City of Bethel

P.O. BOX 1388
Bethel, Alaska 99559
Phone: 907- 543-2047
Fax: 907-543-4171

Regular City Council Meeting
November 12, 2013
6:30 P.M.
Council Chambers; Bethel, Alaska

City Council Meeting Agenda
Regularly Scheduled Meeting
November 12, 2013-6:30 pm
City Hall 300 State Highway, Bethel, AK
City of Bethel Council Chambers

Joseph Klejka
Mayor
Term Expires 2014
543-2984
jklejka@cityofbethel.net

Rick Robb
Vice Mayor
Term Expires 2013
543-1879
rrobb@cityofbethel.net

Mark Springer
Council Member
Term Expires 2013
545-1450
mspringer@cityofbethel.net

Eric Whitney
Council Member
Term Expires 2014
545-1309
ewhitney@cityofbethel.net

Sharon Sigmon
Council Member
Term Expires 2014
543-3452
ssigmon@cityofbethel.net

er Pike
Council Member
Term Expires 2015
444-7211
hpike@cityofbethel.net

Leif Albertson
Council Member
Term Expires 2015
543-2819
lalbertson@cityofbethel.net

Lee Foley
City Manager
543-2047
lfoley@cityofbethel.net

Lori Strickler
City Clerk
543-1384
lstrickler@cityofbethel.net

Patty Burley
City Attorney

Paul Richards
Lobbyist
pmrichards@gci.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 *10-22-2013 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**
IX. **NEW BUSINESS**
   a) P23 *Introduction Of Ordinance 13-23: Inserting Chapter 9.33 Title Silly String And Practical Joke Items Prohibited (Parks And Recreation Committee)
   b) P29 *Introduction Of Ordinance 13-24: Approving The Lease Of City Property To Shaundy's Dog Grooming In Accordance With BMC 4.08.030, Acquisition And Disposal Of Land (City Manager Foley)
   c) P33 AM 13-25: City of Bethel Water And Sewer Rate Increase Plan Of Action (Mayor Klejka)
   d) P155 *AM 13-26: Reappointment Of Frank Neitz To The Public Works Committee (Mayor Klejka)
   e) P159 *AM 13-27: Reappointment Of John Guinn To The Planning Commission (Mayor Klejka)
   f) P163 *AM 13-28: Reappointment Of Sharon Neth To the Energy Committee (Mayor Klejka)
   g) P167 AM 13-29 Confirming The Appointment Of Hansel Mathlaw at the City of Bethel, Finance Director (City Manager Foley)
   h) *City Attorney Medical leave request: October 1 – 18, 2013 (Council Member Sigmon)
   i) *Training And Travel Request For City Attorney To Attend Alaska Municipal League Conference November 17-20 (Council Member Sigmon)
X. **MAYOR'S REPORT**
XI. **MANAGER'S REPORT**
XII. **CLERK'S REPORT**
XIII. **COUNCIL MEMBER COMMENTS**
XIV. **ADJOURNMENT**

Agenda posted on November 6, 2013, 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 November 26, 2013**)

Approval of the Minutes

I. CALL TO ORDER

A Regular Meeting of the Bethel City Council was held on October 22, 2013 at 6:30pm, in the council chambers, Bethel, Alaska.

With the telephonic participation of Mayor Klejka and Vice-Mayor Robb, City Clerk, Lori Strickler, 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 Mark Springer, Council Member Eric Whitney, Council Member Sharon Sigmon, Council Member Leif Albertson, Council Member Heather Pike, Council Member Joseph Klejka (arrived after roll call), Council Member Rick Robb (arrived after roll call)

Also in attendance were the following:
City Clerk Lori Strickler, Acting City Manager Larry Elarton, City Attorney Patty Burley

Main Motion:	**To Elect Eric Whitney as Mayor Pro Tem**
Moved by:	Springer
Seconded by:	Albertson
Action:	Motion carried unanimously by a vote of 5-0
In favor:	Springer, Whitney, Sigmon, Albertson and Pike
Opposed:	None

IV. PEOPLE TO BE HEARD

Ross Boaring- Provided some information to the Council regarding the airport expansion as well as Range Safety Rules. November 16, there will be a turkey shoot at the shooting range.

Vice-Mayor Richard Robb called in at 6:32p.
Mayor Klejka called in at 6:32p.

Frances Samuelson – Suggested the restaurants in the community are taking advantage of the City's sales tax exemption ordinance.

Ronda Sargent, Parks and Recreation Director - Wanted to remind the community that they should keep their pumpkins and bring them to the skate park for Chunken Pumpkin on Saturday, November 2, from 2p until 4p.

V. APPROVAL OF THE CONSENT AND REGULAR AGENDA

Main Motion:	To approve the Consent and Regular Agenda.
Moved by:	Springer
Seconded by:	Sigmon
Action:	Motion carried unanimously by a vote of 5-0
In favor:	Springer, Whitney, Sigmon, Albertson, Klejka, Robb and Pike
Opposed:	None

Removal from Consent Agenda	Pull Resolution 13-18, from the consent agenda.
Moved by:	Springer

VI. APPROVAL OF THE MEETING MINUTES

Item A- October 8, 2013 City Council Regular Meeting Minutes.
Passed on the Consent Agenda.

Item B- September 14, 2013 City Council Special Meeting Minutes.
Passed on the Consent Agenda.

VII. REPORTS OF STANDING COMMITTEES

Item A- Port Commission –
Mark Springer, Council Representative- Boat Harbor construction update. An issue came up with the park by the harbor; the Port Director is working on resolving the issue.

Item B- Planning Commission
Heather Pike, Council Representative- Due to the reappointments to committees and commissions, has not been able to attend a meeting.

Item C-Public Safety and Transportation Commission
Sharon Sigmon, Council Representative – The next commission meeting will be November 4, 2013.

Item D-Energy Committee –
Richard Robb, Council Representative- Brought up a recommendation from the committee about solid waste feasibility study to acquire and operating a gasification plant for the purpose of energy recovery.

Item E-Public Works Committee-
Joseph Klejka, Council Representative-A recommendation from public works that the City implement a rate structure as provided in the 2013 Water and Sewer Rate study.

Item F- Finance Committee-
Leif Albertson, Council Representative- Due to the reappointments to committees and commissions, has not been able to attend a meeting.

Item G-Parks and Recreations Committee-
Eric Whitney, Council Representative- Due to the reappointments to committees and commissions, has not been able to attend a meeting.

VIII. SPECIAL ORDERS OF BUSINESS

Item A- Appreciation To Outgoing Council Members Mary Sattler And Gene Peltola Jr. For Their Service To The Community.

Item B- Demonstration From 4-H Youth On The Things They Have Been Doing With The 4-H Program.

IX. NEW BUSINESS

Item A - Resolution 13-18: Submitting Comments To The Federal Subsistence Board On The Rural Determination Process, Specifically The Populations With More Than 7,000 Being Considered Nonrural.

Main Motion:	Adopt Resolution 13-18.
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

Primary Amendment #1:	Amend the second whereas statement "implementation of title VIII".
Moved by:	Springer
Seconded by:	Sigmon
Action:	Motion carried unanimously by a vote of 5-0
In Favor:	Springer, Whitney, Sigmon, Albertson, Klejka, Robb and Pike
Opposed:	None

Primary Amendment #2:	Amend the ninth Whereas statement to strike "~~5 Alaska Administrative Code 99.010:~~ ~~(1) a long-term consistent pattern of noncommercial taking, use, and reliance on the fish stock or game population that has been established over a reasonable period of time of not less than one generation, excluding interruption by circumstances beyond the user's control, such as unavailability of the fish or game caused by migratory patterns; (2) a pattern of taking or use recurring in specific seasons of each year; (3) a pattern of taking or use consisting of methods and means of harvest that are characterized by efficiency and economy of effort and cost; (4) the area in which the noncommercial, long-term, and consistent pattern of taking, use, and reliance upon the fish stock or game population has been established; (5) a means of handling, preparing, preserving, and storing fish or game that has been traditionally used by past generations, but not excluding recent technological advances where appropriate; (6) a pattern of taking or use that includes the handing down of knowledge of fishing or hunting skills, values, and lore from generation to generation; (7) a pattern of taking, use, and reliance where the harvest effort or products of that harvest are distributed or shared, including customary trade, barter, and gift giving; and (8) a pattern that includes taking, use, and reliance for subsistence purposes upon a wide diversity of fish and game resources and that provides substantial economic, cultural, social, and nutritional elements of the subsistence way of life~~ and insert "Alaska Statutes Title 16.05.258 c. Subsistence use and allocation of fish and game. The Board should focus on determining whether dependence upon subsistence is a principal characteristic of the economy, culture, and way of life of an area or community."
Moved by:	Springer
Seconded by:	Sigmon

Action:	Motion carried by a vote of 6-1
In Favor:	Klejka, Springer, Whitney, Sigmon, Albertson and Pike
Opposed:	Robb

Primary Amendment #3:	Amend to strike the tenth Whereas statement "~~Aggregation of Communities - The Bethel City Council finds no fault in the current criteria to identify aggregation of communities~~".
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

Secondary Amendment #3:	Amend Primary Amendment #3, to strike "~~And Aggregation of Communities~~" in the tile of the Resolution.
Moved by:	Robb
Seconded by:	Pike
Action:	Motion carried unanimously by a vote of 7-0
In Favor:	Klejka, Springer, Robb, Whitney, Sigmon, Albertson and Pike
Opposed:	None

Item B- AM 13-22: Reappointment Of Minnie Salleson Fritts To The Parks And Recreation Committee.

Passed on the Consent Agenda.

Item C- AM 13-24: Approval Of Personal Time Off For The City Clerk December 9-19, 2013

Passed on the Consent Agenda.

Item D- City's Sales Tax Exemption Policy Concerns.

XII. MAYOR'S REPORT

XIII. MANAGERS REPORT

XIV. CITY CLERK'S REPORT

XV. COUNCIL MEMBER COMMENTS

Council Member Springer-
Hopes the weather will hold out until Halloween to allow for a pleasant trick-or-treating evening.
Showed frustration in the recent Musk ox shooting across the river.

Council Member Robb-
Looking forward to returning to Bethel. Thanked the 4H kids for coming out to speak to the Council. Bethel NRA Banquet will be on November 2, 2013.

Council Member Sigmon-
Wished everyone a safe and happy Halloween. It is difficult to see when driving to work, parents need to get reflective tape for the kids.
Welcomed the City Attorney back to work.

Council Member Whitney-
It is important to wear reflectors.
There was a recommendation to the City Council from the Energy Committee to consider conducting a study on acquiring and operating a municipal solid waste gasification plant for the purposes of energy recovery and significantly reducing the amount of solid waste being added to the Bethel landfill.

Mayor Joseph Klejka-
Looking forward to returning to Bethel.

Council Member Pike-
Halloween is just around the corner, keep our kids safe and get them in reflective tape. Please slow down in the mornings.

Council Member Albertson-
It is important to get members signed up for Committees and Commissions, some of the committees will have a difficult time meeting with the shortage of membership.
Get the flu shot, it's that time of year.

XVI. ADJOURNMENT

Main Motion:	**Adjournment**
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

Opposed:	Pike None

Eric Whitney, Mayor Pro Tem

ATTEST:

Lori Strickler, City Clerk

Reports of Standing Committees

City of Bethel, Alaska

Parks & Recreation Committee Agenda

Regular Meeting | **November 4, 2013 – 6:00p.m.** | Bethel 4-H Youth Center

Barbara Mosier
Committee Chair
Term Expires 12/2013

Erica Neck
Committee Member
Term Expires 12/2013

Margaret Revet
Committee Member
Term Expires 12/2013

c Whitney
uncil Rep 10/2014

Minnie Sallison Fritts
Committee Member
Term Expires 12/2013

Susan Taylor
Committee Member
Term Expires 12/2015

Amanda Colvin
Committee Member
Term Expires 12/2014

OPEN POSITION
Alternate Committee Member
3 Year Term

Ronda Sargent
Director
543-7711

Richard Ramos
Committee Recorder
543-2088

Rachael Pitts
City Planner
545-0114

hn Sargent
ant 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. October 7, 2013

VI. DEPARTMENT HEAD REPORT

VII. UNFINISHED BUSINESS
A. Tobacco Free Parks

VIII. NEW BUSINESS

IX. MEMBER COMMENTS

X. ADJOURNMENT

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

City of Bethel
Finance Committee Agenda

Monday, October 28, 2013 – 6:30 p.m. Council Chambers, Bethel, Alaska

Vacant
Finance Committee Chair

Clark Davis
Finance Committee Vice Chair

Leif Albertson
Finance Committee Member

Kevin Kristof
Finance Committee Member

Milanna Shear
Finance Committee Member

Dave Trantham, Jr.
Finance Committee Member

Carol Ann Willard
Finance Committee Member

Robby Sutton
Finance Director
543-1376
bsutton@cityofbethel.net

Josephine Stern
Acting Assistant Finance Director
543-1378
jstern@cityofbethel.net

Carole Jung
Recorder
543-1383
cjung@cityofbethel.net

I. CALL TO ORDER

II. ROLL CALL

III. PEOPLE TO BE HEARD – Five minutes per person

IV. APPROVAL OF AGENDA

V. APPROVAL OF MINUTES OF SEPTEMBER 23, 2013

VI. NEW BUSINESS

A: Resignation of Kevin Kristof

B: Discussion of sales tax ordinance. Signs should be posted at local businesses and restaurants. Restaurants need to give receipt that shows 6% sales tax.

VII. COUNCIL MEMBER COMMENTS

VIII. FINANCE DIRECTOR'S COMMENTS

IX. FINANCE COMMITTEE MEMBER COMMENTS

X. ADJOURNMENT

Posted on October 22, 2013 at City Office, AC Co., Swanson's & Post Office

Carole Jung

Carole Jung, Recorder

Special Order of Business

Unfinished Business

New Business

Introduced by: Parks and Recreation Committee
Date: November 12, 2013
Public Hearing:
Action:
Vote:

CITY OF BETHEL, ALASKA

Ordinance #13-23

AN ORDINANCE AMENDING BETHEL MUNICIPAL CODE BY INSERTING CHAPTER 9.33 TITLED SILLY STRING AND PRACTICAL JOKE ITEMS PROHIBITED

WHEREAS, every year the City of Bethel hosts a Fourth of July Festival which brings hundreds of people to the Pinky's Park area;

WHEREAS, during this festival a number of vendors sell practical joke items such as fart bags and fart spray that become a nuisance to the festival goers;

WHEREAS, vendors also sell aerosol cans filled with a foam like substance commonly known as "silly string" which becomes a nuisance;

WHEREAS, vendors also sell aerosol cans filled with temporary hair color which is not permanent to hair but is permanent to wood and clothing, vandalism by this product has required costly repairs to buildings in the area of the celebration,

WHEREAS, young adults and children run through the park spraying each other or setting off these nuisance items, while not paying to attention to the many others surrounding them;

WHEREAS, not only is the use of these products a nuisance during the celebration, the cleanup following the festivities has proven to be extensive due to the number of areole cans and "silly string" found throughout the area;

WHEREAS, the use of these products interferes with the peaceful enjoyment of the Fourth of July Celebration which is a public event;

WHEREAS by banning the sale and use of these products shortly before, during and shortly after the celebration, the spectators as well as volunteers and staff can attend the celebration without the nuisances of products specifically produced for pranks and irritations;

Introduced by: Parks and Recreation Committee
Date: November 12, 2013
Public Hearing:
Action:
Vote:

WHEREAS, the festival space, both in park areas and residential areas that surround the park, will be substantially easier to clean following the close of the celebration if silly string and other practical joke items are not permitted for sale or use in the area.

THEREFORE BE IT ORDAINED by the City Council of Bethel, Alaska, that:

SECTION 1. Classification. This ordinance is permanent in nature and shall be placed in the Bethel Municipal Code.

SECTION 2. Amendment . The City of Bethel Municipal Code is hereby amended, new language is underlined.

9.33.010 Definitions.

As used in this chapter, the following terms shall have the meanings indicated:

"Fart Spray" or "Fart Bag/Bomb" means any product specifically produced to sound and/or smell like fart and fecal matter.

"Hair Color Spray" means a temporary aerosol spray of hair color that washes out.

"Park" means any area in the City of Bethel dedicated as a public park or used for park, recreation or conservation purposes.

"Party Poppers" means a small plastic cylinder which, when a string is pulled, makes a small bang and fires thin paper streamers into the air.

"Walkways" means the area within the public right-of-way adjoining streets in the City of Bethel.

"Silly String" means A foam like substance which is shot and/or propelled by use of an aerosol can and/or similar dispenser and which, when so shot/propelled, emerges from said can/dispenser in a string-like form, the same being sold under the product name of "Silly String" and/or other products.

"Streets" means any street laid out and used as a public thoroughfare in the City of Bethel.

Introduced by: Parks and Recreation Committee
Date: November 12, 2013
Public Hearing:
Action:
Vote:

9.33.020 Public use prohibited.

No person, including any individual or entity, shall discharge or permit the discharge of products called "silly string", "fart bag/bomb", "fart spray" , "party popper" and "hair color spray" in or along the public streets, sidewalks, parks or public places in the City of Bethel at any time.

