463.75	\$255.63
6000	\$177.12	\$348.44	\$741.05	\$1,476.35	\$2,211.65	\$2,833.60	\$281.58
7000	\$199.52	\$393.24	\$837.21	\$1,668.67	\$2,500.13	\$3,203.45	\$306.59



# **Cost of Service Rates**

received from

Kurt Playstead, CH2M HILL

on April 1, 2014

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## City of Bethel

### Cost of Service Hauled Water Rates, 2 Zone

#### COS Monthly Rates Zone 1, Hauled Water FY2014

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$18.71	\$32.58	\$64.95	\$125.07	\$185.19	\$245.30	
150	\$20.05	\$35.26	\$70.77	\$136.70	\$202.63	\$268.57	
200	\$21.39	\$37.95	\$76.58	\$148.33	\$220.08	\$291.83	\$66.15
250	\$22.73	\$40.63	\$82.40	\$159.97	\$237.53	\$315.10	\$67.49
300	\$24.08	\$43.32	\$88.22	\$171.60	\$254.98	\$338.36	\$68.83
350	\$25.42	\$46.00	\$94.03	\$183.23	\$272.43	\$361.63	\$70.17
400	\$26.76	\$48.69	\$99.85	\$194.86	\$289.88	\$384.89	\$71.52
450	\$28.10	\$51.37	\$105.66	\$206.49	\$307.32	\$408.15	\$72.86
500	\$29.44	\$54.06	\$111.48	\$218.13	\$324.77	\$431.42	\$74.20
550	\$30.79	\$56.74	\$117.30	\$229.76	\$342.22	\$454.68	\$75.54
600	\$32.13	\$59.42	\$123.11	\$241.39	\$359.67	\$477.95	\$76.88
650	\$33.47	\$62.11	\$128.93	\$253.02	\$377.12	\$501.21	\$78.23
700	\$34.81	\$64.79	\$134.74	\$264.65	\$394.56	\$524.47	\$79.57
750	\$36.16	\$67.48	\$140.56	\$276.29	\$412.01	\$547.74	\$80.91
800	\$37.50	\$70.16	\$146.38	\$287.92	\$429.46	\$571.00	\$82.25
850	\$38.84	\$72.85	\$152.19	\$299.55	\$446.91	\$594.27	\$83.60
900	\$40.18	\$75.53	\$158.01	\$311.18	\$464.36	\$617.53	\$84.94
1000	\$42.87	\$80.90	\$169.64	\$334.45	\$499.25	\$664.06	\$87.62
1200	\$48.23	\$91.64	\$192.90	\$380.98	\$569.05	\$757.12	\$92.99
1400	\$53.60	\$102.37	\$216.17	\$427.50	\$638.84	\$850.17	\$98.36
1500	\$56.29	\$107.74	\$227.80	\$450.77	\$673.73	\$896.70	\$101.04
1750	\$63.00	\$121.16	\$256.88	\$508.93	\$760.98	\$1,013.02	\$107.75
2000	\$69.71	\$134.59	\$285.96	\$567.09	\$848.22	\$1,129.34	\$114.47
2500	\$83.13	\$161.43	\$344.12	\$683.41	\$1,022.70	\$1,361.99	\$127.89
3000	\$96.55	\$188.27	\$402.28	\$799.73	\$1,197.18	\$1,594.63	\$141.31
3500	\$109.97	\$215.12	\$460.44	\$916.05	\$1,371.66	\$1,827.27	\$154.73
4000	\$134.59	\$264.34	\$567.09	\$1,129.34	\$1,691.60	\$2,253.85	\$224.10
5000	\$161.43	\$318.02	\$683.41	\$1,361.99	\$2,040.56	\$2,719.14	\$250.94
6000	\$188.27	\$371.71	\$799.73	\$1,594.63	\$2,389.53	\$3,184.42	\$277.78
7000	\$215.12	\$425.40	\$916.05	\$1,827.27	\$2,738.49	\$3,649.71	\$304.63

**COS Monthly Rates Zone 1, Hauled Water FY2015**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$20.20	\$35.19	\$70.15	\$135.07	\$200.00	\$264.93	
150	\$21.65	\$38.09	\$76.43	\$147.64	\$218.85	\$290.05	
200	\$23.10	\$40.99	\$82.71	\$160.20	\$237.69	\$315.18	\$71.44
250	\$24.55	\$43.88	\$88.99	\$172.76	\$256.53	\$340.30	\$72.89
300	\$26.00	\$46.78	\$95.27	\$185.33	\$275.38	\$365.43	\$74.34
350	\$27.45	\$49.68	\$101.55	\$197.89	\$294.22	\$390.56	\$75.79
400	\$28.90	\$52.58	\$107.84	\$210.45	\$313.07	\$415.68	\$77.24
450	\$30.35	\$55.48	\$114.12	\$223.01	\$331.91	\$440.81	\$78.69
500	\$31.80	\$58.38	\$120.40	\$235.58	\$350.75	\$465.93	\$80.14
550	\$33.25	\$61.28	\$126.68	\$248.14	\$369.60	\$491.06	\$81.59
600	\$34.70	\$64.18	\$132.96	\$260.70	\$388.44	\$516.18	\$83.04
650	\$36.15	\$67.08	\$139.24	\$273.26	\$407.29	\$541.31	\$84.48
700	\$37.60	\$69.98	\$145.52	\$285.83	\$426.13	\$566.43	\$85.93
750	\$39.05	\$72.87	\$151.80	\$298.39	\$444.97	\$591.56	\$87.38
800	\$40.50	\$75.77	\$158.09	\$310.95	\$463.82	\$616.68	\$88.83
850	\$41.95	\$78.67	\$164.37	\$323.51	\$482.66	\$641.81	\$90.28
900	\$43.40	\$81.57	\$170.65	\$336.08	\$501.51	\$666.93	\$91.73
1000	\$46.30	\$87.37	\$183.21	\$361.20	\$539.19	\$717.18	\$94.63
1200	\$52.09	\$98.97	\$208.34	\$411.45	\$614.57	\$817.69	\$100.43
1400	\$57.89	\$110.56	\$233.46	\$461.70	\$689.95	\$918.19	\$106.23
1500	\$60.79	\$116.36	\$246.02	\$486.83	\$727.63	\$968.44	\$109.13
1750	\$68.04	\$130.86	\$277.43	\$549.64	\$821.85	\$1,094.06	\$116.37
2000	\$75.29	\$145.35	\$308.84	\$612.46	\$916.07	\$1,219.69	\$123.62
2500	\$89.78	\$174.34	\$371.65	\$738.08	\$1,104.51	\$1,470.95	\$138.12
3000	\$104.28	\$203.33	\$434.47	\$863.71	\$1,292.95	\$1,722.20	\$152.61
3500	\$118.77	\$232.32	\$497.28	\$989.34	\$1,481.39	\$1,973.45	\$167.11
4000	\$145.35	\$285.48	\$612.46	\$1,219.69	\$1,826.93	\$2,434.16	\$242.02
5000	\$174.34	\$343.46	\$738.08	\$1,470.95	\$2,203.81	\$2,936.67	\$271.02
6000	\$203.33	\$401.45	\$863.71	\$1,722.20	\$2,580.69	\$3,439.18	\$300.01
7000	\$232.32	\$459.43	\$989.34	\$1,973.45	\$2,957.57	\$3,941.68	\$329.00