Restrictions on Sales
No person, including any individual or entity, shall sell products called "silly string", "fart bags/bomb", "fart spray", "party popper" and "hair color spray" in or along the public streets, walkways, parks, public places or from any business conducted in the City of Bethel from June 15 to July 15.

9.33.030 Violations and penalties.

A violation of this chapter shall subject the violator to the penalties provided under chapter 1.08, General Penalties, of the BMC.

SECTION 2. Effective Date. This ordinance shall become effective upon the passage by the City Council.

ENACTED THIS DAY OF 2013, BY A VOTE OF IN FAVOR AND OPPOSED.

_____
Joseph A. Klejka, Mayor

ATTEST:

_____
Lori Strickler, City Clerk

City of Bethel
Committees and Commissions

Recommendation to City Council

Committees and Commissions that wish to make a recommendation to City Council should turn this form in to the City Clerk or to the City Council representative on the committee or commission.

Committee/Commission:	**Parks & Recreation**	**Chairman:**	**Barbara Mosier**
Date Submitted:	**10/29/13**	**Council Rep:**	**Eric Whitney**

Issue:
Silly string, fart bags, fart spray & hair color spray make the event less enjoyable by the participating community
Innocent bystanders have been knocked over, hit by people running around spraying each other with these items. This ban will make the event safer for all.
The mess that results from the use of these items is not good for the environment, is hard to clean up, takes employee time after the event to clean up costing the city money.
Recommendation:
That the selling, buying & using of silly string, fart bags, fart spray & hair color spray be illegal on the 4th of July within the City.
If used or the merchandise will be confiscated
Ticket/fine for selling $100 per offense
Ticket/fine for using $20 per person

Other:

Received by: _____

Date: _____

Introduced by: City Manager Foley
Date: November 12, 2013
Public Hearing: November 26, 2013
Action:
Vote:

CITY OF BETHEL, ALASKA

Ordinance #13-24

AN ORDINANCE APPROVING THE LEASE OF CITY PROPERTY TO SHAUNDY'S DOG GROOMING IN ACCORDANCE WITH BMC 4.08.030 (ACQUISTION AND DISPOSAL OF LAND)

WHEREAS, the City may enter into land lease agreements to an entity providing a necessary public service pursuant to BMC 04.08.030;

WHEREAS, the City of Bethel owns the one animal shelter in Bethel where it houses animals collected through its use of animal control services administered by the Police Department;

WHEREAS, the animal shelter has two rooms, the kennel area where up to ten animals are kept and a vacant office area;

WHEREAS, there exists a public demand for dog grooming services in Bethel that is currently unmet by private business enterprises;

WHEREAS, Bethel resident Shaundy Davis is a State Certified Dog Groomer and willing to open and operate Shaundy's Dog Grooming as a dog grooming business in Bethel;

WHEREAS, minimal modifications to the vacant office can be made by City Property Maintenance personnel that would allow Shaundy's Dog Grooming to operate therefrom;

WHEREAS, Shaundy's Dog Grooming is interested in leasing the unused office space in the animal shelter after it has been modified to suit for a cost not to exceed $250 per month;

WHEREAS, Bethel City Council hereby agrees that lease of space at the City Animal Shelter to Shaundy's Dog Grooming constitutes a disposal of an interest in real property to an entity providing a necessary public service;

Introduced by: City Manager Foley
Date: November 12, 2013
Public Hearing: November 26, 2013
Action:
Vote:

WHEREAS, due to the necessary public purpose to be provided by Shaundy's Dog Grooming at the City's animal shelter, Bethel City Council finds that it is in the best interest of the public and appropriate that the lease contain a cost per month less than fair market value be charged and be entered into without competitive bidding;

NOW, THEREFORE BE IT ORDAINED, the City, in consideration of the rents, covenants, and agreements mentioned herein, reserved, and contained on the part of Shaundy's Dog Grooming to be paid, kept, and performed, does hereby authorize Shaundy's to operate a dog grooming business at the City's Animal Shelter in accordance with the terms and conditions contained and referred to herein and to be spelled out in a formal lease to be developed upon approval of this ordinance.

1. **Premises**. The City agrees to allow the Shaundy's Dog Grooming exclusive use of space in the building in the Townsite of Bethel, State of Alaska, Fourth Judicial District, Bethel Recording District commonly known as the **Bethel Animal Shelter**, and more fully described as:

1225 Ridgecrest Drive, Bethel, AK.

Green single-story building on west side of Ridgecrest Drive between the City's Public Works building and the City's Recycle building.

NOW, THEREFORE BE IT FURTHER ORDAINED by the City Council of Bethel, Alaska, that:

SECTION 1. Classification. This ordinance is of a general nature and shall not become a part of the Bethel Municipal Code.

SECTION 2. Authorization. Pursuant to Bethel municipal Code 04.08.030 B., Disposal to Entity Providing Necessary Public Service, the City Manager is authorized to:

Execute the Lease Agreement between the City of Bethel and the Shaundy's Dog Grooming subject to the terms and conditions in the Lease.

A. Term. The term of this lease shall be from December 7, 2013, through and including December 6, 2014 unless terminated earlier in accordance with this Lease. This Lease is revocable at the will of the City or Shaundy's upon not less than one hundred twenty (120) days advanced written notice to Shaundy's or City. If the lessee wishes to renew the Lease, the lessee shall make written application to the City Clerk

Introduced by: City Manager Foley
Date: November 12, 2013
Public Hearing: November 26, 2013
Action:
Vote:

for renewal of the Lease at least one-hundred eighty (180) days prior to expiration. The renewal request shall contain all terms proposed for the renewal of the Lease.

B. City Responsibility. The City of Bethel will modify its Animal Shelter building to suit the operational needs of a Shaundy's Dog Grooming, including making improvements to one or more of the following areas: water and sewer facilities, walls, doors, elecrtrical system, ventilation, and land;

C. Use. It is understood and agreed that the premises described shall be utilized by Shaundy's solely for the purposes of operating a dog grooming business that satisfies the provision of a necessary public service as determined by the passage of this ordinance.

D. Cost. The City Manager shall negotiate a monthly lease payment to be paid to the City by Shanudy's over the duration of the lease that may not exceed $250 per month.

SECTION 3.Effective Date. This ordinance shall become effective immediately upon passage by Bethel City Council.

SECTION 4. Expiration Date. Provided under the terms of Section 2, A.

BE IT ENACTED BY THE CITY COUNCIL OF THE CITY OF BETHEL ALASKA, THIS 12th DAY OF NOVEMBER 2013, BY A VOTE OF___ IN FAVOR AND ___ OPPOSED.

_____
Joseph A. Klejka, Mayor

ATTEST:

_____
Lori Strickler, City Clerk

AM 13-25: City of Bethel Water And Sewer Rate Increase Plan Of Action (Mayor Klejka)

A copy of 13-25 will be provided to the Council electronically on Friday November 8, as well as available to the public through the City of Bethel website, www.cityofbethel.org.

Mayor Klejka, City Manager Foley, City Attorney Burley and the City Clerk will be meeting with Kurt Playstead Thursday, November 7, to discuss the Water and Sewer Rate Study. From that discussion the Mayor will present to the Council an AM , directing City Administration on how to proceed with the water and sewer rate increases which will be provided to the Council in ordinance form.

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

Contents

Exhibits

Executive Summary

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

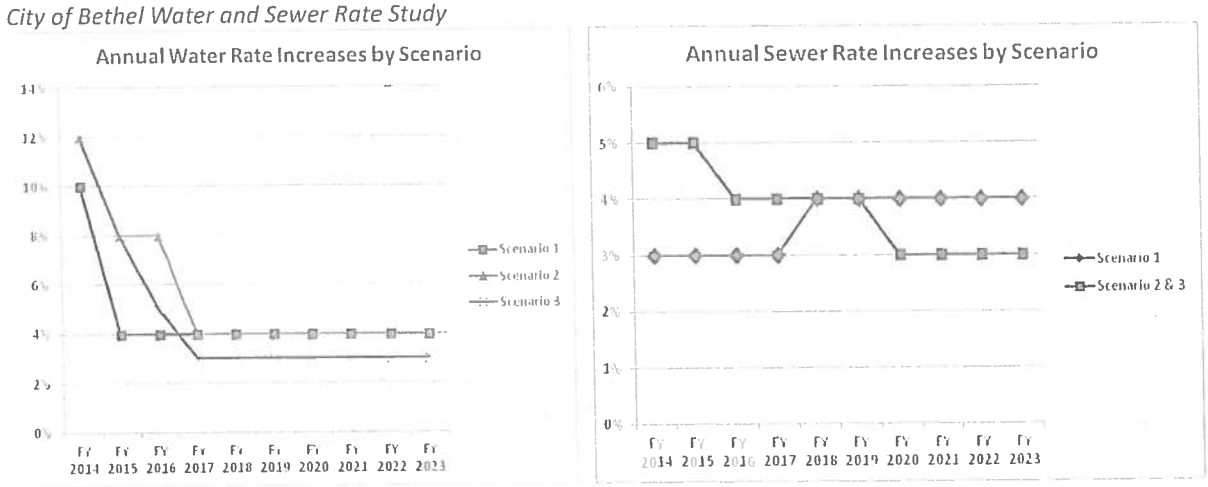
Currently, the water and sewer utility is not generating adequate revenues to cover operating expenses. In FY 2010/11, the Water and Sewer Utility fund received an interfund transfer from the General Fund in the amount of $667,000 to offset operating losses. In the next two budget cycles, the Water and 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, FY 2013
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, FY 2013
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, FY 2013
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, FY 2013
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, FY 2013
City of Bethel Water and Sewer Rate Study

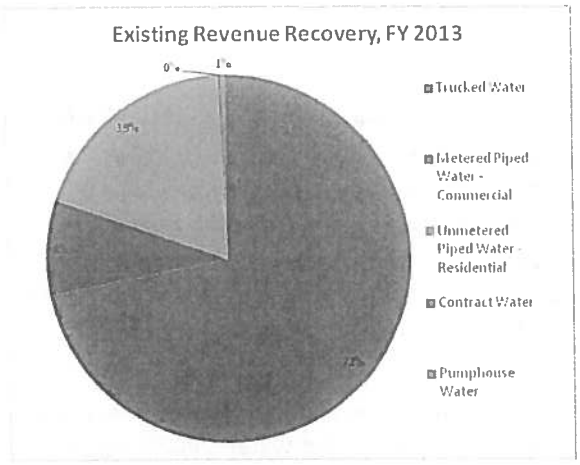
Cost Center	Hauled	Piped	Total
Hauled Water-logistics	$779,090	$0	$779,090
Total	$1,926,813	$1,211,304	$3,138,117
% of Total Cost	61%	39%	
Total Water Produced	31,057,646	46,263,490	77,321,136
$/000 gallons Produced	$62.04	$26.18	$40.59

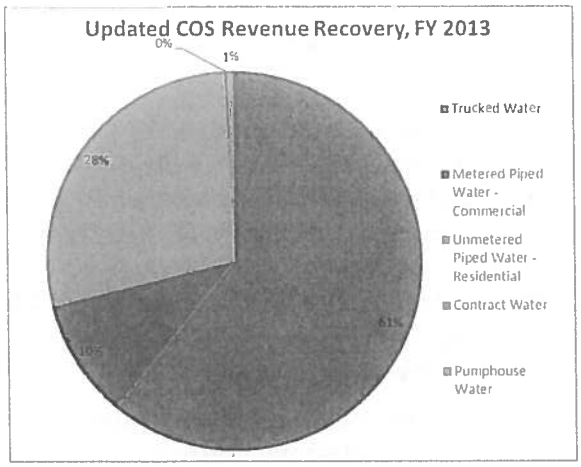
Providing service to the hauled water system requires 9 service trucks driving approximately 9,500 miles per year per truck, or nearly 86,000 miles total. The total cost of providing service to the hauled system, including water treatment, water supply, and pumping costs, was estimated to be nearly $1.9 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, FY 2013
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, FY 2013
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, FY 2013
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.

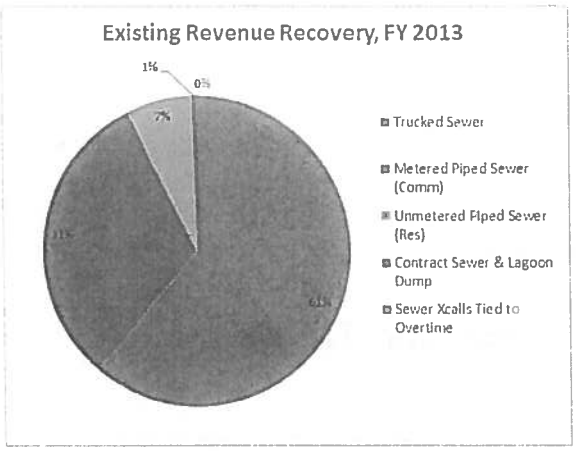
EXHIBIT ES-8
Development of Estimated Customer Class Cost of Service, FY 2013
City of Bethel Water and Sewer Rate Study

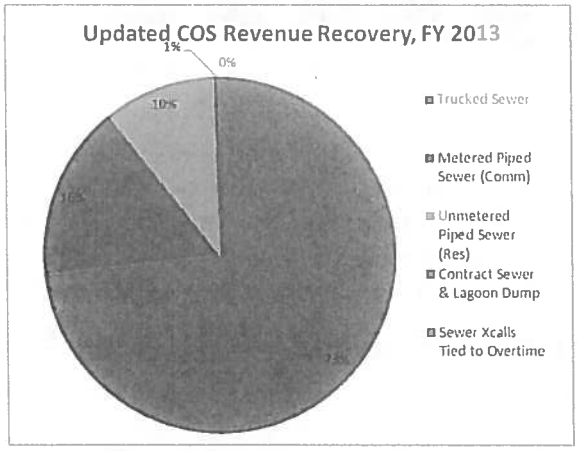
Cost Center	Hauled	Piped	Total
Billing	$63,167	$26,623	$89,791
O&M Lagoon	$39,373	$90,068	$129,441
Piped Sewer	$83,442	$491,747	$575,189
Hauled Sewer-pumping	$887,900	0	$887,900
Hauled Sewer-logistics	$716,409	0	$716,409
Total	$1,790,292	$608,439	$2,398,730
% of Total	75%	25%	
Total Effluent	27,951,881	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, FY 2013
City of Bethel Water and Sewer Rate Study





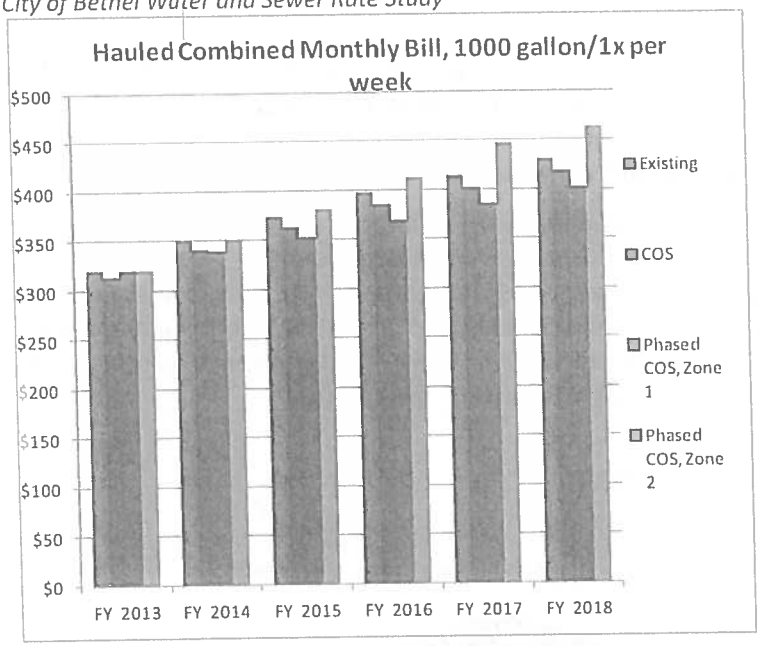
Water and Sewer Rate Design

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

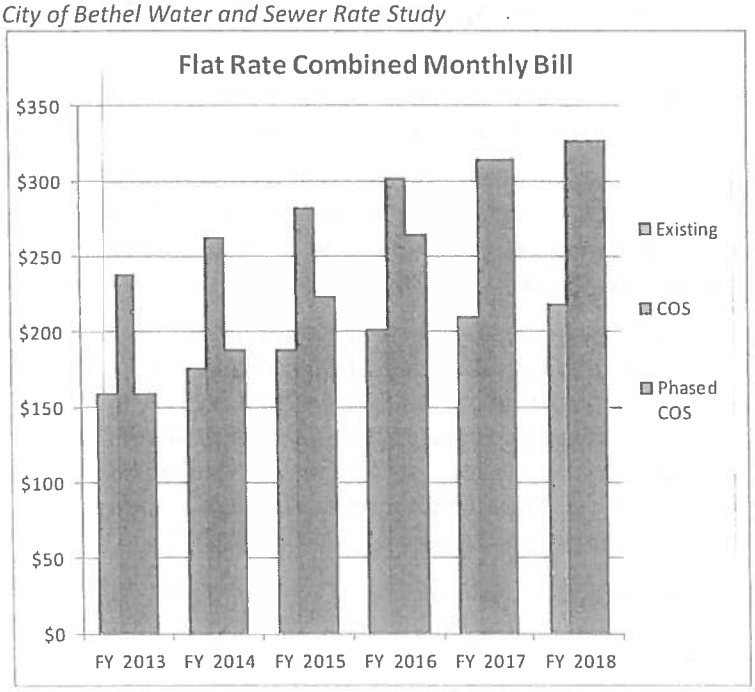
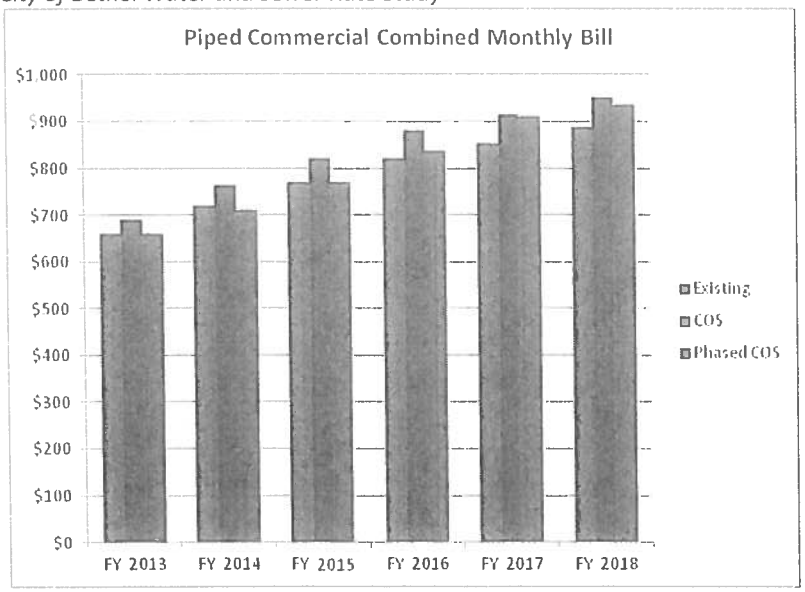


EXHIBIT ES-12
Combined Monthly Water and Sewer Bill, Piped Commercial
City of Bethel Water and Sewer Rate Study



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

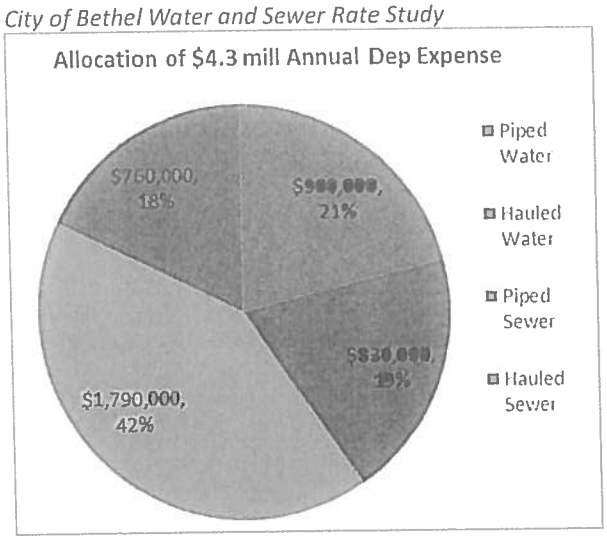


Exhibit ES-14 presents the depreciation cost per thousand gallons of billable units assuming the City funds the depreciation expense associated with full system replacement. In order to account for current contributions to capital and fleet and replacements, estimated subscription fee and fleet replacement 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.

SECTION 1

Introduction

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.

SECTION 2

Financial Plan

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.

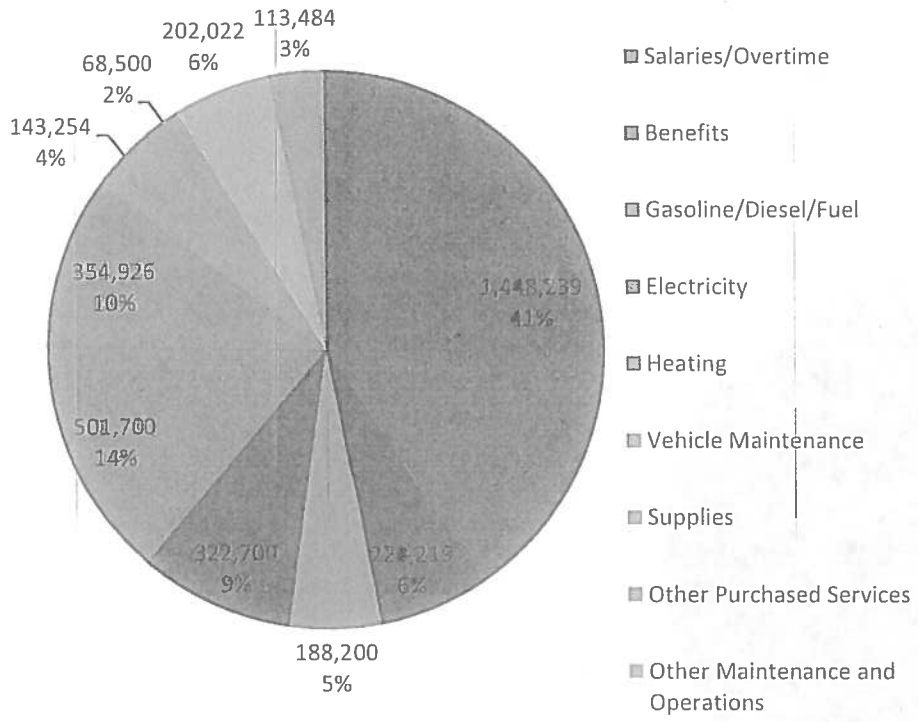
EXHIBIT 2-1
Historical and Budgeted O&M Costs
City of Bethel Water and Sewer Rate Analysis

	Actual FY 2010	Actual FY 2011	Budget FY 2012	Budget FY 2013
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
Total Water Utility O&M	**3,171,473**	**3,381,699**	**3,484,211**	**3,571,245**

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
FY 2012/13 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.

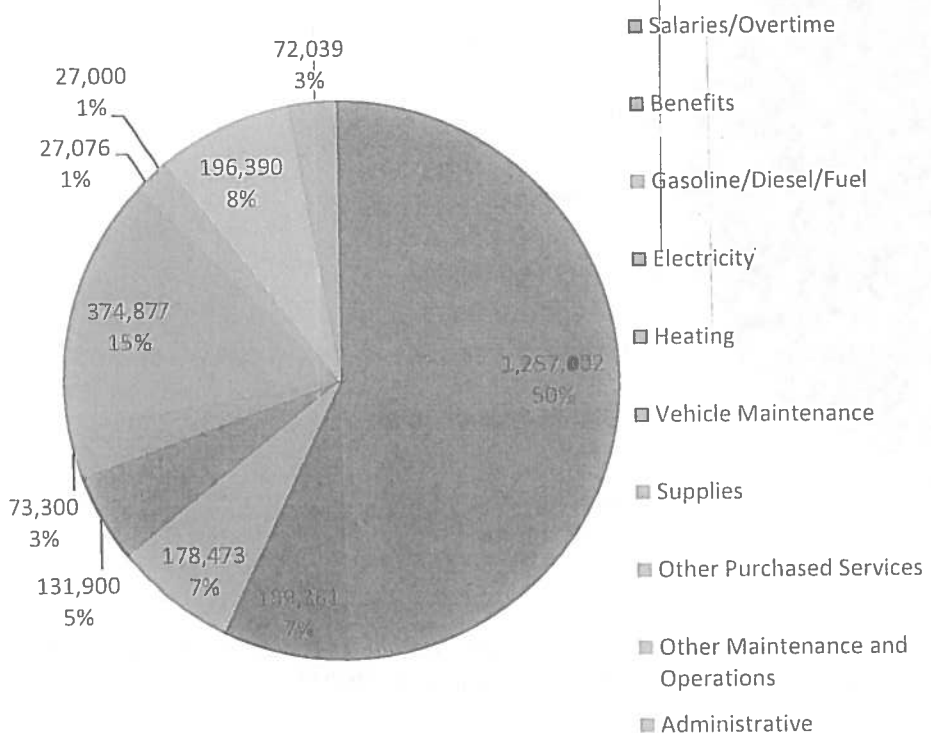
EXHIBIT 2-3
Historical and Budgeted O&M Costs
City of Bethel Water and Sewer Rate Analysis

	Actual FY 2009-10	Actual FY 2010-11	Budget FY 2011-12	Budget FY 2012-13
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
Total Sewer Utility O&M	**2,146,401**	**2,279,498**	**2,389,760**	**2,527,437**

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
FY 2011/12 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.

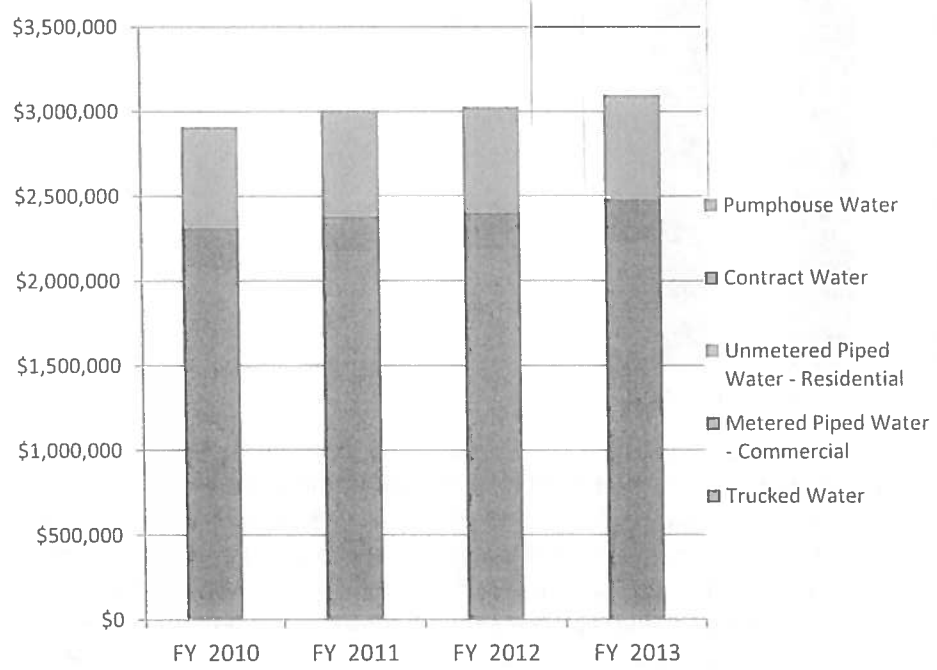
The City has approximately 1,600 water customers. The piped water system has approximately 400 residential customers and 40 commercial accounts. The hauled water system has approximately 1,200 customers. Currently,

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



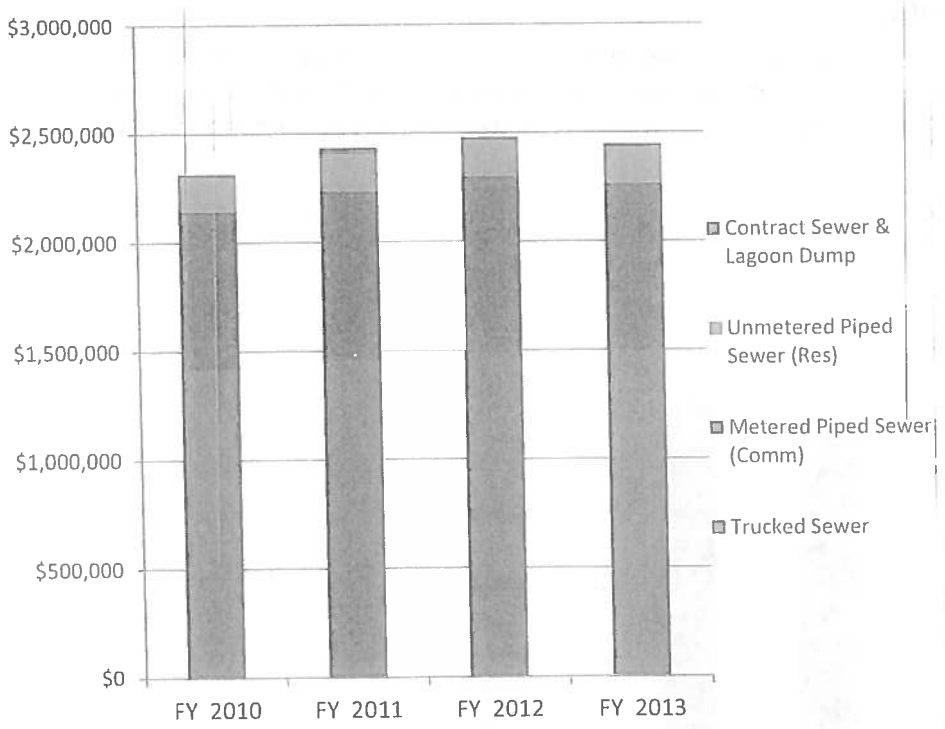
2.3.2 Sewer Rate Revenues

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

	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	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

	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	3,953	98,096	171,714	316,591	484,477	671,214	871,565	1,045,406	1,181,140	1,265,294
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	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 then 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 (Larson 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

	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	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