**COS Monthly Rates Zone 1, Hauled Water FY2016**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$21.82	\$38.00	\$75.76	\$145.88	\$216.00	\$286.12	
150	\$23.39	\$41.13	\$82.54	\$159.45	\$236.35	\$313.26	
200	\$24.95	\$44.26	\$89.33	\$173.02	\$256.70	\$340.39	\$77.15
250	\$26.52	\$47.39	\$96.11	\$186.58	\$277.06	\$367.53	\$78.72
300	\$28.08	\$50.53	\$102.89	\$200.15	\$297.41	\$394.66	\$80.29
350	\$29.65	\$53.66	\$109.68	\$213.72	\$317.76	\$421.80	\$81.85
400	\$31.21	\$56.79	\$116.46	\$227.29	\$338.11	\$448.93	\$83.42
450	\$32.78	\$59.92	\$123.25	\$240.85	\$358.46	\$476.07	\$84.98
500	\$34.34	\$63.05	\$130.03	\$254.42	\$378.81	\$503.21	\$86.55
550	\$35.91	\$66.18	\$136.81	\$267.99	\$399.17	\$530.34	\$88.11
600	\$37.48	\$69.31	\$143.60	\$281.56	\$419.52	\$557.48	\$89.68
650	\$39.04	\$72.44	\$150.38	\$295.13	\$439.87	\$584.61	\$91.24
700	\$40.61	\$75.57	\$157.17	\$308.69	\$460.22	\$611.75	\$92.81
750	\$42.17	\$78.70	\$163.95	\$322.26	\$480.57	\$638.88	\$94.37
800	\$43.74	\$81.84	\$170.73	\$335.83	\$500.92	\$666.02	\$95.94
850	\$45.30	\$84.97	\$177.52	\$349.40	\$521.27	\$693.15	\$97.51
900	\$46.87	\$88.10	\$184.30	\$362.96	\$541.63	\$720.29	\$99.07
1000	\$50.00	\$94.36	\$197.87	\$390.10	\$582.33	\$774.56	\$102.20
1200	\$56.26	\$106.88	\$225.00	\$444.37	\$663.74	\$883.10	\$108.46
1400	\$62.52	\$119.41	\$252.14	\$498.64	\$745.14	\$991.64	\$114.73
1500	\$65.65	\$125.67	\$265.71	\$525.78	\$785.84	\$1,045.91	\$117.86
1750	\$73.48	\$141.32	\$299.63	\$593.61	\$887.60	\$1,181.59	\$125.68
2000	\$81.31	\$156.98	\$333.55	\$661.45	\$989.36	\$1,317.27	\$133.51
2500	\$96.96	\$188.29	\$401.38	\$797.13	\$1,192.88	\$1,588.62	\$149.17
3000	\$112.62	\$219.60	\$469.22	\$932.81	\$1,396.39	\$1,859.97	\$164.82
3500	\$128.27	\$250.91	\$537.06	\$1,068.48	\$1,599.91	\$2,131.33	\$180.48
4000	\$156.98	\$308.32	\$661.45	\$1,317.27	\$1,973.08	\$2,628.90	\$261.39
5000	\$188.29	\$370.94	\$797.13	\$1,588.62	\$2,380.11	\$3,171.60	\$292.70
6000	\$219.60	\$433.56	\$932.81	\$1,859.97	\$2,787.14	\$3,714.31	\$324.01
7000	\$250.91	\$496.18	\$1,068.48	\$2,131.33	\$3,194.17	\$4,257.02	\$355.32

**COS Monthly Rates Zone 1, Hauled Water FY2017**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$22.69	\$39.52	\$78.79	\$151.72	\$224.64	\$297.57	
150	\$24.32	\$42.78	\$85.84	\$165.83	\$245.81	\$325.79	
200	\$25.95	\$46.03	\$92.90	\$179.94	\$266.97	\$354.01	\$80.24
250	\$27.58	\$49.29	\$99.96	\$194.05	\$288.14	\$382.23	\$81.87
300	\$29.21	\$52.55	\$107.01	\$208.16	\$309.30	\$410.45	\$83.50
350	\$30.83	\$55.80	\$114.07	\$222.27	\$330.47	\$438.67	\$85.12
400	\$32.46	\$59.06	\$121.12	\$236.38	\$351.64	\$466.89	\$86.75
450	\$34.09	\$62.32	\$128.18	\$250.49	\$372.80	\$495.11	\$88.38
500	\$35.72	\$65.57	\$135.23	\$264.60	\$393.97	\$523.33	\$90.01
550	\$37.35	\$68.83	\$142.29	\$278.71	\$415.13	\$551.55	\$91.64
600	\$38.97	\$72.08	\$149.34	\$292.82	\$436.30	\$579.78	\$93.27
650	\$40.60	\$75.34	\$156.40	\$306.93	\$457.46	\$608.00	\$94.89
700	\$42.23	\$78.60	\$163.45	\$321.04	\$478.63	\$636.22	\$96.52
750	\$43.86	\$81.85	\$170.51	\$335.15	\$499.79	\$664.44	\$98.15
800	\$45.49	\$85.11	\$177.56	\$349.26	\$520.96	\$692.66	\$99.78
850	\$47.11	\$88.37	\$184.62	\$363.37	\$542.13	\$720.88	\$101.41
900	\$48.74	\$91.62	\$191.67	\$377.48	\$563.29	\$749.10	\$103.03
1000	\$52.00	\$98.13	\$205.78	\$405.70	\$605.62	\$805.54	\$106.29
1200	\$58.51	\$111.16	\$234.00	\$462.14	\$690.28	\$918.42	\$112.80
1400	\$65.02	\$124.18	\$262.22	\$518.59	\$774.95	\$1,031.31	\$119.32
1500	\$68.28	\$130.70	\$276.34	\$546.81	\$817.28	\$1,087.75	\$122.57
1750	\$76.42	\$146.98	\$311.61	\$617.36	\$923.11	\$1,228.85	\$130.71
2000	\$84.56	\$163.26	\$346.89	\$687.91	\$1,028.93	\$1,369.96	\$138.85
2500	\$100.84	\$195.82	\$417.44	\$829.01	\$1,240.59	\$1,652.17	\$155.13
3000	\$117.12	\$228.38	\$487.99	\$970.12	\$1,452.25	\$1,934.37	\$171.42
3500	\$133.41	\$260.95	\$558.54	\$1,111.22	\$1,663.90	\$2,216.58	\$187.70
4000	\$163.26	\$320.65	\$687.91	\$1,369.96	\$2,052.00	\$2,734.05	\$271.84
5000	\$195.82	\$385.78	\$829.01	\$1,652.17	\$2,475.32	\$3,298.47	\$304.40
6000	\$228.38	\$450.90	\$970.12	\$1,934.37	\$2,898.63	\$3,862.88	\$336.97
7000	\$260.95	\$516.03	\$1,111.22	\$2,216.58	\$3,321.94	\$4,427.30	\$369.53