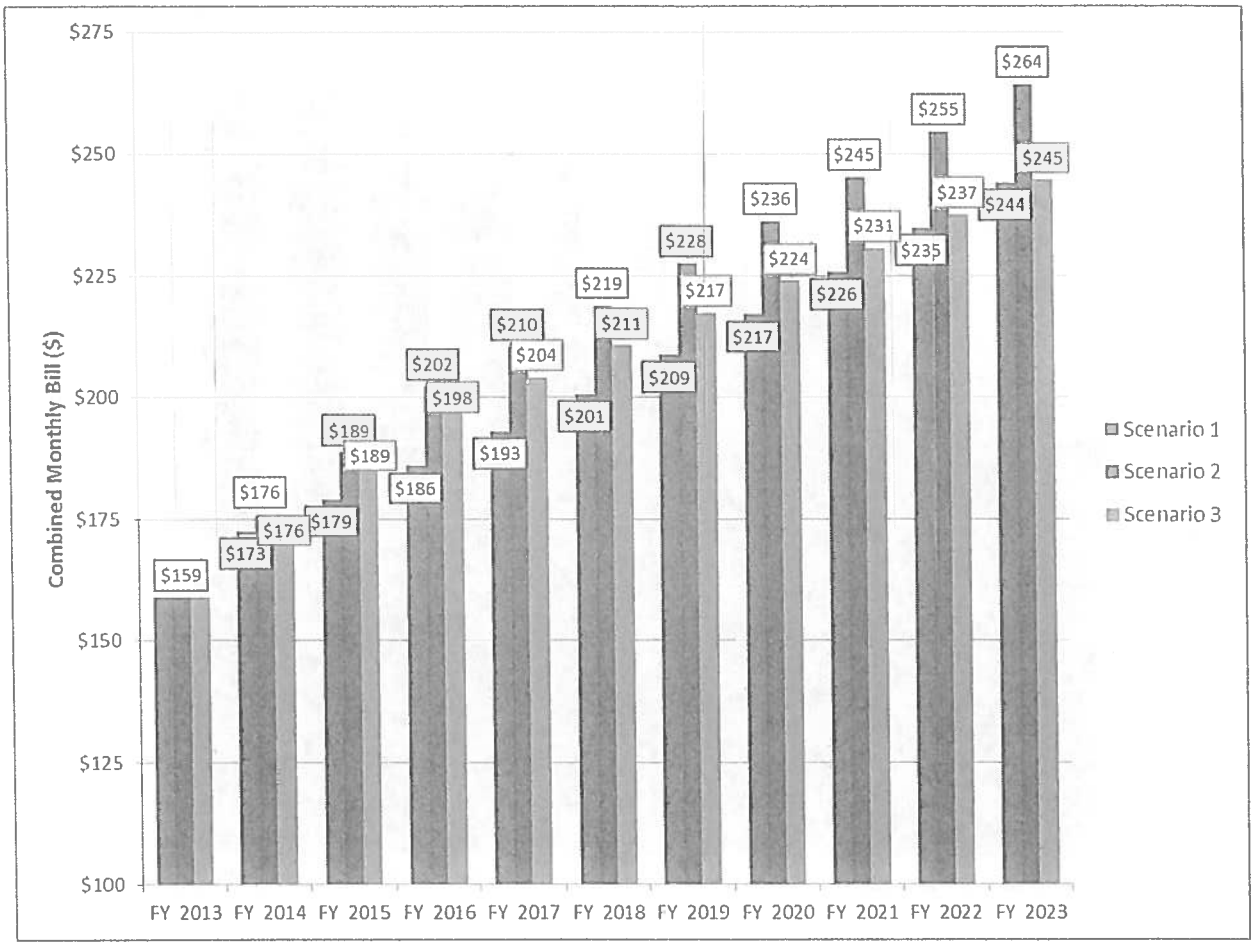
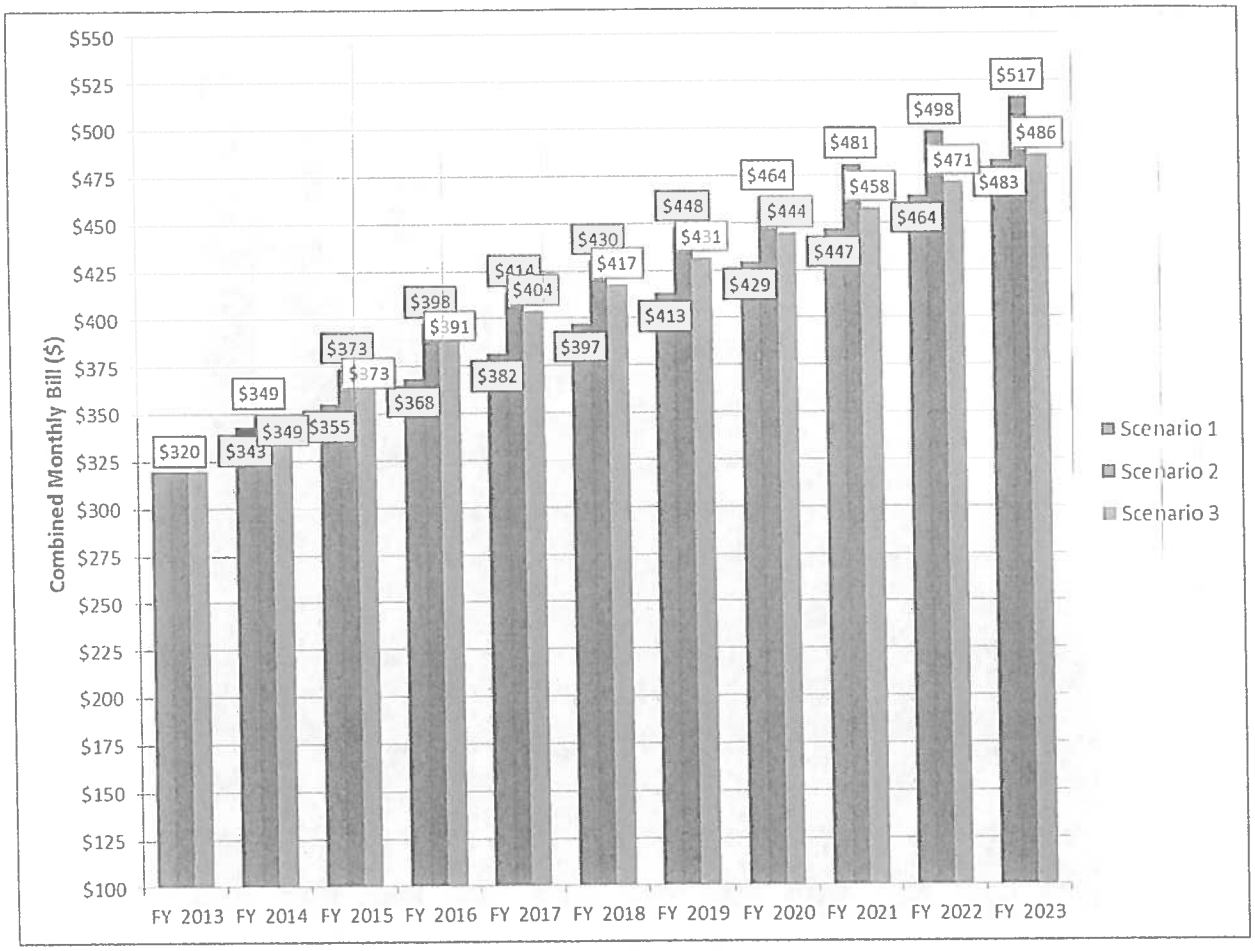


EXHIBIT 2-11

Comparison of Combined Average Monthly Residential Bill, Hauled Residential 1000 gallon/1x per week

City of Bethel Water and Sewer Rate Study



SECTION 3

Allocation of System Operating Costs

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

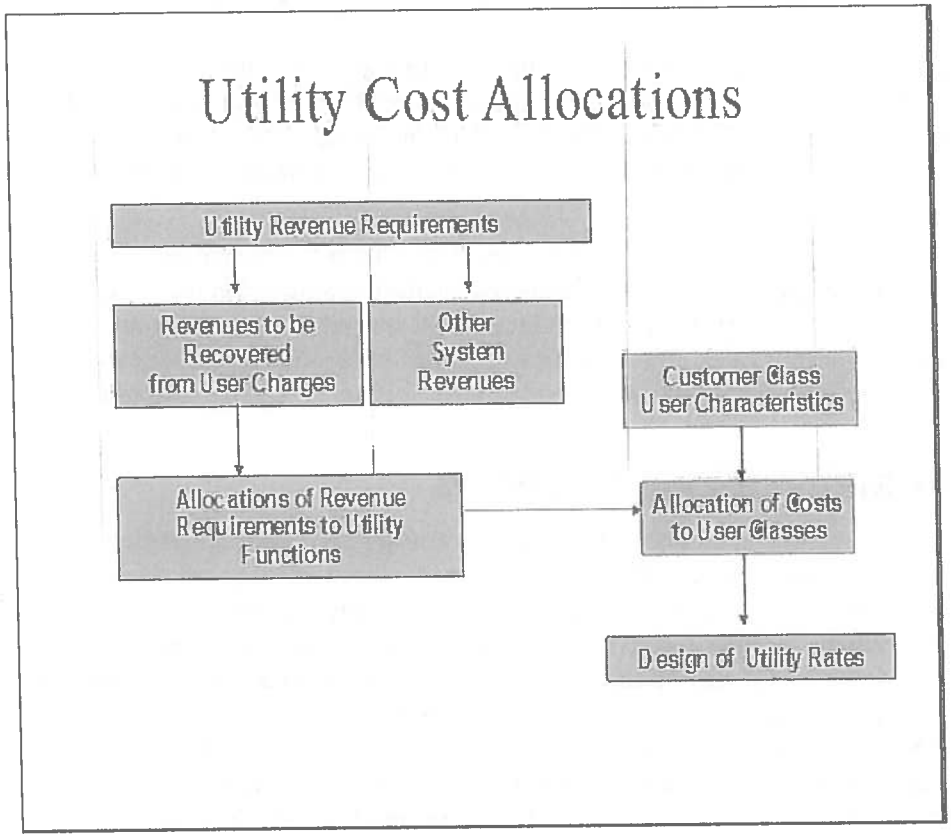
This section presents the allocation of the water system costs to the water system users, following a multi step cost allocation process by which the System revenue requirements are first allocated to wastewater system functions or services provided by the utility. The costs allocated to each function 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. **Exhibit3-3** 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	1,239,208	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	5,599,216	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, FY 2012/13

City of Bethel Water and Sewer Rate Study

Cost Center	FY 2012/13
Billing	$89,504
O&M Treatment Plants	$1,475,585
Piped Water	$399,819
Hauled Water	$1,640,284
Total Revenue Requirement	**$3,605,192**
Less:	
Non Rate Revenue	-4,751
Transfer from General Fund	385,000
PERS	86,826
Subtotal	467,075
Total Rate Revenue Requirement	**$3,138,117**

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
• 51-80 Billing	• Customer service • Billing	• Costs allocated between hauled and piped customers	• Allocated based on Number of Accounts
• 51-81 O&M Hauled Water	• Distribution • 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 $/1000 gallon of tank capacity • Estimate % of labor spent on pumping based on 90 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
• 51-82 O&M Piped Water • 51-83/84 O&M Treatment Plants	• Distribution • Pumping • Supply • Treatment • Pumping	• All costs allocated to piped water • Treatment plant serves both piped and hauled water customers; • Every gallon of water used is heated and treated; • Electricity costs allocated to three pumps: well, circulating loop, and truck filling pump; • Heating costs are used for treatment and recirculation	• Allocate costs based on % of total water consumed between residential (estimate volume) and commercial • All Electricity and Heating Well/Treatment costs will be allocated to hauled and piped customers based on % of total water consumed • All Electricity recirculation costs will be allocated to Piped customers • All Electricity costs associated with truck filling allocated to hauled system • All other costs allocated based on % of total water delivered to piped and hauled system

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
Billing					
Personnel					100%
Other O&M					100%
Water Treatment					
Personnel Costs	65%	25%		10%	
Electricity	65%	25%		10%	
Heating	80%	20%			
Supplies	65%	25%		10%	
Other O&M Costs	65%	25%		10%	
O&M Piped Water					
Personnel		100%			
Other O&M costs		100%			
O&M Hauled Water					
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
Billing							
Personnel						$62,534	$62,534
Other O&M						$13,684	$13,684
Treatment							
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
O&M Piped Water							
Personnel			$226,160				$226,160
Other O&M costs			$117,583				$117,583
O&M Hauled Water							
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
Total	$540,744	$363,013	$648,049	$779,090	$731,002	$76,218	$3,138,117

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, FY 2013
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, FY 2013
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, FY 2013
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
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 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.

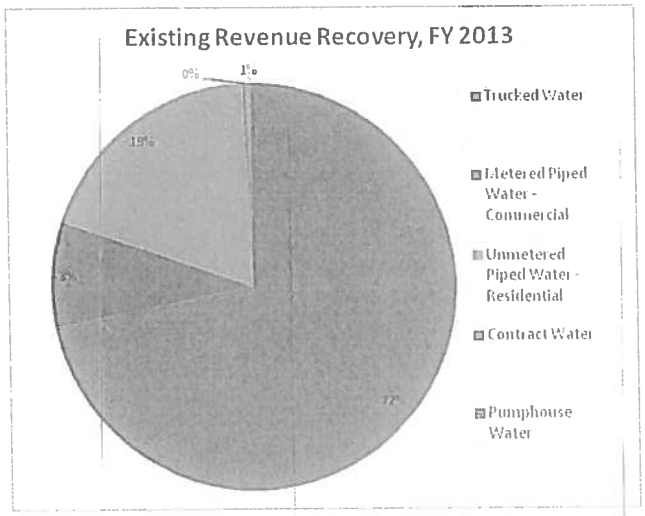
3.3.1 Operating Costs

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.

EXHIBIT 3-13
Water Cost of Service Revenue Recovery by Customer Class, FY 2013
City of Bethel Water and Sewer Rate Study



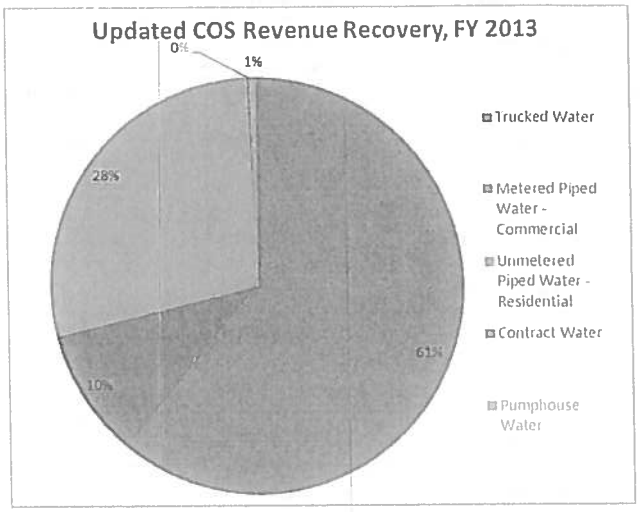


EXHIBIT 3-14
Sewer System Revenue Requirement Projections
City of Bethel Water and Sewer Rate Study

	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
Revenue Requirements											
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
Total Rev Requirement	2,563,490	2,671,299	2,785,815	2,907,596	3,037,246	3,175,432	3,322,880	3,480,385	3,648,820	3,829,139	4,022,387
Less: Non Rate Revenue	64,760	65,451	66,165	66,726	67,622	68,840	70,364	72,167	73,541	74,368	74,512
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
Total Requirements from Rates	2,398,730	2,555,848	2,719,650	2,840,870	2,969,625	3,106,592	3,252,516	3,408,219	3,575,279	3,754,771	3,913,149

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 centers 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, FY 2012/13
City of Bethel Water and Sewer Rate Study

Cost Center	FY 2012/13
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, FY 2012/13
City of Bethel Water and Sewer Rate Study

Cost Center	FY 2012/13
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
Billing						
Personnel					$73,791	$73,791
Other O&M					$15,999	$15,999
O&M Lagoon						
Personnel Costs	$80,713					$80,713
Other O&M Costs	$48,728					$48,728
O&M Piped Sewer						
Personnel		$315,305		$53,503		$368,807
Other O&M costs		$176,442		$29,940		$206,382
O&M Hauled Sewer						
Personnel Costs			$410,724	$509,042		$919,766
Gas/Diesel			$55,657	$68,980		$124,638

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
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, FY 2013
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, FY 2013
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, FY 2013
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
Total	$1,790,292	$608,439	$2,398,730
% 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.

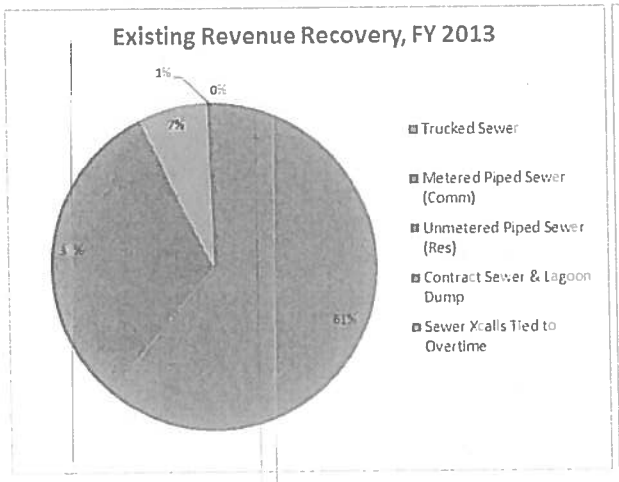
For the piped system, there is approximately 77,000 linear feet of sewer pipe and service lines. The total cost of providing service to the piped system was estimated to be approximately $608,000. The average cost per linear foot of sewer pipe is approximately $8.00 per linear foot. It should be noted 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.

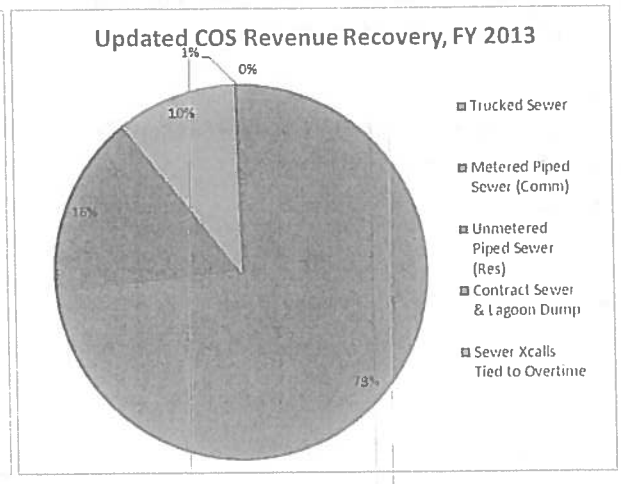
Exhibit 3-25 presidents the revenue recovery by customer class under calculated cost of service rates and existing rates. Hauled sewer customers are allocated 73 percent of total requirements under cost of service versus 61 percent under existing rates. Piped commercial customers are allocated 16 percent 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, 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	$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, 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
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, FY 2012/13
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, FY 2013
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

		COS Rates	
Customer Class	Existing	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:
[1] 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, FY 2013
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, FY 2013
City of Bethel Water and Sewer Rate Study

		COS Rates		% Change from Existing	
Customer Class	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	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
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

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Annual Projected Rate Increase		12%	8%	8%	4%	4%	4%	4%	4%	4%	4%
Hauled Water, 1000 Gallons/1x per week											
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
1 Zone Phased COS	$196.69	$209.53	$216.92	$224.58	$232.50	$241.80	$251.47	$261.53	$272.00	$282.87	$294.19
Phased COS Zone 1	$196.69	$204.83	$207.15	$209.51	$211.89	$220.36	$229.18	$238.34	$247.88	$257.79	$268.11
Phased COS Zone 2	$196.69	$217.73	$234.49	$252.53	$271.97	$282.85	$294.16	$305.93	$318.17	$330.89	$344.13
Hauled Water, 500 gallons/1x per week											
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
1 Zone Phased COS	$110.95	$121.12	$132.80	$145.61	$159.65	$166.04	$172.68	$179.59	$186.77	$194.24	$202.01
2 Zone Phased COS Zone 1	$107.52	$117.09	$124.00	$131.31	$139.06	$144.62	$150.41	$156.43	$162.68	$169.19	$175.96
2 Zone Phased COS Zone 2	$107.52	$127.85	$148.18	$171.75	$199.07	$207.03	$215.31	$223.93	$232.88	$242.20	$251.89
Piped Residential Monthly Flat Rate ($/mo)											
Existing	$125.08	$140.09	$151.30	$163.40	$169.94	$176.73	$183.80	$191.16	$198.80	$206.75	$215.02
COS	$187.72	$210.24	$227.06	$245.23	$255.04	$265.24	$275.85	$286.88	$298.36	$310.29	$322.70
Phased COS	$125.08	$149.47	$178.61	$213.43	$255.04	$265.24	$275.85	$286.88	$298.36	$310.29	$322.70
Piped Commercial Rate ($/000 gallons)											
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, FY 2012/13
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, FY 2013
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

		COS Rates	
Customer Class	Existing	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:
[1] 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	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
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

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Annual Projected Rate Increase		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

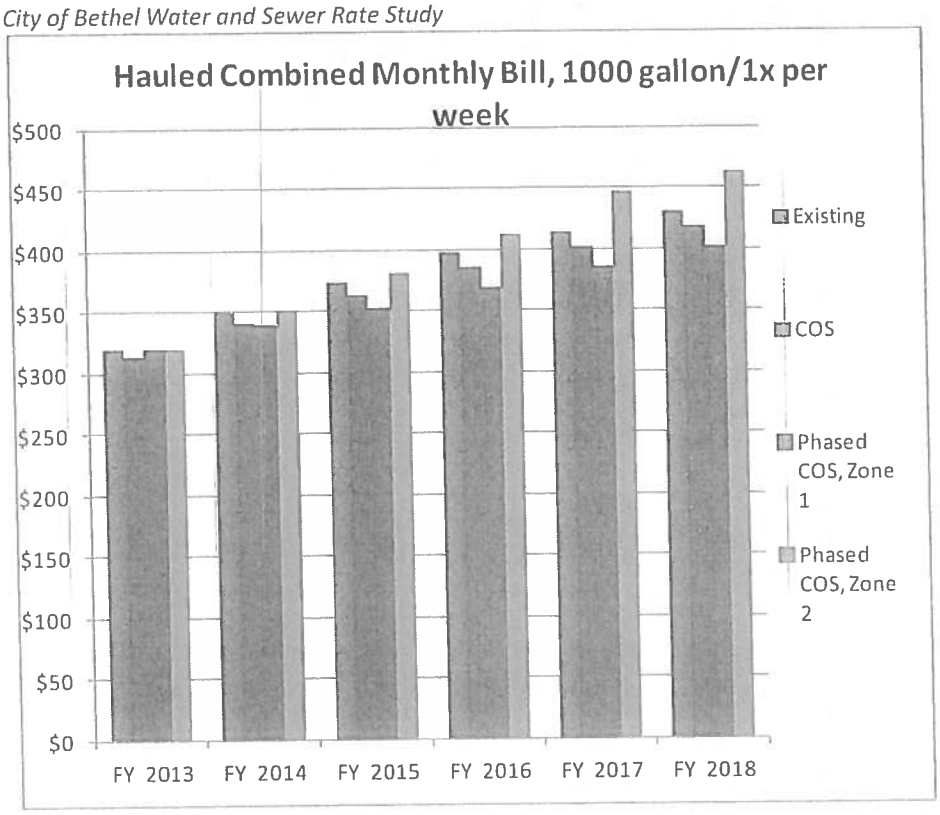


EXHIBIT 4-16
Combined Monthly Water and Sewer Bill, Flat Rate Piped Residential
City of Bethel Water and Sewer Rate Study

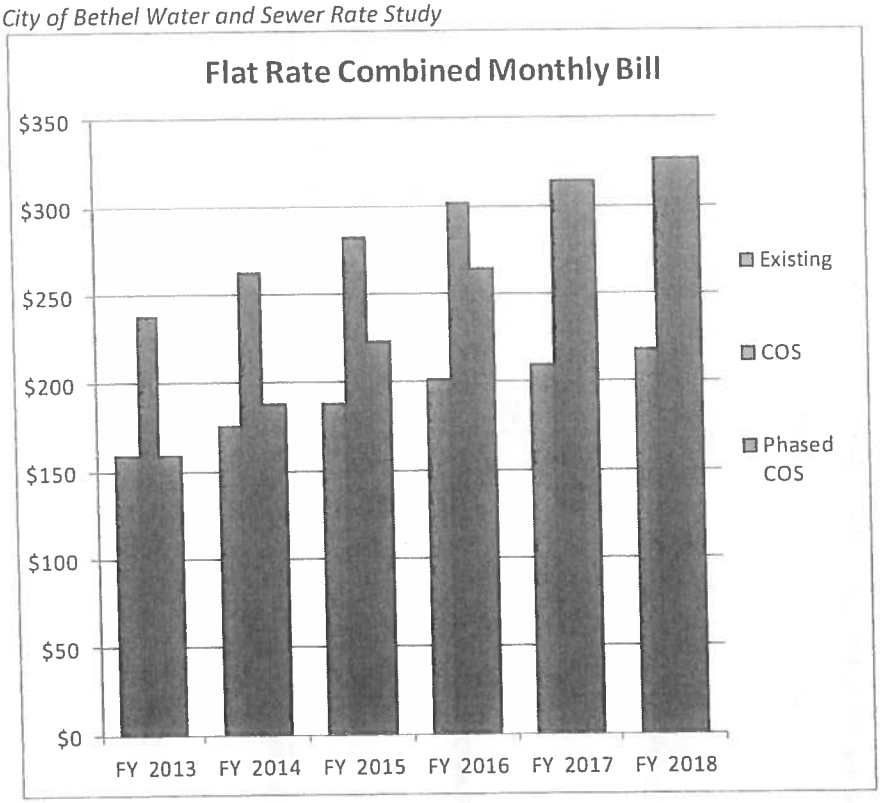
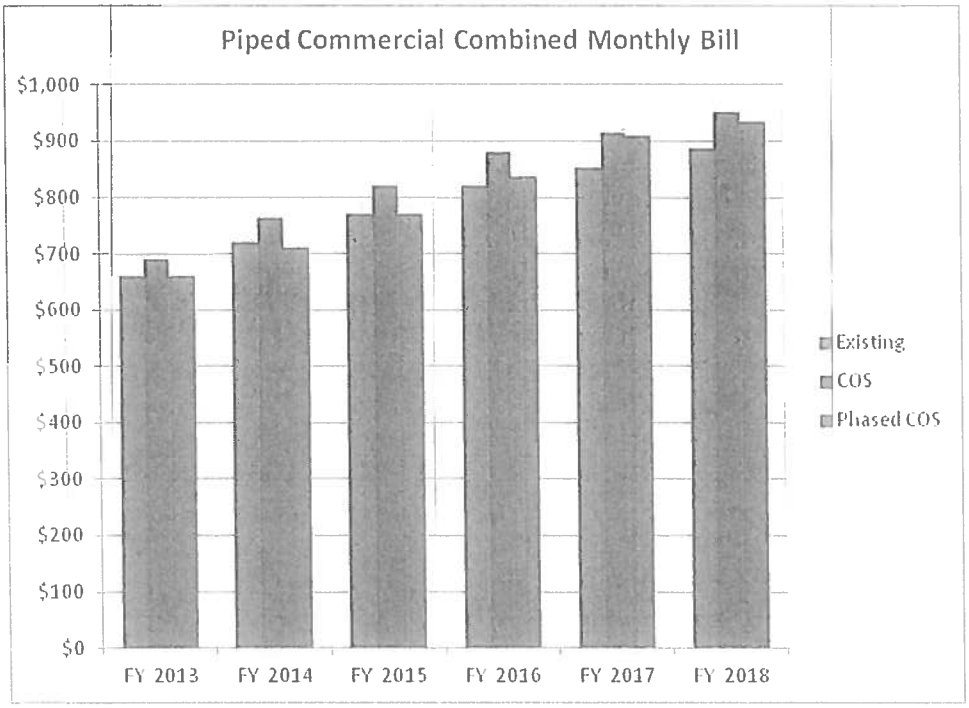


EXHIBIT 4-17
Combined Monthly Water and Sewer Bill, Piped Commercial
City of Bethel Water and Sewer Rate Study



SECTION 5

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	Piped	Hauled	Piped	Hauled	Piped	Hauled
City Subdivision														
Loop A														
Water Main	12,156	l.f.	$200	$2,431,200	50	$48,624	100%	0%	100%	0%	$48,624	$0	$0	$0
Sewer Main	8,607	l.f.	$200	$1,721,400	50	$34,428	0%	100%	100%	0%	$0	$0	$34,428	$0
Service Lines	4,596	l.f.	$200	$919,200	50	$18,384	50%	50%	100%	0%	$9,192	$0	$9,192	$0
Loop B														
Water Main	9,375	l.f.	$200	$1,875,000	50	$37,500	100%	0%	100%	0%	$37,500	$0	$0	$0
Sewer Main	6,740	l.f.	$200	$1,348,000	50	$26,960	0%	100%	100%	0%	$0	$0	$26,960	$0
Service Lines	7,400	l.f.	$200	$1,480,000	50	$29,600	50%	50%	100%	0%	$14,800	$0	$14,800	$0
Loop C														
Water Main	1,364	l.f.	$200	$272,800	50	$5,456	100%	0%	100%	0%	$5,456	$0	$0	$0
Sewer Main	1,367	l.f.	$200	$273,400	50	$5,468	0%	100%	100%	0%	$0	$0	$5,468	$0
Service Lines	2,481	l.f.	$200	$496,200	50	$9,924	50%	50%	100%	0%	$4,962	$0	$4,962	$0
Bethel Heights														
Loop A														
Water Main	18,650	l.f.	$200	$3,730,000	50	$74,600	100%	0%	100%	0%	$74,600	$0	$0	$0
Sewer Main	14,000	l.f.	$200	$2,800,000	50	$56,000	0%	100%	100%	0%	$0	$0	$56,000	$0
Loop B														
Water Main	9,650	l.f.	$200	$1,930,000	50	$38,600	100%	0%	100%	0%	$38,600	$0	$0	$0
Sewer Main	7,000	l.f.	$200	$1,400,000	50	$28,000	0%	100%	100%	0%	$0	$0	$28,000	$0
Sewer Main														

EXHIBIT 5-1

Estimated System Replacement Cost and Annual Depreciation Expense

City of Bethel Water and Sewer Rate Study

							Allocation				Water Depreciation		Sewer Depreciation	
Description	Quantity	Unit	Unit Cost	Total	Design Life	Annual Dep	Water	Sewer	Piped	Hauled	Piped	Hauled	Piped	Hauled
FAA LS to QFC2 LS	5,000	l.f.	$200	$1,000,000	50	$20,000	0%	100%	85%	15%	$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	$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	$51,000	$9,000
Service Lift Stations														
Residential	176	ea	$20,000	$3,520,000	25	$140,800	0%	100%	100%	0%	$0	$0	$140,800	$0
Commercial	10	ea	$50,000	$500,000	25	$20,000	0%	100%	100%	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	$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	$102,000	$18,000
Kilbuck (1979)	1	each	$1,200,000	$1,200,000	25	$48,000	0%	100%	100%	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	$48,000	$0
ASHA/Bethel Heights	1	each	$1,200,000	$1,200,000	25	$48,000	0%	100%	100%	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	$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	$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
Well	2	each	$400,000	$800,000	30	$26,667	100%	0%	60%	40%	$16,000	$10,667	$0	$0
Water Storage Tank	428,000	gallon	$2	$856,000	40	$21,400	100%	0%	60%	40%	$12,840	$8,560	$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
Well	1	each	$400,000	$400,000	30	$13,333	100%	0%	60%	40%	$8,000	$5,333	$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

EXHIBIT 5-1

Estimated System Replacement Cost and Annual Depreciation Expense

City of Bethel Water and Sewer Rate Study

							Allocation				Water Depreciation		Sewer Depreciation	
Description	Quantity	Unit	Unit Cost	Total	Design Life	Annual Dep	Water	Sewer	Piped	Hauled	Piped	Hauled	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

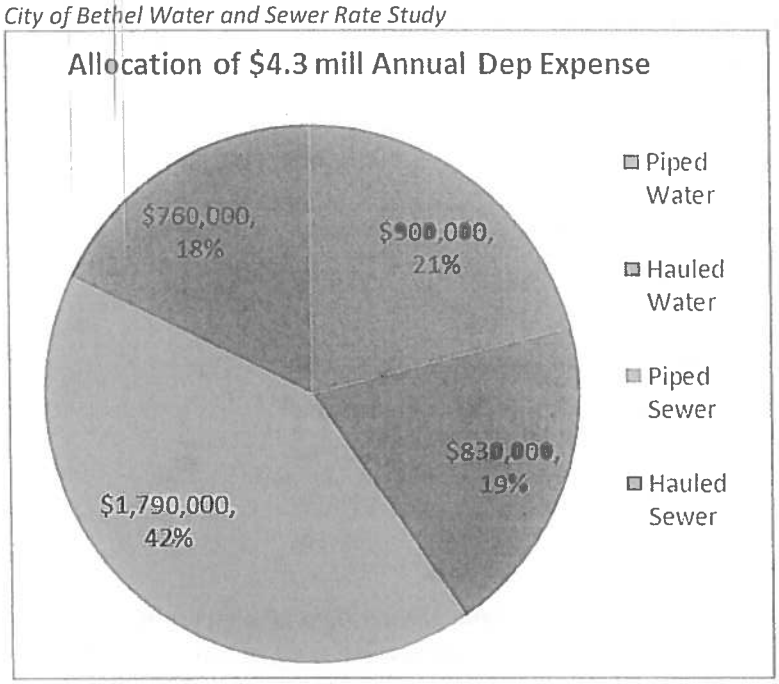


Exhibit 5-3 presents the estimated annual depreciation expense for each customer class per 1,000 gallons of water or sewer flow produced.

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*5000/1000=$134.82) and $138 per month for sewer ($27.55*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*4000/1000=$64.20) and $47 for sewer service ($11.75*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*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*4000/1000=$8.41) and $6.36 for sewer service ($1.59*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.

SECTION 6

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). 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.

Appendices

APPENDIX A

Cash Flow, Scenario 2

EXHIBIT A-1

Projected Cash Flows, FY2012/13 through FY 2022/23, 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
Total Sources of Funds	**6,172,635**	**6,542,684**	**6,909,873**	**7,367,439**	**7,868,717**	**8,411,281**	**8,991,788**	**9,572,183**	**10,143,134**	**10,693,644**	**11,210,843**
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 FY 2022/23, 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
Total Uses of Funds	**6,172,635**	**6,542,684**	**6,909,873**	**7,367,439**	**7,868,717**	**8,411,281**	**8,991,788**	**9,572,183**	**10,143,134**	**10,693,644**	**11,210,843**

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

FY 2011

Month	Influent	Effluent	Truck A	Truck B	Truck Total	Piped Demand
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
Total	47,480,829	42,629,655	1,072,000	22,741,000	23,813,000	11,747,900
Ratio of Inf/Eff for full month:			35,423,548	31,804,281	1.11	

FY 2012

Month	Influent	Effluent	Truck A	Truck B	Truck Total	Piped Demand
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
Total	49,840,443	42,276,630	0	23,866,000	23,866,000	10,968,700
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 FY 2011

FY 2011

			Truck Gallons		
Month	Effluent	Demand	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
Total	34,802,032	34,905,190	4,064,965	3,021,207	7,086,172

EXHIBT B-6

Bethel Heights Treatment Plant, FY 2012 Truck Usage

	Truck Filling Meter Reads			Truck Usage			
Month	FF	BF	Total	FF	BF	Total	Gallons
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
Total							6,125,100
Average for 10 months							612,510
Estimated Usage for 12 months							7,350,120

EXHIBIT B-7

Summary of City Subdivision Metered Data

Month	Year	Total Consumption	Number of Meters Read	Average
December	2011	308,248	80	3,853
February	2012	576,951	115	5,017
March	2012	558,550	108	5,172
May	2012	478,200	111	4,308
July	2012	374,650	100	3,747
August	2012	487,898	102	4,783
Total		**2,784,497**	**616**	**4,520**

EXHIBIT B-8

Cost per Household in City Subdivision to Operate Circulation Pumps

Assumptions:

Amps	0.74	per Bill Arnold from electrician
Volts	110	per Bill Arnold
Hours per Day	24	per Bill Arnold
Days of Operation	240	per Bill Arnold
Number of Pumps	2	per Bill Arnold
Average $/kWh	$0.15	per Bill Arnold from utility
kW = Amps * Volts/1000	0.0814	kW
kWh/yr = kW * Hours per Day * # of Days/yr	468.864	kWh/yr
Annual Cost= kWh * $/kWh	$70.33	$/year

APPENDIX C

Water Rate Schedules

Across the Board Increases Monthly Rate Schedules FY 2014-18

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 FY 2014-18

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: FY 2014-18

Zone 1 Phased COS Rate Schedule, FY 2014

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 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 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 COS Zone 1, FY 2017

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 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 COS Zone 1, FY 2018

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, FY 2016 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 COS Zone 2, FY 2017

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 COS Zone 2, FY 2018

Capacity	1 time/month	2 times/month	1 time/week	2 times/week	3 times/week	4 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

APPENDIX D

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 FY 2014-18

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

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	$90.90	$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

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	$53.90	$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, FY 2014

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, FY 2015

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, FY 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	$90.90	$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

City of Bethel Action Memorandum

Action memorandum No.	13-26		
Date action introduced:	10-22-2013	Introduced by:	Mayor Klejka
Date action taken:		☐ Approved	☐ Denied
Confirmed by:			

SUBJECT/ACTION: *Approve Mayor re appointment of Frank Neitz to the Public Works Committee.*

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

Attachment(s): Application

Amount of fiscal impact		Account information:
X	No fiscal impact	
	Funds are budgeted for.	
	Funds are not budgeted. Budget modification is required. Affected account number:	

Action memorandum 13-26 is sponsored by the Mayor at the request of the City Clerk.