**COS Monthly Rates Zone 1, Hauled Water FY2018**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$23.60	\$41.10	\$81.94	\$157.78	\$233.63	\$309.47	
150	\$25.29	\$44.49	\$89.28	\$172.46	\$255.64	\$338.82	
200	\$26.99	\$47.88	\$96.62	\$187.13	\$277.65	\$368.17	\$83.45
250	\$28.68	\$51.26	\$103.95	\$201.81	\$299.66	\$397.52	\$85.14
300	\$30.37	\$54.65	\$111.29	\$216.48	\$321.68	\$426.87	\$86.84
350	\$32.07	\$58.04	\$118.63	\$231.16	\$343.69	\$456.22	\$88.53
400	\$33.76	\$61.42	\$125.97	\$245.83	\$365.70	\$485.57	\$90.22
450	\$35.45	\$64.81	\$133.30	\$260.51	\$387.71	\$514.92	\$91.92
500	\$37.15	\$68.19	\$140.64	\$275.18	\$409.72	\$544.27	\$93.61
550	\$38.84	\$71.58	\$147.98	\$289.86	\$431.74	\$573.62	\$95.30
600	\$40.53	\$74.97	\$155.32	\$304.53	\$453.75	\$602.97	\$97.00
650	\$42.23	\$78.35	\$162.65	\$319.21	\$475.76	\$632.32	\$98.69
700	\$43.92	\$81.74	\$169.99	\$333.88	\$497.77	\$661.67	\$100.38
750	\$45.61	\$85.13	\$177.33	\$348.56	\$519.79	\$691.02	\$102.08
800	\$47.31	\$88.51	\$184.66	\$363.23	\$541.80	\$720.36	\$103.77
850	\$49.00	\$91.90	\$192.00	\$377.91	\$563.81	\$749.71	\$105.46
900	\$50.69	\$95.29	\$199.34	\$392.58	\$585.82	\$779.06	\$107.16
1000	\$54.08	\$102.06	\$214.01	\$421.93	\$629.85	\$837.76	\$110.54
1200	\$60.85	\$115.61	\$243.36	\$480.63	\$717.90	\$955.16	\$117.31
1400	\$67.62	\$129.15	\$272.71	\$539.33	\$805.94	\$1,072.56	\$124.09
1500	\$71.01	\$135.92	\$287.39	\$568.68	\$849.97	\$1,131.26	\$127.47
1750	\$79.48	\$152.86	\$324.08	\$642.05	\$960.03	\$1,278.01	\$135.94
2000	\$87.94	\$169.79	\$360.76	\$715.43	\$1,070.09	\$1,424.76	\$144.41
2500	\$104.88	\$203.65	\$434.14	\$862.18	\$1,290.21	\$1,718.25	\$161.34
3000	\$121.81	\$237.52	\$507.51	\$1,008.92	\$1,510.34	\$2,011.75	\$178.27
3500	\$138.74	\$271.38	\$580.88	\$1,155.67	\$1,730.46	\$2,305.24	\$195.20
4000	\$169.79	\$333.48	\$715.43	\$1,424.76	\$2,134.08	\$2,843.41	\$282.72
5000	\$203.65	\$401.21	\$862.18	\$1,718.25	\$2,574.33	\$3,430.41	\$316.58
6000	\$237.52	\$468.94	\$1,008.92	\$2,011.75	\$3,014.57	\$4,017.40	\$350.45
7000	\$271.38	\$536.67	\$1,155.67	\$2,305.24	\$3,454.82	\$4,604.39	\$384.31

**COS Monthly Rates Zone 2, Hauled Water FY2014**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$29.90	\$54.96	\$113.44	\$222.04	\$330.64	\$439.25	
150	\$31.24	\$57.64	\$119.25	\$233.67	\$348.09	\$462.51	
200	\$32.58	\$60.33	\$125.07	\$245.30	\$365.54	\$485.77	\$122.09
250	\$33.92	\$63.01	\$130.89	\$256.94	\$382.99	\$509.04	\$123.43
300	\$35.26	\$65.70	\$136.70	\$268.57	\$400.44	\$532.30	\$124.78
350	\$36.61	\$68.38	\$142.52	\$280.20	\$417.88	\$555.57	\$126.12
400	\$37.95	\$71.06	\$148.33	\$291.83	\$435.33	\$578.83	\$127.46
450	\$39.29	\$73.75	\$154.15	\$303.46	\$452.78	\$602.10	\$128.80
500	\$40.63	\$76.43	\$159.97	\$315.10	\$470.23	\$625.36	\$130.14
550	\$41.98	\$79.12	\$165.78	\$326.73	\$487.68	\$648.62	\$131.49
600	\$43.32	\$81.80	\$171.60	\$338.36	\$505.12	\$671.89	\$132.83
650	\$44.66	\$84.49	\$177.41	\$349.99	\$522.57	\$695.15	\$134.17
700	\$46.00	\$87.17	\$183.23	\$361.63	\$540.02	\$718.42	\$135.51
750	\$47.34	\$89.85	\$189.05	\$373.26	\$557.47	\$741.68	\$136.86
800	\$48.69	\$92.54	\$194.86	\$384.89	\$574.92	\$764.94	\$138.20
850	\$50.03	\$95.22	\$200.68	\$396.52	\$592.37	\$788.21	\$139.54
900	\$51.37	\$97.91	\$206.49	\$408.15	\$609.81	\$811.47	\$140.88
1000	\$54.06	\$103.28	\$218.13	\$431.42	\$644.71	\$858.00	\$143.57
1200	\$59.42	\$114.01	\$241.39	\$477.95	\$714.50	\$951.06	\$148.94
1400	\$64.79	\$124.75	\$264.65	\$524.47	\$784.29	\$1,044.12	\$154.30
1500	\$67.48	\$130.12	\$276.29	\$547.74	\$819.19	\$1,090.64	\$156.99
1750	\$74.19	\$143.54	\$305.37	\$605.90	\$906.43	\$1,206.96	\$163.70
2000	\$80.90	\$156.96	\$334.45	\$664.06	\$993.67	\$1,323.29	\$170.41
2500	\$94.32	\$183.81	\$392.61	\$780.38	\$1,168.15	\$1,555.93	\$183.83
3000	\$107.74	\$210.65	\$450.77	\$896.70	\$1,342.64	\$1,788.57	\$197.25
3500	\$121.16	\$237.49	\$508.93	\$1,013.02	\$1,517.12	\$2,021.21	\$210.67
4000	\$156.96	\$309.09	\$664.06	\$1,323.29	\$1,982.51	\$2,641.74	\$335.99
5000	\$183.81	\$362.78	\$780.38	\$1,555.93	\$2,331.48	\$3,107.02	\$362.83
6000	\$210.65	\$416.47	\$896.70	\$1,788.57	\$2,680.44	\$3,572.31	\$389.67
7000	\$237.49	\$470.15	\$1,013.02	\$2,021.21	\$3,029.40	\$4,037.59	\$416.52