Frank Neitz has requested reappointment to the Public Works Committee. If appointed, he would be appointed to a term of three years with a term expiration of December 31, 2016.

Office of the City Clerk
City of Bethel
300 State Highway
Bethel, AK 99559-1388
Phone: (907)-543-1384
Fax: (907)-543-3817

APPLICATION FOR APPOINTMENT TO A COMMITTEE OR COMMISSION

Committee(s)/Commission(s) of interest:

__ Energy Committee
__ Parks and Recreation Committee
__ Finance Committee
X Public Works Committee
__ Port Commission
__ Public Safety and Transportation Commission
__ Planning Commission

All Planning Commissioners are required to provide an Alaska Public Offices Commission (APOC) Statement to the City Clerk's Office within 30 days of appointment. Commissioners must continue to provide an updated APOC statement to the clerk's office by the 15th of March annually.

NAME: Frank Neitz

MAILING ADDRESS: Box

RESIDENCE ADDRESS:

HOME PHONE: —

WORK PHONE:

CELL PHONE:

E-MAIL:

OCCUPATION:

EMPLOYER: ANTHC

1. Do you (or an immediate family member) currently own or operate a business in the City of Bethel? If so please provide the name and the type of business.

No

2. Are you (or an immediate family member) a member of a board of directors, officer of, or hold a management position with, an organization that has financial dealings of one thousand dollars or more in value with the city of Bethel? If so please provide the name and the type of business.

No

3. Do you currently have a direct or indirect financial of business interest with the City of Bethel, to include contracting, leaseholder, employee? If so please provide the name and the type of business.

No

4. Are you a resident of the City of Bethel? X Yes __ No If so, for how long? 29 yrs

5. Does your schedule permit you to regularly attend required meetings: X Yes __ No

I understand that this is a voluntary, appointed position to be confirmed by the Bethel City Council. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media outlet.

I have read Chapter 2.05 of the Bethel Municipal Code regarding Responsibilities of city council members, municipal officers, appointed officials and employees-conflict of interest. I agree to comply with the code and understand that my tenure as a commission/committee member requires such compliance.

I certify that the information in this application is true and accurate.

Signature of Applicant: [illegible] Date: Oct. 26, 2013

FOR OFFICE USE ONLY

Date Received: 10/30/13

Date of Council Approval: Action Memorandum Number: 13-26

Date Applicant Notified:

Term Expiration:

Registered voter of the City Y Yes __ No

City of Bethel Action Memorandum

Action memorandum No.	13-27		
Date action introduced:	11-12-2013	Introduced by:	Mayor Klejka
Date action taken:		☐ Approved	☐ Denied
Confirmed by:			

SUBJECT/ACTION: *Approve Mayor re appointment of John Guinn to the Planning Commission.*

Route to:	Department/Individual:	Initials:	Remarks:
X	Planning Director		

Attachment(s): Application

Amount of fiscal impact		Account information:
X	No fiscal impact	
	Funds are budgeted for.	
	Funds are not budgeted. Budget modification is required. Affected account number:	

Action memorandum 13-27 is sponsored by the Mayor at the request of the City Clerk.

John Guinn has requested reappointment to the Planning Commission. If appointed, he would be appointed to a term of three years with a term expiration of December 31, 2016.

OCT 2 9 2013

Office of the City Clerk
City of Bethel
300 State Highway
Bethel, AK 99559-1388
Phone: (907)-543-1384
Fax: (907)-543-3817

APPLICATION FOR APPOINTMENT TO A COMMITTEE OR COMMISSION

Committee(s)/Commission(s) of interest:

__ Energy Committee
__ Parks and Recreation Committee
__ Finance Committee
__ Public Works Committee
__ Port Commission
__ Public Safety and Transportation Commission
X Planning Commission

All Planning Commissioners are required to provide an Alaska Public Offices Commission (APOC) Statement to the City Clerk's Office within 30 days of appointment. Commissioners must continue to provide an updated APOC statement to the clerk's office by the 15th of March annually.

NAME: JOHN P. GUINN

MAILING ADDRESS: P.O. BOX

RESIDENCE ADDRESS:

HOME PHONE:

WORK PHONE:

CELL PHONE:

E-MAIL:

OCCUPATION: RETIRED

EMPLOYER:

1. Do you (or an immediate family member) currently own or operate a business in the City of Bethel? If so please provide the name and the type of business.

NO

2. Are you (or an immediate family member) a member of a board of directors, officer of, or hold a management position with, an organization that has financial dealings of one thousand dollars or more in value with the city of Bethel? If so please provide the name and the type of business.

NO

3. Do you currently have a direct or indirect financial of business interest with the City of Bethel, to include contracting, leaseholder, employee? If so please provide the name and the type of business.

NO

4. Are you a resident of the City of Bethel? X Yes __ No If so, for how long?

5. Does your schedule permit you to regularly attend required meetings: X Yes __ No

I understand that this is a voluntary, appointed position to be confirmed by the Bethel City Council. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media outlet.

I have read Chapter 2.05 of the Bethel Municipal Code regarding Responsibilities of city council members, municipal officers, appointed officials and employees-conflict of interest. I agree to comply with the code and understand that my tenure as a commission/committee member requires such compliance.

I certify that the information in this application is true and accurate.

Signature of Applicant: [signature] Date: 10/23/13

FOR OFFICE USE ONLY

Date Received: 10/31/13

Date of Council Approval: Action Memorandum Number: 13-07

Date Applicant Notified:

Term Expiration:

Registered voter of the City X Yes __ No

Return completed application to the Office of the City Clerk.

City of Bethel Action Memorandum

Action memorandum No.	13-28		
Date action introduced:	11-12-2013	Introduced by:	Mayor Klejka
Date action taken:		☐ Approved	☐ Denied
Confirmed by:			

SUBJECT/ACTION: *Approve Mayor re appointment of Sharon (Shari) M. Neth to the Energy Committee.*

Route to:	Department/Individual:	Initials:	Remarks:
X	Assistant to the City Manager		

Attachment(s): Application

Amount of fiscal impact		Account information:
X	No fiscal impact	
	Funds are budgeted for.	
	Funds are not budgeted. Budget modification is required. Affected account number:	

Action memorandum 13-28 is sponsored by the Mayor at the request of the City Clerk.

Sharon Neth has requested reappointment to the Energy Committee. If appointed, she would be appointed to a term of three years with a term expiration of December 31, 2016.

Office of the City Clerk
City of Bethel
300 State Highway
Bethel, AK 99559-1388
Phone: (907)-543-1384
Fax: (907)-543-3817

APPLICATION FOR APPOINTMENT TO A COMMITTEE OR COMMISSION

Committee(s)/Commission(s) of interest:

- X Energy Committee
- _ Parks and Recreation Committee
- _ Finance Committee
- _ Public Works Committee
- _ Port Commission
- _ Public Safety and Transportation Commission
- _ Planning Commission

All Planning Commissioners are required to provide an Alaska Public Offices Commission (APOC) Statement to the City Clerk's Office within 30 days of appointment. Commissioners must continue to provide an updated APOC statement to the clerk's office by the 15th of March annually.

NAME: Sharon M. Neth (Shari)

MAILING ADDRESS: P.O. Box

RESIDENCE ADDRESS:

HOME PHONE: (907)

WORK PHONE: (907)

CELL PHONE: (907)

E-MAIL:

OCCUPATION: teacher

EMPLOYER: LKSD

1. Do you (or an immediate family member) currently own or operate a business in the City of Bethel? If so please provide the name and the type of business.

Yes - Muskrat Manor Apartment rental

2. Are you (or an immediate family member) a member of a board of directors, officer of, or hold a management position with, an organization that has financial dealings of one thousand dollars or more in value with the city of Bethel? If so please provide the name and the type of business.

My husband, William Updegrove, is a member of the Lower Kuskokwim School District Board.

3. Do you currently have a direct or indirect financial of business interest with the City of Bethel, to include contracting, leaseholder, employee? If so please provide the name and the type of business.

No

4. Are you a resident of the City of Bethel? X Yes __ No If so, for how long? almost 30 years

5. Does your schedule permit you to regularly attend required meetings: X Yes __ No

I understand that this is a voluntary, appointed position to be confirmed by the Bethel City Council. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media outlet.

I have read Chapter 2.05 of the Bethel Municipal Code regarding Responsibilities of city council members, municipal officers, appointed officials and employees-conflict of interest. I agree to comply with the code and understand that my tenure as a commission/committee member requires such compliance.

I certify that the information in this application is true and accurate.

Signature of Applicant: Sharon M. Updegrove Date: 11-1-13

FOR OFFICE USE ONLY

Date Received: 11/1/2013

Date of Council Approval: Action Memorandum Number: 13-28

Date Applicant Notified:

Term Expiration:

Registered voter of the City Y Yes __ No

City of Bethel Action Memorandum

Action memorandum No.	13-29		
Date action introduced:	November 12, 2013	Introduced by:	City Manager
Date action taken:		☐ Approved	☐ Denied
Confirmed by:			

SUBJECT/ACTION: In accordance with the provisions of Chapter 2, Section 2.15.030C of the Bethel Municipal Code (BMC), and as amplified by Alaska Statute 29, Article 5, Section 29.20.360, confirming the appointment of Hansel Mathlaw as the City of Bethel, Finance Director.

Route to:	Department/Individual:	Initials:	Remarks:

Attachment(s): None.

Amount of fiscal impact		Account information:
	No fiscal impact	
$86,174.00 + Benefits	Funds are budgeted for.	
	Funds are not budgeted. Budget modification is required. Affected account number:	

I have previously notified Council that the current Finance Director, Mr. Bobby Sutton, has indicated his need to relocate with his family. He has notified the Administration of his intent to resign his position subsequent to the hiring of a replacement, and an interim turnover period for purposes of the wrap-up and debriefing of the annual Financial Audit and budget preparation for Fiscal Year 2015.

In accordance with the provisions of Chapter 2, Section 2.15.030C of the Bethel Municipal Code (BMC), and as amplified by Alaska Statute 29, Article 5, Section 29.20.360, I would like to hire and appoint Mr. Hansel Mathlaw as the Finance Director for the City of Bethel and seek concurrence for this hire from the Bethel City Council. The following points are germane and serve to justify my request:

- For the past eight (8) years, Mr. Mathlaw has served as Comptroller for the Association of Village Council Presidents (AVCP), responsible for the financial management of forty (40) plus grants and associated contracts. He has played a lead role in preparing AVCP for their annual financial audit and has a wide range of experience in developing, implementing, and managing compliance controls.

Action memorandum No.	13-29		
Date action introduced:	November 12, 2013	Introduced by:	City Manager
Date action taken:		☐ Approved	☐ Denied
Confirmed by:			

- Prior to his experience with AVCP, Mr. Mathlaw worked for the Lower Kuskokwim School District (LKSD), first as an accountant and then as a lead accountant.

- Mr. Mathlaw holds a Bachelor's Degree in Business Administration (Accounting Major) from the University of Alaska, Anchorage. He is a Bethel native and graduated from Bethel Regional High School in 1986.

- Subsequent to the resignation of the current Finance Director, the Human Resources Assistant and I reviewed the applications and resumes of three (3) prospective candidates including Mr. Mathlaw, and discussed the position with each person in either a telephonic, or in-person, interview. Separately, I spoke with three (3) prospective candidates who contacted me and are currently serving in the financial field in other areas. All but one of the individuals we spoke with were seeking salaries in the $105,000.00 - $108,000.00 range to start, a salary figure that is not supported by our present budget. One (1) did not meet the minimum academic requirements, and one (1) with exceptional academic credentials and a long work history as a financial leader did not stand the test of verification for sustained employment and the ability to be rehired.

- I have proposed, and Mr. Mathlaw has accepted, subject to the concurrence of the Council, a starting salary of $86,174.00 which conforms to our budget. A six (6) month probationary period would be required, but there would be no raise in pay upon its successful completion.

- In conclusion, I would urge you all to concur with my request to tender an offer of employment as permanent Finance Director to Hansel Mathlaw. If concurrence is received, he can start effective January 20, 2014.

Bethel City Council

Office of the Mayor

Mayor's Report

Bethel City Council

Office of the City Manager

Manager's Report

CITY OF BETHEL

Post Office Box 1388
Bethel, Alaska 99559
Voice: 907-543-1373
Fax: 907-543-1394

November 4, 2013

From: Lee M. Foley, City Manager

To: Bethel City Council

Info: Lori Strickler, City Clerk

Subj: City Manager's Report

Listed below are some of the action items and activities that I've been working on, and involved in, for the period October15 – November 4, 2013.

CITY ADMINISTRATION ACTION ITEMS AND ACTIVITIES

Projects:

- **YK Aquatic Center** - Regular weekly teleconference meetings between the Project Management Team and City Administration are held each Friday at 9:00 a.m. The following items are germane:
  - **(1)** Steel and concrete inspectors will be returning to the site this week for a final series of inspections.
  - **(2)** Plumbers and electricians are doing rough-in work, predominantly under the building.
  - **(3)** Pool system installation, exterior wall siding, and roofing are ongoing.
  - **(4)** An initial pool test is scheduled for this week to determine if there are any leaks. ProDev is coordinating the water supply with Public Works.
  - **(5)** Approximately 7500 manhours have been completed without a single accident, or injury. On a project of this magnitude, it is a testament to the constant vigilance of BSI, Unit Company, and ProDev.
  - **(6)** Bev Hoffman was given a guided VIP tour of the site by Doug Cobb and Mike Nevenzel from ProDev.
  - **(7)** Mike Nevenzel from ProDev will give a pool show and tell presentation to the elementary school at their request.

(8) Kuimarvik has commenced preliminary internal discussions concerning the possibility of pool management as a result of the Request for Letters of Interest issued by ProDev.

Three (3) pictures are enclosed for viewing.

- **Small Boat Harbor Launch Ramps** – The Corps of Engineers have, with the concurrence of the Administration, issued an Interim Letter of Unsatisfactory Performance to Denali Drilling for their inability to construct and emplace an effective coffer dam to enable work to move forward with the new launching ramps. Denali Drilling has requested an extension of time to complete the project, a request that the Administration has opposed.

Personnel:

- **Finance Director Position** – An Action Memorandum is on the agenda for the forthcoming Council meeting that seeks Council's concurrence to hire Mr. Hansel Mathlaw as the City's new Finance Director.

- **Assistant Finance Director Position** – The Administration has hired Mrs. Tonya Hendricks as the new Assistant Finance Director for the City. Mrs. Hendricks is experienced in leading and managing in business and financial environments and should bring mature stability to this crucial number 2 position.

Miscellaneous:

- **Prioritized Capital Projects** – Packages submitted to our State Legislators.

Enclosures

Thank you.

Management Team Reports

Planning Department Report

From: Rachael Pitts, Planning Director
Date: November 1, 2013

There will be a Planning Commission hearing for a Conditional Use Permit for an 80-foot telecommunications tower on November 14th, 2013. It was scheduled for the September 12th Planning Commission meeting and approved, however the property owners have cancelled and GCI has found a new location.

Two zoning requests will be heard at the November 14th Planning Commission meeting. Residential Planned Unit Development overlays are proposed for the Kasayuli and Tsikoyak (Larsen) subdivisions, for the purposes of site plan permitting. This is minimal zoning code focused on the permitting process for new development. This is a public hearing where everyone my come and speak.

We continue to work with Farpointe Surveying to get plats completed that will be reviewed this fall / winter.

The Planner and the Planning Tech, as well as Joy Shantz, Planning Commission member, will be attending the AML / AKAPA Conference in Anchorage in November. The Planning Department will be closed November 18-19.

Site Plan Permit Applications and Code Enforcement: The Planning Department has issued sixty-two Site Plan Permits to date.

Construction Projects:

Swimming Pool: The project is starting to look like a recreational facility. It is very exciting to go and see the building exterior being completed.

Prematernal Home and Long Term Care Facility: Siding and roofing are being constructed for the Prematernal Home. Visitors to the Long Term Care Facility say it is a beautiful facility.

Kipusvik Shopping Center: The structure has taken shape.