Phased COS Monthly Rates Zone 2, Hauled Water FY2015

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$32.29	\$59.35	\$122.51	\$239.80	\$357.09	\$474.39	
150	\$33.74	\$62.25	\$128.79	\$252.37	\$375.94	\$499.51	
200	\$35.19	\$65.15	\$135.07	\$264.93	\$394.78	\$524.64	\$131.86
250	\$36.64	\$68.05	\$141.36	\$277.49	\$413.63	\$549.76	\$133.31
300	\$38.09	\$70.95	\$147.64	\$290.05	\$432.47	\$574.89	\$134.76
350	\$39.54	\$73.85	\$153.92	\$302.62	\$451.31	\$600.01	\$136.21
400	\$40.99	\$76.75	\$160.20	\$315.18	\$470.16	\$625.14	\$137.66
450	\$42.43	\$79.65	\$166.48	\$327.74	\$489.00	\$650.26	\$139.11
500	\$43.88	\$82.55	\$172.76	\$340.30	\$507.85	\$675.39	\$140.56
550	\$45.33	\$85.45	\$179.04	\$352.87	\$526.69	\$700.51	\$142.01
600	\$46.78	\$88.35	\$185.33	\$365.43	\$545.53	\$725.64	\$143.46
650	\$48.23	\$91.24	\$191.61	\$377.99	\$564.38	\$750.76	\$144.91
700	\$49.68	\$94.14	\$197.89	\$390.56	\$583.22	\$775.89	\$146.35
750	\$51.13	\$97.04	\$204.17	\$403.12	\$602.07	\$801.01	\$147.80
800	\$52.58	\$99.94	\$210.45	\$415.68	\$620.91	\$826.14	\$149.25
850	\$54.03	\$102.84	\$216.73	\$428.24	\$639.75	\$851.27	\$150.70
900	\$55.48	\$105.74	\$223.01	\$440.81	\$658.60	\$876.39	\$152.15
1000	\$58.38	\$111.54	\$235.58	\$465.93	\$696.29	\$926.64	\$155.05
1200	\$64.18	\$123.13	\$260.70	\$516.18	\$771.66	\$1,027.14	\$160.85
1400	\$69.98	\$134.73	\$285.83	\$566.43	\$847.04	\$1,127.64	\$166.65
1500	\$72.87	\$140.53	\$298.39	\$591.56	\$884.73	\$1,177.90	\$169.55
1750	\$80.12	\$155.02	\$329.80	\$654.37	\$978.95	\$1,303.52	\$176.80
2000	\$87.37	\$169.52	\$361.20	\$717.18	\$1,073.17	\$1,429.15	\$184.04
2500	\$101.87	\$198.51	\$424.02	\$842.81	\$1,261.61	\$1,680.40	\$198.54
3000	\$116.36	\$227.50	\$486.83	\$968.44	\$1,450.05	\$1,931.66	\$213.03
3500	\$130.86	\$256.49	\$549.64	\$1,094.06	\$1,638.49	\$2,182.91	\$227.53
4000	\$169.52	\$333.82	\$717.18	\$1,429.15	\$2,141.11	\$2,853.08	\$362.86
5000	\$198.51	\$391.80	\$842.81	\$1,680.40	\$2,517.99	\$3,355.58	\$391.86
6000	\$227.50	\$449.78	\$968.44	\$1,931.66	\$2,894.87	\$3,858.09	\$420.85
7000	\$256.49	\$507.76	\$1,094.06	\$2,182.91	\$3,271.75	\$4,360.60	\$449.84

**Phased COS Monthly Rates Zone 2, Hauled Water FY2016**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$34.87	\$64.10	\$132.31	\$258.99	\$385.66	\$512.34	
150	\$36.44	\$67.23	\$139.10	\$272.55	\$406.01	\$539.47	
200	\$38.00	\$70.37	\$145.88	\$286.12	\$426.36	\$566.61	\$142.41
250	\$39.57	\$73.50	\$152.66	\$299.69	\$446.72	\$593.74	\$143.97
300	\$41.13	\$76.63	\$159.45	\$313.26	\$467.07	\$620.88	\$145.54
350	\$42.70	\$79.76	\$166.23	\$326.83	\$487.42	\$648.01	\$147.10
400	\$44.26	\$82.89	\$173.02	\$340.39	\$507.77	\$675.15	\$148.67
450	\$45.83	\$86.02	\$179.80	\$353.96	\$528.12	\$702.28	\$150.24
500	\$47.39	\$89.15	\$186.58	\$367.53	\$548.47	\$729.42	\$151.80
550	\$48.96	\$92.28	\$193.37	\$381.10	\$568.83	\$756.55	\$153.37
600	\$50.53	\$95.41	\$200.15	\$394.66	\$589.18	\$783.69	\$154.93
650	\$52.09	\$98.54	\$206.94	\$408.23	\$609.53	\$810.83	\$156.50
700	\$53.66	\$101.68	\$213.72	\$421.80	\$629.88	\$837.96	\$158.06
750	\$55.22	\$104.81	\$220.50	\$435.37	\$650.23	\$865.10	\$159.63
800	\$56.79	\$107.94	\$227.29	\$448.93	\$670.58	\$892.23	\$161.19
850	\$58.35	\$111.07	\$234.07	\$462.50	\$690.93	\$919.37	\$162.76
900	\$59.92	\$114.20	\$240.85	\$476.07	\$711.29	\$946.50	\$164.33
1000	\$63.05	\$120.46	\$254.42	\$503.21	\$751.99	\$1,000.77	\$167.46
1200	\$69.31	\$132.99	\$281.56	\$557.48	\$833.40	\$1,109.31	\$173.72
1400	\$75.57	\$145.51	\$308.69	\$611.75	\$914.80	\$1,217.86	\$179.98
1500	\$78.70	\$151.77	\$322.26	\$638.88	\$955.50	\$1,272.13	\$183.11
1750	\$86.53	\$167.43	\$356.18	\$706.72	\$1,057.26	\$1,407.80	\$190.94
2000	\$94.36	\$183.08	\$390.10	\$774.56	\$1,159.02	\$1,543.48	\$198.77
2500	\$110.01	\$214.39	\$457.94	\$910.24	\$1,362.54	\$1,814.83	\$214.42
3000	\$125.67	\$245.70	\$525.78	\$1,045.91	\$1,566.05	\$2,086.19	\$230.08
3500	\$141.32	\$277.01	\$593.61	\$1,181.59	\$1,769.57	\$2,357.54	\$245.73
4000	\$183.08	\$360.52	\$774.56	\$1,543.48	\$2,312.40	\$3,081.32	\$391.89
5000	\$214.39	\$423.15	\$910.24	\$1,814.83	\$2,719.43	\$3,624.03	\$423.20
6000	\$245.70	\$485.77	\$1,045.91	\$2,086.19	\$3,126.46	\$4,166.74	\$454.51
7000	\$277.01	\$548.39	\$1,181.59	\$2,357.54	\$3,533.49	\$4,709.45	\$485.82

Phased COS Monthly Rates Zone 2, Hauled Water FY2017

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$36.27	\$66.67	\$137.61	\$269.35	\$401.09	\$532.83	
150	\$37.89	\$69.92	\$144.66	\$283.46	\$422.25	\$561.05	
200	\$39.52	\$73.18	\$151.72	\$297.57	\$443.42	\$589.27	\$148.10
250	\$41.15	\$76.44	\$158.77	\$311.68	\$464.58	\$617.49	\$149.73
300	\$42.78	\$79.69	\$165.83	\$325.79	\$485.75	\$645.71	\$151.36
350	\$44.41	\$82.95	\$172.88	\$339.90	\$506.92	\$673.93	\$152.99
400	\$46.03	\$86.20	\$179.94	\$354.01	\$528.08	\$702.15	\$154.62
450	\$47.66	\$89.46	\$186.99	\$368.12	\$549.25	\$730.38	\$156.25
500	\$49.29	\$92.72	\$194.05	\$382.23	\$570.41	\$758.60	\$157.87
550	\$50.92	\$95.97	\$201.10	\$396.34	\$591.58	\$786.82	\$159.50
600	\$52.55	\$99.23	\$208.16	\$410.45	\$612.74	\$815.04	\$161.13
650	\$54.17	\$102.49	\$215.21	\$424.56	\$633.91	\$843.26	\$162.76
700	\$55.80	\$105.74	\$222.27	\$438.67	\$655.08	\$871.48	\$164.39
750	\$57.43	\$109.00	\$229.32	\$452.78	\$676.24	\$899.70	\$166.01
800	\$59.06	\$112.25	\$236.38	\$466.89	\$697.41	\$927.92	\$167.64
850	\$60.69	\$115.51	\$243.43	\$481.00	\$718.57	\$956.14	\$169.27
900	\$62.32	\$118.77	\$250.49	\$495.11	\$739.74	\$984.36	\$170.90
1000	\$65.57	\$125.28	\$264.60	\$523.33	\$782.07	\$1,040.80	\$174.15
1200	\$72.08	\$138.30	\$292.82	\$579.78	\$866.73	\$1,153.69	\$180.67
1400	\$78.60	\$151.33	\$321.04	\$636.22	\$951.39	\$1,266.57	\$187.18
1500	\$81.85	\$157.84	\$335.15	\$664.44	\$993.72	\$1,323.01	\$190.44
1750	\$89.99	\$174.12	\$370.43	\$734.99	\$1,099.55	\$1,464.12	\$198.58
2000	\$98.13	\$190.40	\$405.70	\$805.54	\$1,205.38	\$1,605.22	\$206.72
2500	\$114.42	\$222.97	\$476.25	\$946.65	\$1,417.04	\$1,887.43	\$223.00
3000	\$130.70	\$255.53	\$546.81	\$1,087.75	\$1,628.69	\$2,169.64	\$239.28
3500	\$146.98	\$288.09	\$617.36	\$1,228.85	\$1,840.35	\$2,451.84	\$255.56
4000	\$190.40	\$374.95	\$805.54	\$1,605.22	\$2,404.90	\$3,204.58	\$407.57
5000	\$222.97	\$440.07	\$946.65	\$1,887.43	\$2,828.21	\$3,768.99	\$440.13
6000	\$255.53	\$505.20	\$1,087.75	\$2,169.64	\$3,251.52	\$4,333.41	\$472.69
7000	\$288.09	\$570.32	\$1,228.85	\$2,451.84	\$3,674.83	\$4,897.82	\$505.26