Opportunities: There may be a grant available to move a family in a flood prone home to a new home. If anyone can identify an appropriate property, possibly by the Slough, let the Planner know.

MEMORANDUM

DATE: 11/01/2013
TO: Lee Foley, City Manager
FROM: Chuck Willert, Public Works Director
SUBJECT: Manager's Report –

Programs/Divisions

Public Works Director:

We've been busy getting the shop and yard cleaned up and holes in the yard filled in before winter sets in. Other Departments are busy taking care of their priorities before winter sets in. This fall has been really nice and warm to allow everybody to complete their fall projects.

We are running short of drivers in the Hauled Utilities Department and will be recruiting drivers until we have a full crew! Drivers have been hard to come up with as there have been a lot of Davis bacon jobs available this summer. There is a large difference between Davis bacon wages and Hauled Utilities truck driving wages therefore it has been hard recruiting drivers for the City of Bethel.

Piped Utilities fixed a broken water line in the man hole servicing KYUK yesterday, 10-31-13, as Dean Swope came up to my office notifying us of the unusual amount of water coming out of the man hole. Warm weather made this job a lot easier also.

25% of the fiscal year has elapsed with 20.9% expended

Utility Maintenance:

This month we finished our fall discharge at sewer lagoon. We have been preparing to go into winter mode at our water treatment plants. We have repaired a few cracked plastic pipes at BHWTP which seem to be a continuing issue. We helped connect water and sewer lines at the Aquatic Center. We also leveled and flushed sewer lines in ASHA. We also do Blue Tags for Billing on a monthly basis. This Month we responded to nine after hour callouts, and continue to monitor our liftstations and water plants on a daily basis.

Piped Water; 25% of the fiscal year has elapsed with 15.5% expended
BHWTP; 25% of the fiscal year has elapsed with 9.5% expended
CSWTP; 25% of the fiscal year has elapsed with 14.2% expended
Piped Sewer; 25% of the fiscal year has elapsed with 11.4% expended
Sewer Lagoon; 25% of the fiscal year has elapsed with 14.2% expended

Hauled Utilities:

As some of you may know, I am a former driver and mechanic, as well as a general all round kind of repair guy. Hauled utilities, is in constant need of more drivers and trucks, these have always been an issue.

Due to the overtime and time off abuse by some employee's, I have been looking into formulating a 7 day 10 hour work week, as well as a 5 day 8 hour work week schedules. However, either scenario would undoubtedly require at least more drivers, and possibly more trucks.

I'd like to give thanks to the Landfill and Road Maintenance crews, for the loan of several drivers, Larry, Gary, Jonathan, and Jim Boan, over the past week, as we have been very short of drivers to cover the routes.

Hauled Refuse; 25% of the fiscal year has elapsed with 12.7% expended
Hauled Water; 25% of the fiscal year has elapsed with 16.8% expended
Hauled Sewer; 25% of the fiscal year has elapsed with14.3% expended
Landfill Oper; 25% of the fiscal year has elapsed with 12.1% expended
Recycling Oper; 25% of the fiscal year has elapsed with 11.9% expended

Property Maintenance:

We have been busy getting our buildings ready for winter. We had to replace the drains at the Port building. We put in a complete pressurized water system at the Transit Bus garage. Boilers are being fine tuned for the cold weather. We have been replacing unit heater motors and thermostats as we discover them. Our heat lines were taken out by the garbage truck and our system is back on line at the City Shop. We had a broken spring on an Overhead door and we had Pioneer Door out here to do repairs. The warm fall weather has enabled us to finish a lot of these projects that popped up all of a sudden.

25% of the fiscal year has elapsed with17.9% expended

Road Maintenance:

We laid down a layer of gravel from Chief Eddie Hoffman Highway on Akiak Drive in front of the city offices, and the court house. We also laid down a layer of gravel on Akakeek Street, stating from Ridgecrest Dive for the first 100 yards. We did this so the roads in these two areas hold up longer after it's graded, with all the rain we've been having. This helps in making the gravel base thicker, so we can shape the road to help the rain water to drain off of it.

We also fixed up the entrance to the fire station by hauling in sand, and gravel to the front where the asphalt was uneven. This will make it a lot easily for the fire trucks, and ambulances to get in and out. Also for us when we plow the snow out

of the parking lot.

Streets and Roads hauled in sand to the ball fielded in Pinky's Park and build up the infield where they play on. We built up home plate and the infield area to make this part of the field level. We also hauled in sand to the parking lot so that the water will drain off the parking lot. If Parks & Recreation gets gravel for it next year we can gravel it and this will end the problems with the ball field parking lot.

Streets & Roads have been grading as much as we can with all the rain we've been getting this mouth. We were able to grade the gravel roads more often do to the gravel on the roads but had to grade in between the rains for the roads that where made of sand only. It took a day or so longer for the roads to dry out from being too muddy to being wet before we could grade them so that they would hold up and not make them worse.

Streets and Roads has now started hauling sand to the land fill pile for cover and we'll haul into freeze as this is what they will use for cover this winter.

25% of the fiscal year has elapsed with 16.7% expended

Vehicles and Equipment:

We are still in our cold weather transitioning period. Josh is currently attending Caterpillar repair training down in Arizona for about a week. With the first sign of snowfall we are expecting more vehicles needing their winter tires installed soon. We have also received our new large 35,000 lb truck lift, which, like our smaller lift, should help make a lot of under truck repairs a lot easier and more efficient to perform by having the truck up off the floor. Charles and John have agreed to assemble and install this lift in the shop soon as we can get the area cleaned up where we decided to install it. We have been working with the new foreman for the Hauled Utilities Dept., Jim Colonel, in keeping up with our work order process and have been able to keep a better schedule of when trucks are being brought in for their repairs. We still have an open mechanic position which we hope can get filled soon. Our mechanics have been working hard to barely keep up with the daily repairs we encounter with the cold and wet weather lately. Our work load can only be expected to get heavier as the weather gets colder and the daylight gets shorter.

25% of the fiscal year has elapsed with 16.6% expended

Transit System:

Currently we're operating two buses; one **(Green Line)** 10.5 hours, 6:30am to 10:30am and 11:30am to 6:00pm, and the second bus **(Red Line)** 5 hours per day, 9:00am to 12:00n and 1:00pm to 3:00pm, and one bus on Saturday for 5 hours, 9:30am to 2:30pm. The Saturday route is the same as the Green Line route during

the week and will be operating for a trial period during the month of November (2, 9, 16, and 23). We'll need 20-25 riders each Saturday before we decide to operate it for the next several months.

The use of the monthly passes has increased and we're now selling 4-6 each month. The $5 Day Passes are catching on and passengers are purchasing 8-12 each day. A person going to and from work, riding the bus can save $1.00 each day when they purchase the $5 Day Pass. Over a month that amounts to a saving of $20-25. In September TWC purchased 500…$2 trip passes and 500…$3 trip passes ($2500), and in October ABE (YUUT) purchased 500 $3 trip passes ($1500). With these large purchases I have noticed an increase in ridership to and from TWC and hopefully the same will happen with ABE (YUUT).

The Bethel Transit System has made its final move to the "new" Bethel Transit Bus Barn, the old National Guard Armory Maintenance Building. It was really a team effort to make it all happen. Clair Grifka, Building Maintenance Foreman, and his crew put in new water holding tanks (600 gallons), cleaned and got the boiler system working and helped a lot moving "stuff" around, in and out. We greatly appreciate his help and the positive way it was all done. Sam Blankenship, IT Director, and Bo Foley, IT Technician, with the help of UUI, got the computer and phone systems connected and working great. It saves a lot of time not having to run back and forth to the City Shop, where the Transit System Office was, to do the paper work and answer phone calls. Jimmy Flemings, Streets and Roads Foreman, and his crew filled in the lower areas around the shop with sand and then graveled the parking area in front of the shop and with all this rain it has made a big difference.

John Jordan, Vehicle and Equipment Foreman, and the shop crew have worked hard getting the winter tires on the buses and doing the mandatory services, grease/oil change/ filters/ and etc. Keeping the entire City's vehicles (sewer trucks, water trucks, pick-ups, and other equipment) up and running must be a major challenge.

John Sargent, Grant Manager, among the 1000 and 1 other things he has to do, has helped keep track of our current grants, current budget and begin the planning for next year, FY 15. It's no easy task and I greatly appreciate all his help and insight into how to keep things going.

I'm very concerned about the Transit System budget for FY2014. To make the Transit System more reliable and serve the people better we need to increase the number of trips per day, both routes, and run one bus part time (9:30-2:30), on Saturday, so people can come and go to the post office, Saturday Market, and etc. All of this would cost additional money….which the transit system doesn't have.

Bill Ferguson, BTS Manager

25% of the fiscal year has elapsed with 16% expended

Landfill / Recycle Center:

The landfill got up three new fences to help contain blowing trash. Two of them are netting nine feet tall and one hundred and fifty feet long each. They are on both sides of the road entrances to the landfill. The third fence is made up of a line of cut brush and it is located just back from the working face so it can catch blowing bags and debris. We have used this kind of fence in the past and they work excellent.

We have got a lot of construction debris and its piling up. At present we are covering the dumpster trash with cover and will be covering the construction trash this winter when the city is digging out Brown Slough. This should make DEC extremely happy.

We have changed our hours to Monday -Saturday eight to four for our winter hours.

The Recycle Center is doing good. Larry got out two containers of aluminum and copper on the last barge. And he is well on the way to eliminating cardboard from the two stores going into the landfill. Just these two stores amount to about seven hundred pounds a day.

Staffing Issues/Concerns/Training:

There are four (4) open positions in the Hauled Utilities Department and one (1) open position in the Vehicles & Equipment Department.

Budget/Financial:

See each department.

PORT OF BETHEL

Post Office Box 1388
Bethel, Alaska 99559
Voice: 907-543-2310
Fax: 907-543-2311

TO: Lee Foley, Lori Strickler, Bing Santamour

FROM: Peter A. Williams, Port Director

SUBJECT: October 2013 Managers Report

Small Boat Harbor

- SBH Project – There has been no progress by the contractor to install the ramps.
Oct. 8th – USACE recalls their personnel, Q.A.P., from project due to government shut down.
Oct. 1st – 20th - Port personnel reports twice daily to USACE and City Admin about progress, or lack of progress. Pictures and weather reports provided.
Oct. 21st – 28th – USACE personnel on site and then recalled.
Oct. 29th – USACE issued an Interim Unsatisfactory Rating too Denali Drilling. Denali Drilling requests a extension to complete the project. USAC E is interviewed by KYUK concerning the ramps in the SBH. KYUK contacted me for information. I stated the City Admin. position is a extension should not be granted.
Oct 31st-Nov. 1st –No further information available.

- We will probably begin pulling boats from the shoreline in the SBH starting next week Nov. 4th. The long term forecast is for freezing temperatures starting Nov. 5th.

- Old planks from SBH ramp will be stowed and reused temporarily for other functions.

East Addition

Parks and Rec. Park along East Ave & 3rd Ave. – Oct. 30th discussed the drainage of the property adjoining 3thd Ave with the home owner., in reviewing the problem I recommended we fill the adjacent property with fill, the size is approximately 30'x30'x3', about a days work. the expense would be cheaper than installing a culvert and maintaining a sloped embankment that would be created for the road. I suggest a MOW/MOU with the homeowner before we get further. The home owner is agreeable to this remedy.
- Seawall along East Ave.is being fenced. We need 180' of new wire fencing before this is completed. The material should be here 11/1/13
- Signs were posted to that use of the Seawall is at the public's own risk. These signs were posted along the whole Seawall.
-There will be one barge stored for the winter on the seawall by Corina's Case Lot.

City Dock

- East Timber Wall

-Legislator request for construction money is being worked on with the Grant Writer and myself.

-There are 14 boats and 2 barges being stored on the dock for the winter.

- We are still waiting for Alaska Logistics to arrive for their last load and then the dock will be prepared for winter.

-Two gates and a man gate were installed.

- Port Office

-We have started to contact companies who produce Panel Buildings & Modular buildings. and what needs to be incorporated into the building. There are three companies that we have had contact with. The goal will be to move the current building to Oscar way and have this lot empty for construction by next summer If funding becomes available.

Seawall

-Port Office to Beach 2

Despite a lot of high water there haven't been any serious erosion problems. Clean up and fence repairs are in progress.

-Beach 2 to Petro Port

-The rock pile has been removed and an improved parking area created. We will improve the parking area this month. It needs to be compacted and we will put a little sub-base in place.

- The rip rap along this area was repaired using the excavator and "A" armor rock 11-4 thru 11-6. Amour rock will be put into place between Beach 2 & the Petro Port. The tides are right for this next week and hopefully we will finish this portion and move up river from Beach 2 if the conditions are right.

-Thanks to Public Works for providing an operator for the excavator for this work.

Petro Dock & Yard

Farpoint Land Services has completed the as-builds for the pipeline under Standard Oil Road along with a survey determining the City's easement at the end of Standard Oil Road.

-A new gate was installed on Standard Oil Road. It will be shut after hours during the week and weekends.

-Auction went well and we are slowly getting rid of the items that we sold.

Equipment

- The 2001Red four door pick up truck is down again, a week after $2,200 was spent on fixing it.
- the 2006 white GMC is down again with front end issues. This is a 6th front end.
- I recommend that we sell the 2001 Ford and the Dodge Dakota.
- Tele-handler is to be repaired.

_____

Peter A. Williams

Bethel Police Department, 220 State Hwy, Bethel AK 99559
907-543-3781

POLICE
BETHEL ALASKA
Yup'ut Arcaqakluki
Community First

October 2013 Monthly Report

Personnel:

Vincent Bryant has completed his FTO program.

Nichole Elarton is progressing satisfactorily in the Fairbanks police academy and has successfully completed all aspects of the academy to this point and graduation is November 7th 2013.

Alisha Chaglauk has arrived in Bethel and has begun her FTO training..

We still have an open officer position which we have numerous candidates in the background or testing phase and we have one CSP opening.

Officers Cox, Hendrix and Bryant are set for the refresher academy located at Sitka in January.

Collyn Symmes, dispatch, has accepted a position with OCS and has begun a new career. Besides Collyn's regular job duties, his knowledge of computers, surveillance cameras and recording equipment was instrumental in our planning and installation of that equipment in the new facility. Collyn assisted in the purchase, installation and training of employees in the new system and we appreciate all the dedication he showed to the department.

Beth Taylor, Dispatch Supervisor, has submitted her resignation for January. Beth's husband Mike accepted a position at Anchorage airport and is set to transfer to that position directly. Beth is stepping down from her duties as supervisor to allow her to begin the family move pending her final date. Beth has been in this business longer than I have, over 34 years, and brought experience and work ethic to the unit. We appreciate the time that Beth spent with us and her knowledge and commitment assisted us in working through personnel issues, policy changes, new state mandates and lastly the dispatch relocation. All of those took a toll on all of our employees and their supervisors and Beth could always be counted on to be at her console!

Sgt. Salyers attended the International Chief Conference this year and returned with much needed information and training which will assist us in updating our policies and procedures in the near future.

Operations (Patrol / Communications):

We are still awaiting final completion of Salmonberry and will hopefully have another open house when the contractor and other remaining items are completed.

During this reported period the Bethel Police Department Dispatch Center (Communications) logged 1154 calls for service for BPD of which 132 required case reports, of those 106 (84.1%) were closed by arrest or other means. 78 adult arrests with 1 juvenile arrests.

Department Activity for the month included:
23 Assaults- 11 cleared by arrest
1 Burglaries
7 DUI
0 Liquor law violations
1 Stolen vehicles
6 Traffic Accidents, 2 injury, 0 resulting in death
7 Trespass Violations
13 Damaged Property

Animal Control:

The Bethel Police Department impounded numerous animals during this reporting period and CSP Fedolfi worked with the owners and Bethel Friends of K9 for placement. Aaron is also attending the EMT training presented by the fire department which we believe will be an asset to the community.

Administration:

Jena was assigned dispatch duties due to personnel resignations for the month but is also juggling the cab and PSTC duties also.

Community Service Patrol:
CSP for this reporting period handled 176 individuals, of which 108 were males and 68 were females. Of the 176 persons contacted by the CSP, 32 were placed at YKCC, 114 Sobering Center, 9 were placed at the hospital, 8 were accepted by a private person / residence and 13 were able to care for themselves. 35 were residents and 141 were nonresidents. **September- 88, August-159, July-147**

These numbers do not reflect Title 47 inebriates handled by patrol or the CSO.

Both CSP officers, Chase and Ulak, are attending the EMT training in addition to their duties.

Dispatch:

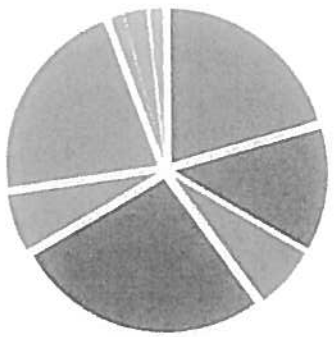
Dispatch handled 1366 calls for service.