**Phased COS Monthly Rates Zone 2, Hauled Water FY2018**

Capacity	1 time/month	2 times/month	1 times per week	2 times/week	3 times/week	4 times/week	Extra Call/delivery
100	\$37.72	\$69.33	\$143.11	\$280.12	\$417.13	\$554.14	
150	\$39.41	\$72.72	\$150.45	\$294.80	\$439.14	\$583.49	
200	\$41.10	\$76.11	\$157.78	\$309.47	\$461.16	\$612.84	\$154.03
250	\$42.80	\$79.49	\$165.12	\$324.15	\$483.17	\$642.19	\$155.72
300	\$44.49	\$82.88	\$172.46	\$338.82	\$505.18	\$671.54	\$157.42
350	\$46.18	\$86.27	\$179.80	\$353.49	\$527.19	\$700.89	\$159.11
400	\$47.88	\$89.65	\$187.13	\$368.17	\$549.21	\$730.24	\$160.80
450	\$49.57	\$93.04	\$194.47	\$382.84	\$571.22	\$759.59	\$162.49
500	\$51.26	\$96.43	\$201.81	\$397.52	\$593.23	\$788.94	\$164.19
550	\$52.96	\$99.81	\$209.15	\$412.19	\$615.24	\$818.29	\$165.88
600	\$54.65	\$103.20	\$216.48	\$426.87	\$637.25	\$847.64	\$167.57
650	\$56.34	\$106.59	\$223.82	\$441.54	\$659.27	\$876.99	\$169.27
700	\$58.04	\$109.97	\$231.16	\$456.22	\$681.28	\$906.34	\$170.96
750	\$59.73	\$113.36	\$238.50	\$470.89	\$703.29	\$935.69	\$172.65
800	\$61.42	\$116.75	\$245.83	\$485.57	\$725.30	\$965.04	\$174.35
850	\$63.11	\$120.13	\$253.17	\$500.24	\$747.32	\$994.39	\$176.04
900	\$64.81	\$123.52	\$260.51	\$514.92	\$769.33	\$1,023.74	\$177.73
1000	\$68.19	\$130.29	\$275.18	\$544.27	\$813.35	\$1,082.44	\$181.12
1200	\$74.97	\$143.84	\$304.53	\$602.97	\$901.40	\$1,199.83	\$187.89
1400	\$81.74	\$157.38	\$333.88	\$661.67	\$989.45	\$1,317.23	\$194.67
1500	\$85.13	\$164.16	\$348.56	\$691.02	\$1,033.47	\$1,375.93	\$198.05
1750	\$93.59	\$181.09	\$385.24	\$764.39	\$1,143.53	\$1,522.68	\$206.52
2000	\$102.06	\$198.02	\$421.93	\$837.76	\$1,253.60	\$1,669.43	\$214.99
2500	\$118.99	\$231.89	\$495.30	\$984.51	\$1,473.72	\$1,962.92	\$231.92
3000	\$135.92	\$265.75	\$568.68	\$1,131.26	\$1,693.84	\$2,256.42	\$248.85
3500	\$152.86	\$299.62	\$642.05	\$1,278.01	\$1,913.96	\$2,549.92	\$265.78
4000	\$198.02	\$389.94	\$837.76	\$1,669.43	\$2,501.09	\$3,332.76	\$423.87
5000	\$231.89	\$457.67	\$984.51	\$1,962.92	\$2,941.34	\$3,919.75	\$457.74
6000	\$265.75	\$525.40	\$1,131.26	\$2,256.42	\$3,381.58	\$4,506.74	\$491.60
7000	\$299.62	\$593.13	\$1,278.01	\$2,549.92	\$3,821.83	\$5,093.74	\$525.47

**City of Bethel**  
**Cost of Service Hauled Sewer Rates**

**COS Monthly Rates, Hauled Sewer FY2014**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$22.43	\$39.94	\$80.04	\$155.21	\$230.38	\$293.79	
150	\$23.37	\$41.84	\$84.11	\$163.35	\$242.59	\$309.45	
200	\$24.32	\$43.73	\$88.18	\$171.49	\$254.80	\$325.11	\$63.11
250	\$25.27	\$45.63	\$92.25	\$179.63	\$267.01	\$340.76	\$64.01
300	\$26.22	\$47.53	\$96.32	\$187.77	\$279.22	\$356.42	\$64.91
350	\$27.17	\$49.42	\$100.39	\$195.91	\$291.44	\$372.08	\$65.82
400	\$28.12	\$51.32	\$104.46	\$204.05	\$303.65	\$387.73	\$66.72
450	\$29.07	\$53.22	\$108.53	\$212.20	\$315.86	\$403.39	\$67.62
500	\$30.01	\$55.11	\$112.60	\$220.34	\$328.07	\$419.05	\$68.53
550	\$30.96	\$57.01	\$116.67	\$228.48	\$340.29	\$434.71	\$69.43
600	\$31.91	\$58.91	\$120.74	\$236.62	\$352.50	\$450.36	\$70.33
650	\$32.86	\$60.81	\$124.81	\$244.76	\$364.71	\$466.02	\$71.24
700	\$33.81	\$62.70	\$128.88	\$252.90	\$376.92	\$481.68	\$72.14
750	\$34.76	\$64.60	\$132.96	\$261.05	\$389.14	\$497.33	\$73.04
800	\$35.70	\$66.50	\$137.03	\$269.19	\$401.35	\$512.99	\$73.95
850	\$36.65	\$68.39	\$141.10	\$277.33	\$413.56	\$528.65	\$74.85
900	\$37.60	\$70.29	\$145.17	\$285.47	\$425.77	\$544.30	\$75.75
1000	\$39.50	\$74.08	\$153.31	\$301.75	\$450.20	\$575.62	\$77.56
1200	\$43.29	\$81.67	\$169.59	\$334.32	\$499.05	\$638.24	\$81.17
1400	\$47.09	\$89.26	\$185.88	\$366.89	\$547.90	\$700.87	\$84.78
1500	\$48.98	\$93.05	\$194.02	\$383.17	\$572.32	\$732.19	\$86.59
1750	\$53.72	\$102.54	\$214.37	\$423.88	\$633.38	\$810.47	\$91.11
2000	\$58.47	\$112.02	\$234.73	\$464.59	\$694.44	\$888.75	\$95.62
2500	\$67.95	\$130.99	\$275.43	\$546.00	\$816.57	\$1,045.32	\$104.66
3000	\$77.44	\$149.96	\$316.14	\$627.42	\$938.69	\$1,201.89	\$113.69
3500	\$86.92	\$168.93	\$356.85	\$708.83	\$1,060.82	\$1,358.46	\$122.72
4000	\$112.02	\$219.13	\$464.59	\$924.30	\$1,384.02	\$1,772.83	\$191.25
5000	\$130.99	\$257.07	\$546.00	\$1,087.14	\$1,628.27	\$2,085.97	\$209.31
6000	\$149.96	\$295.01	\$627.42	\$1,249.97	\$1,872.52	\$2,399.11	\$227.38
7000	\$168.93	\$332.94	\$708.83	\$1,412.80	\$2,116.77	\$2,712.24	\$245.44

**COS Monthly Rates, Hauled Sewer FY2015**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$23.55	\$41.94	\$84.04	\$162.97	\$241.89	\$308.48	\$0.00
150	\$24.54	\$43.93	\$88.31	\$171.51	\$254.72	\$324.92	\$0.00
200	\$25.54	\$45.92	\$92.59	\$180.06	\$267.54	\$341.36	\$66.26
250	\$26.54	\$47.91	\$96.86	\$188.61	\$280.36	\$357.80	\$67.21
300	\$27.53	\$49.90	\$101.13	\$197.16	\$293.19	\$374.24	\$68.16
350	\$28.53	\$51.90	\$105.41	\$205.71	\$306.01	\$390.68	\$69.11
400	\$29.52	\$53.89	\$109.68	\$214.26	\$318.83	\$407.12	\$70.05
450	\$30.52	\$55.88	\$113.96	\$222.81	\$331.65	\$423.56	\$71.00
500	\$31.51	\$57.87	\$118.23	\$231.35	\$344.48	\$440.00	\$71.95
550	\$32.51	\$59.86	\$122.51	\$239.90	\$357.30	\$456.44	\$72.90
600	\$33.51	\$61.85	\$126.78	\$248.45	\$370.12	\$472.88	\$73.85
650	\$34.50	\$63.85	\$131.05	\$257.00	\$382.95	\$489.32	\$74.80
700	\$35.50	\$65.84	\$135.33	\$265.55	\$395.77	\$505.76	\$75.75
750	\$36.49	\$67.83	\$139.60	\$274.10	\$408.59	\$522.20	\$76.69
800	\$37.49	\$69.82	\$143.88	\$282.65	\$421.42	\$538.64	\$77.64
850	\$38.49	\$71.81	\$148.15	\$291.20	\$434.24	\$555.08	\$78.59
900	\$39.48	\$73.80	\$152.43	\$299.74	\$447.06	\$571.52	\$79.54
1000	\$41.47	\$77.79	\$160.98	\$316.84	\$472.71	\$604.40	\$81.44
1200	\$45.46	\$85.75	\$178.07	\$351.04	\$524.00	\$670.16	\$85.23
1400	\$49.44	\$93.72	\$195.17	\$385.23	\$575.29	\$735.92	\$89.02
1500	\$51.43	\$97.71	\$203.72	\$402.33	\$600.94	\$768.79	\$90.92
1750	\$56.41	\$107.66	\$225.09	\$445.07	\$665.05	\$850.99	\$95.66
2000	\$61.39	\$117.62	\$246.46	\$487.81	\$729.17	\$933.19	\$100.40
2500	\$71.35	\$137.54	\$289.20	\$573.30	\$857.40	\$1,097.59	\$109.89
3000	\$81.31	\$157.46	\$331.95	\$658.79	\$985.63	\$1,261.99	\$119.37
3500	\$91.27	\$177.37	\$374.69	\$744.27	\$1,113.86	\$1,426.38	\$128.86
4000	\$117.62	\$230.09	\$487.81	\$970.52	\$1,453.23	\$1,861.47	\$200.81
5000	\$137.54	\$269.92	\$573.30	\$1,141.49	\$1,709.69	\$2,190.27	\$219.78
6000	\$157.46	\$309.76	\$658.79	\$1,312.47	\$1,966.14	\$2,519.06	\$238.75
7000	\$177.37	\$349.59	\$744.27	\$1,483.44	\$2,222.60	\$2,847.86	\$257.72

**COS Monthly Rates, Hauled Sewer FY2016**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$24.49	\$43.61	\$87.40	\$169.48	\$251.57	\$320.82	\$0.00
150	\$25.52	\$45.69	\$91.84	\$178.37	\$264.91	\$337.92	\$0.00
200	\$26.56	\$47.76	\$96.29	\$187.27	\$278.24	\$355.02	\$68.91
250	\$27.60	\$49.83	\$100.73	\$196.16	\$291.58	\$372.11	\$69.90
300	\$28.63	\$51.90	\$105.18	\$205.05	\$304.91	\$389.21	\$70.88
350	\$29.67	\$53.97	\$109.63	\$213.94	\$318.25	\$406.31	\$71.87
400	\$30.70	\$56.04	\$114.07	\$222.83	\$331.58	\$423.41	\$72.86
450	\$31.74	\$58.11	\$118.52	\$231.72	\$344.92	\$440.50	\$73.84
500	\$32.77	\$60.19	\$122.96	\$240.61	\$358.26	\$457.60	\$74.83
550	\$33.81	\$62.26	\$127.41	\$249.50	\$371.59	\$474.70	\$75.82
600	\$34.85	\$64.33	\$131.85	\$258.39	\$384.93	\$491.80	\$76.80
650	\$35.88	\$66.40	\$136.30	\$267.28	\$398.26	\$508.89	\$77.79
700	\$36.92	\$68.47	\$140.74	\$276.17	\$411.60	\$525.99	\$78.78
750	\$37.95	\$70.54	\$145.19	\$285.06	\$424.94	\$543.09	\$79.76
800	\$38.99	\$72.61	\$149.63	\$293.95	\$438.27	\$560.18	\$80.75
850	\$40.02	\$74.69	\$154.08	\$302.84	\$451.61	\$577.28	\$81.73
900	\$41.06	\$76.76	\$158.52	\$311.73	\$464.94	\$594.38	\$82.72
1000	\$43.13	\$80.90	\$167.41	\$329.51	\$491.62	\$628.57	\$84.69
1200	\$47.27	\$89.19	\$185.20	\$365.08	\$544.96	\$696.96	\$88.64
1400	\$51.42	\$97.47	\$202.98	\$400.64	\$598.30	\$765.35	\$92.58
1500	\$53.49	\$101.61	\$211.87	\$418.42	\$624.97	\$799.55	\$94.56
1750	\$58.67	\$111.97	\$234.09	\$462.87	\$691.65	\$885.03	\$99.49
2000	\$63.85	\$122.33	\$256.32	\$507.33	\$758.33	\$970.52	\$104.42
2500	\$74.20	\$143.04	\$300.77	\$596.23	\$891.69	\$1,141.49	\$114.28
3000	\$84.56	\$163.76	\$345.23	\$685.14	\$1,025.05	\$1,312.47	\$124.15
3500	\$94.92	\$184.47	\$389.68	\$774.05	\$1,158.41	\$1,483.44	\$134.01
4000	\$122.33	\$239.29	\$507.33	\$1,009.34	\$1,511.35	\$1,935.93	\$208.84
5000	\$143.04	\$280.72	\$596.23	\$1,187.15	\$1,778.07	\$2,277.88	\$228.57
6000	\$163.76	\$322.15	\$685.14	\$1,364.96	\$2,044.79	\$2,619.82	\$248.30
7000	\$184.47	\$363.58	\$774.05	\$1,542.78	\$2,311.51	\$2,961.77	\$268.03

**COS Monthly Rates, Hauled Sewer FY2017**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$25.47	\$45.36	\$90.89	\$176.26	\$261.63	\$333.66	\$0.00
150	\$26.55	\$47.51	\$95.52	\$185.51	\$275.50	\$351.44	\$0.00
200	\$27.62	\$49.67	\$100.14	\$194.76	\$289.37	\$369.22	\$71.67
250	\$28.70	\$51.82	\$104.76	\$204.00	\$303.24	\$387.00	\$72.69
300	\$29.78	\$53.98	\$109.39	\$213.25	\$317.11	\$404.78	\$73.72
350	\$30.85	\$56.13	\$114.01	\$222.49	\$330.98	\$422.56	\$74.75
400	\$31.93	\$58.28	\$118.63	\$231.74	\$344.85	\$440.34	\$75.77
450	\$33.01	\$60.44	\$123.26	\$240.99	\$358.72	\$458.12	\$76.80
500	\$34.09	\$62.59	\$127.88	\$250.23	\$372.59	\$475.90	\$77.82
550	\$35.16	\$64.75	\$132.50	\$259.48	\$386.46	\$493.69	\$78.85
600	\$36.24	\$66.90	\$137.13	\$268.73	\$400.33	\$511.47	\$79.87
650	\$37.32	\$69.06	\$141.75	\$277.97	\$414.20	\$529.25	\$80.90
700	\$38.39	\$71.21	\$146.37	\$287.22	\$428.06	\$547.03	\$81.93
750	\$39.47	\$73.36	\$151.00	\$296.46	\$441.93	\$564.81	\$82.95
800	\$40.55	\$75.52	\$155.62	\$305.71	\$455.80	\$582.59	\$83.98
850	\$41.63	\$77.67	\$160.24	\$314.96	\$469.67	\$600.37	\$85.00
900	\$42.70	\$79.83	\$164.86	\$324.20	\$483.54	\$618.15	\$86.03
1000	\$44.86	\$84.14	\$174.11	\$342.70	\$511.28	\$653.72	\$88.08
1200	\$49.17	\$92.75	\$192.60	\$379.68	\$566.76	\$724.84	\$92.18
1400	\$53.47	\$101.37	\$211.10	\$416.67	\$622.24	\$795.97	\$96.29
1500	\$55.63	\$105.68	\$220.34	\$435.16	\$649.97	\$831.53	\$98.34
1750	\$61.01	\$116.45	\$243.46	\$481.39	\$719.32	\$920.43	\$103.47
2000	\$66.40	\$127.22	\$266.57	\$527.62	\$788.67	\$1,009.34	\$108.60
2500	\$77.17	\$148.76	\$312.80	\$620.08	\$927.36	\$1,187.15	\$118.86
3000	\$87.94	\$170.31	\$359.04	\$712.54	\$1,066.05	\$1,364.96	\$129.11
3500	\$98.71	\$191.85	\$405.27	\$805.01	\$1,204.75	\$1,542.78	\$139.37
4000	\$127.22	\$248.86	\$527.62	\$1,049.71	\$1,571.81	\$2,013.37	\$217.20
5000	\$148.76	\$291.95	\$620.08	\$1,234.64	\$1,849.20	\$2,368.99	\$237.71
6000	\$170.31	\$335.03	\$712.54	\$1,419.56	\$2,126.58	\$2,724.62	\$258.23
7000	\$191.85	\$378.12	\$805.01	\$1,604.49	\$2,403.97	\$3,080.24	\$278.75

**COS Monthly Rates, Hauled Sewer FY2018**

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 times/week	Extra Haul
100	\$26.49	\$47.17	\$94.53	\$183.31	\$272.10	\$347.00	\$0.00
150	\$27.61	\$49.41	\$99.34	\$192.93	\$286.52	\$365.49	\$0.00
200	\$28.73	\$51.65	\$104.15	\$202.55	\$300.95	\$383.99	\$74.53
250	\$29.85	\$53.89	\$108.95	\$212.16	\$315.37	\$402.48	\$75.60
300	\$30.97	\$56.13	\$113.76	\$221.78	\$329.79	\$420.97	\$76.67
350	\$32.09	\$58.38	\$118.57	\$231.39	\$344.22	\$439.46	\$77.74
400	\$33.21	\$60.62	\$123.38	\$241.01	\$358.64	\$457.96	\$78.80
450	\$34.33	\$62.86	\$128.19	\$250.63	\$373.07	\$476.45	\$79.87
500	\$35.45	\$65.10	\$132.99	\$260.24	\$387.49	\$494.94	\$80.94
550	\$36.57	\$67.34	\$137.80	\$269.86	\$401.91	\$513.43	\$82.00
600	\$37.69	\$69.58	\$142.61	\$279.47	\$416.34	\$531.93	\$83.07
650	\$38.81	\$71.82	\$147.42	\$289.09	\$430.76	\$550.42	\$84.14
700	\$39.93	\$74.06	\$152.23	\$298.71	\$445.19	\$568.91	\$85.20
750	\$41.05	\$76.30	\$157.03	\$308.32	\$459.61	\$587.40	\$86.27
800	\$42.17	\$78.54	\$161.84	\$317.94	\$474.04	\$605.90	\$87.34
850	\$43.29	\$80.78	\$166.65	\$327.56	\$488.46	\$624.39	\$88.40
900	\$44.41	\$83.02	\$171.46	\$337.17	\$502.88	\$642.88	\$89.47
1000	\$46.65	\$87.50	\$181.08	\$356.40	\$531.73	\$679.87	\$91.60
1200	\$51.13	\$96.46	\$200.31	\$394.87	\$589.43	\$753.84	\$95.87
1400	\$55.61	\$105.42	\$219.54	\$433.33	\$647.12	\$827.80	\$100.14
1500	\$57.85	\$109.91	\$229.16	\$452.56	\$675.97	\$864.79	\$102.27
1750	\$63.45	\$121.11	\$253.20	\$500.64	\$748.09	\$957.25	\$107.61
2000	\$69.06	\$132.31	\$277.24	\$548.72	\$820.21	\$1,049.71	\$112.94
2500	\$80.26	\$154.71	\$325.32	\$644.89	\$964.45	\$1,234.64	\$123.61
3000	\$91.46	\$177.12	\$373.40	\$741.05	\$1,108.70	\$1,419.56	\$134.28
3500	\$102.66	\$199.52	\$421.48	\$837.21	\$1,252.94	\$1,604.49	\$144.95
4000	\$132.31	\$258.82	\$548.72	\$1,091.70	\$1,634.68	\$2,093.90	\$225.88
5000	\$154.71	\$303.63	\$644.89	\$1,284.02	\$1,923.16	\$2,463.75	\$247.22
6000	\$177.12	\$348.43	\$741.05	\$1,476.35	\$2,211.65	\$2,833.60	\$268.56
7000	\$199.52	\$393.24	\$837.21	\$1,668.67	\$2,500.13	\$3,203.45	\$289.90