- BPD 1154
- BFD 132
- AST 75
- Probation 0
- Taxi Complaints 1

Larry Elarton, Chief of Police

October 2013 CSP Monthly Log Sheet

	DEMOGRAPHIC				WENT TO					
Date	(M) P.C.	(F) P.C.	Resident	Non-Resident	YKCC	Sobering Center	Private Residence	ATCFS	YKHC/ ER	Total M/F
10/1/2013	3	1	3	1	0	2	2	0	0	4
10/2/2013	0	0	0	0	0	0	0	0	0	0
10/3/2013	9	6	1	14	1	12	0	0	2	15
10/4/2013	6	4	2	8	3	7	0	0	0	10
10/5/2013	9	3	2	10	5	7	0	0	0	12
10/6/2013	4	1	1	4	0	3	0	0	2	5
10/7/2013	7	4	1	10	3	6	0	0	2	11
10/8/2013	9	5	1	13	2	10	2	0	0	14
10/9/2013	7	7	2	12	0	11	1	1	1	14
10/10/2013	9	10	2	17	1	9	0	9	0	19
10/11/2013	5	2	1	6	0	7	0	0	0	7
10/12/2013	5	6	2	9	4	7	0	0	0	11
10/13/2013	2	5	3	4	0	7	0	0	0	7
10/14/2013	1	0	0	1	0	1	0	0	0	1
10/15/2013	1	2	1	2	1	2	0	0	0	3
10/16/2013	1	1	1	1	0	2	0	0	0	2
10/17/2013	7	1	2	6	3	4	0	0	1	8
10/18/2013	0	0	0	0	0	0	0	0	0	0
10/19/2013	1	0	1	0	1	0	0	0	0	1
10/20/2013	4	0	2	2	0	3	1	0	0	4
10/21/2013	1	0	0	1	1	0	0	0	0	1
10/22/2013	0	0	0	0	0	0	0	0	0	0
10/23/2013	6	2	2	6	3	4	0	1	0	8
10/24/2013	4	1	0	5	3	2	0	0	0	5
10/25/2013	4	4	2	6	1	4	0	2	1	8
10/26/2013	2	2	3	1	0	3	1	0	0	4
10/27/2013	0	0	0	0	0	0	0	0	0	0
10/28/2013	1	1	0	2	0	1	1	0	0	2
10/29/2013	0	0	0	0	0	0	0	0	0	0
10/30/2013										
10/31/2013	0	0	0	0	0	0	0	0	0	0
TOTAL	108	68	35	141	32	114	8	13	9	



(M) P.C. (F) P.C. Resident Non- Resident YKCC Sobering Center Private Residence ATCFS YKHC/ ER

Activity By Month Report (Jan-June)

Year: 2013

	Jan			Feb			Mar			Apr			May			Jun		
Agency	**Unt**	**Cls**	**TS**	**Unt**	**Cls**	**TS**	**Unt**	**Cls**	**TS**	**Unt**	**Cls**	**TS**	**Unt**	**Cls**	**TS**	**Unt**	**Cls**	**TS**
Alaska state troopers	19	80	0	17	45	0	16	71	0	16	62	0	17	72	0	13	86	0
bethel fire department	4	90	0	4	86	0	4	95	0	5	107	0	6	117	0	5	97	0
Bethel Police Department	19	835	0	15	799	0	16	889	0	16	742	0	20	959	0	15	864	0
Office of child Services	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
probation department	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	1	1	0
TAXI/CHAUFFEUR COMPLAINTS	1	2	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
Totals	**45**	**1010**	**0**	**37**	**931**	**0**	**38**	**1057**	**0**	**38**	**912**	**0**	**43**	**1148**	**0**	**34**	**1048**	**0**

Activity By Month Report (Jul-Dec & Totals)

Year: 2013

	Jul			Aug			Sep			Oct			Nov			Dec			Totals		
Agency	Unt	Cls	TS	Unt	Cls	TS	Unt	Cls	TS	Unt	Cls	TS	Unt	Cls	TS	Unt	Cls	TS	Unt	Cls	TS
Alaska state troopers	11	73	0	9	81	0	15	88	0	13	75	0	2	10	0	0	0	0	148	743	0
bethel fire department	6	109	0	4	87	0	4	74	0	5	132	0	1	9	0	0	0	0	48	1003	0
Bethel Police Department	17	976	0	19	997	0	14	848	0	20	1154	0	11	103	0	0	0	0	182	9120	0
Office of child Services	1	2	0	1	2	0	1	0	0	1	4	0	0	0	0	0	0	0	6	10	0
probation department	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	5	5	0
TAXI/CHAUFFEUR .	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	6	6	0
Totals	**35**	**1160**	**0**	**35**	**1167**	**0**	**36**	**1012**	**0**	**40**	**1366**	**0**	**14**	**122**	**0**	**0**	**0**	**0**	**395**	**10887**	**0**

Bulletin

BPD
10/01/2013 -- 10/31/2013

Event No	Date Rptd	Complainant Name	Location	City	Grid	SubGrid	Time Rptd	Call Dispo
1309622	10/01/2013		BNC UNIT 24	BETHEL	BET		05:46	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED
Date & Time Occurred: 10/01/2013 05:46
Classifications:

•STOLEN VEHICLE - VEHICLE THEFT, AUTO

Comments: On 10/1/2013, Officers responded to BNC Apartments for a report of a stolen vehicle. The vehicle was recovered and released back to the registered owner.

1309668	10/02/2013		9423 TUNDRA RIDGE	BETHEL	BET		09:38	RPT

Initial Investigator: COX, MIKE
Status: INACTIVE
Date & Time Occurred: 10/02/2013 07:30 - 09:30
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/02/2013, at approximately 0938 hours, Officers from the Bethel Police Department responded to the area of Tundra Ridge in reference to an assault that occurred on Atsaq Street. Investigation is ongoing.

1309671	10/02/2013		9234 TUNDRA RIDGE	BETHEL	BET		11:05	RPT

Initial Investigator: FEDOLFI, AARON
Status: CLEARED
Date & Time Occurred: 10/02/2013 11:05
Classifications:

•ANIMAL ATTACK - ANIMAL ATTACK

Comments: On 10/1/13 officers received a rabies investigation report on a dog bite that occurred in Housing. This case is currently under investigation.

1309672	10/02/2013	PITKA, JOLENE	TUNDRA SUITES	BETHEL	BBR		12:02	RPT

Initial Investigator: HENDRIX, SAMMIE
Status: UNFOUNDED
Date & Time Occurred: 10/02/2013 12:02
Classifications:

•THEFT 11.46.130 - THEFT OTHER

Comments: On October 2, 2013 at approximately 12:03 pm officers were dispatched to the area of Ridgecrest drive in reference to stolen money. Upon arrival and further investigation it was determined that approximately $2700.00 cash was stolen form the complainant.

1309705	10/03/2013		PD	BETHEL	BET		16:35	RPT

Initial Investigator: COX, MIKE
Status: INACTIVE
Date & Time Occurred: 10/03/2013 16:35
Classifications:

•ANIMAL CALL - ANIMAL CALL, OTHER

Comments: report generated in error

1309724	10/03/2013		108 2ND RD	BETHEL	BET		22:08	RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/03/2013 22:08
Classifications:

•OBSTRUCT JUSTICE 11.56.757 - CONDITIONAL RELEASE VIOLATION
•DAMAGED PROPERTY 11.46.484 - DAMAGED PROPERTY, PRIVATE

Comments: On October 3, 2013 Bethel Police received report of a conditional release from jail violation from the Atsaq St. area. Incident under investigation at this time.

1309744 10/04/2013 AC MAIN BETHEL BET 06:13

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/04/2013 06:13
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On October 4, 2013 officers witnessed a physical altercation between two males in the front of a local grocery store. Officers contacted the males and identified them as Terrence Motgin and Kevin Kernak. Officers subsequently found Kevin Kernak to have arrest warrants for felony assaults. Kevin Kernak was arrested and remanded to YKCC.

1309768 10/04/2013 BAYAYOK, KAREN PD BETHEL BET 14:47 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/04/2013 14:47
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On October 4, 2013 at approximately 2:53 pm officers were dispatched to the area of Salmonberry street in reference to an assault. Upon arrival and subsequent investigation it was determined that a female had been assaulted.

1309785 10/04/2013 JUNG, SARA KASAYULI RD AND TOWER ROAD BETHEL KAY 19:12 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/04/2013 19:12
Classifications:

•ASSAULT 11.41.220 - AGGRAVATED ASSAULT, NONFAMILY, OTH WEAPON
•DUI 28.35.030(A) - ALCOHOL

Comments: On October 4, 2013 officers responded to the area of Noel Polty Rd. for report of a vehicle collision. Upon arrival officers contacted Nellie Wassilie 36 yoa who was identified as a driver of an involved vehicle. She was subsequently arrested for DUI and felony assault with a vehicle and remanded to YKCC.

1309799 10/04/2013 520 6TH AVE BETHEL BET 23:31 RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/04/2013 23:31
Classifications:

•DAMAGED PROPERTY 11.46.482 - DAMAGED PROPERTY, PRIVATE

Comments: On October 4, 2013 at approximately 11:44 P.M., units from Bethel Police Department responded to the area 6th Avenue in reference to a disturbance. After subsequent investigation Kathleen Henry, 28 of Bethel was arrested for Criminal Mischief in the Third Degree.

1309813 10/05/2013 330 PTARMIGAN BETHEL BET 03:04 RPT

Initial Investigator: BRYANT, VINCENT
Status: REFERRED OTHER JURISDICTION
Date & Time Occurred: 10/05/2013 03:04
Classifications:

•DUI 28.35.030(A) - ALCOHOL
•ASSAULT - SIMPLE ASSAULT

Comments: On the morning of October 5, 2013 at approximately 0305 hours, units from Bethel Police Department responded the area Ptarmigan St. in reference to a domestic assault. This case is pending further investigation.

1309829 10/05/2013 PELTOLA, SHANA PD BETHEL BET 11:57 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/05/2013 11:57
Classifications:

•MISC INCIDENTS 28.15.291 - MISCELLANEOUS INCIDENTS
•THEFT 11.46.130 - THEFT OTHER

Comments: On October 5, 2013 at approximately 12:04 pm officers were dispatched to the area of Salmonberry street in reference to a stolen vehicle. Upon arrival and further investigation it was determined that a motor vehicle had been stolen from its owner.

1309867 10/05/2013 195 HOFFMAN SUBDIVISON BETHEL HOF 21:50 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/05/2013 21:50
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On October 5, 2013 officers responded to a domestic disturbance on the Hoffman Rd. area. Officers contacted Nicholai Phillips who had assaulted a family member. Nicholai Phillips was subsequently arrested and remanded to YKCC under charge of misdemeanor Domestic Violence Assault.

1309868 10/05/2013 ER/ YKHC BETHEL BET 22:17 RPT

Initial Investigator: DAVIS, AMY
Status: REFERRED OTHER JURISDICTION
Date & Time Occurred: 10/05/2013 22:17
Classifications:

•SEXUAL ASSAULT - RAPE, STRONGARM

Comments: On October 5, 2013 at approximately 2244 hours, Officers responded to Yukon Kuskokwim Delta Regional Hospital - Emergency Room for a reported sexual assault. This case is currently under investigation.

1309875 10/06/2013 NEAR QUIVIK SUB BETHEL QUV 00:09 RPT

Initial Investigator: HERROD, JERRY
Status: INACTIVE
Date & Time Occurred: 10/06/2013 00:09
Classifications:

•DAMAGED PROPERTY 11.46.484 - DAMAGED PROPERTY, BUSINESS

Comments: On October 6, 2013 BPD received report of a criminal mischief property damage in the area of Quivik Subdivision. Incident under investigation at this time.

1309883 10/06/2013 510 3RD AVE BETHEL DNTW 03:14 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/06/2013 03:14
Classifications:

•PRIVACY VIOLATION - CRIMINAL TRESPASS
•DAMAGED PROPERTY - DAMAGED PROPERTY, PRIVATE

Comments: On 10/06/2013 at approximately 0318 hours, Officers responded to the area of 510 3rd Ave. for a report of criminal trespassing. Upon arrival and after subsequent investigation officers arrested Olaf Hopsted 19, of Akiachak for Criminal Mischief in the Fifth Degree Domestic Violence and Criminal Trespass in the Fifth Degree.

1309899 10/06/2013 DORMS BEHIND 1010 4TH AVE BETHEL DNTW 10:53 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED
Date & Time Occurred: 10/06/2013 10:53
Classifications:

•DAMAGED PROPERTY 11.46.484 - DAMAGED PROPERTY, PRIVATE

Comments: On 10/6/2013 Officer responded to the area of 4th Ave for a report of damaged property. After an investigation officers referred the charges to the District Attorney's Office.

1309902 10/06/2013 MARKHAM, TERESA PD BETHEL BET 13:19 OPN

Initial Investigator: HENDRIX, SAMMIE
Status: INACTIVE
Date & Time Occurred: 10/06/2013 13:19
Classifications:

•THEFT 11.46.130 - THEFT OTHER

Comments: On October 6, 2013 at approximately 1:29 pm officers were dispatched to the area of Salmonberry street in reference to a theft. Upon arriving and after further investigation it was determined that a boat motor had been stolen

1309913 10/06/2013 TRLR 71 BETHEL BET 16:27 OPN

Initial Investigator: REID, ANDREW
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/06/2013 16:27
Classifications:

•TRESPASSING 11.46.320 - TRESPASSING, PRIVATE PROPERTY
•OBSTRUCT POLICE 11.56.700 - RESISTING/INTERFERING W/POLICE
•PUBLIC PEACE 11.61.110 - DISORDERLY CONDUCT

Comments: On 10/6/2013 officers responded to the area of State Highway for a reported intoxicated person in a house. Upon arrival and after subsequent investigation officers arrested Janet Feagle, 26 of Kwigillingok for Criminal Trespassing, Disorderly Conduct, and Resisting Arrest.

1309932 10/07/2013 KUSKOKWIM INN BETHEL BET 04:19 RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/07/2013 04:19
Classifications:

PUBLIC PEACE 11.61.110 - DISORDERLY CONDUCT
•OBSTRUCT POLICE - RESISTING/INTERFERING W/POLICE
•DAMAGED PROPERTY 11.46.486 - DAMAGED PROPERTY, BUSINESS
•OBSTRUCT POLICE 11.56.700 - RESISTING/INTERFERING W/POLICE

Comments: On October 7, 2013 at approximately 4:19 A.M., officers from Bethel Police Department responded to the area Ptarmigan St. in reference to a Disturbance. After subsequent investigation Warren Jimmy was arrested for Disorderly Conduct, Resisting Arrest, and Criminal Mischief in the fifth degree. Bradley Panruk was also arrest for Interfering with a Arrest.

1309943 10/07/2013 THOMPSON, MICHELE 9428 TUNDRA RIDGE BETHEL TR 13:17 RPT

Initial Investigator: FEDOLFI, AARON
Status: CLEARED
Date & Time Occurred: 10/07/2013 13:17
Classifications:

•ANIMAL ATTACK - ANIMAL ATTACK

Comments: On 10/5/13 officers received a rabies investigation report from YKHC in reference to a dog bite that occurred in Tundra Ridge.

1309957 10/07/2013 TUNDRA SUITES BETHEL DNTW 20:22 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/07/2013 20:22
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/7/2013, Officers responded to Tundra Suits for a report of a disturbance. After a subsequent investigation Merlin Hunter was remanded at YKCC for Disorderly Conduct.

1309968 10/08/2013 BNC DORMS BETHEL ASHA 00:31 RPT

Initial Investigator: LIMANI, KADRI
Status: ACTIVE
Date & Time Occurred: 10/08/2013 00:31
Classifications:

•ASSAULT - AGGRAVATED ASSAULT, NONFAMILY, KNIFE/CUT INSTR

Comments: On 10/8/2013, Officers responded to BNC Dorms for a report of a male laying on the ground bleeding. This case is currently under investigation.

1309984 10/08/2013 HOFFMAN, JAMIE 224 SLOUGH BETHEL BET 11:17 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/08/2013 11:17
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT
•DAMAGED PROPERTY 11.46.484 - DAMAGED PROPERTY, PRIVATE

Comments: On 10/08/2013, at approximately 1122 hours, Officers from the Bethel Police Department responded to the area of East Avenue in reference to an assault. Upon arrival and after subsequent investigation Officers arrested Robert Kelley, 59, of Bethel for Assault in the Fourth Degree (DV) and Criminal Mischief in the Fourth Degree (DV).

1309992 10/08/2013 BEHIND BNC COMPLEX BETHEL BET 13:52 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/08/2013 13:52
Classifications:

•PUBLIC PEACE 11.61.110 - DISORDERLY CONDUCT

Comments: On 10/08/2013, at approximately 1353 hours, Officers from the Bethel Police Department responded to the area of the BNC Complex in reference to an intoxicated female. Upon arrival and after subsequent investigation Officers arrested Bertha Stevens, 36, of Bethel for Disorderly Conduct.

1309998 10/08/2013 BLACKWELL, ZIENNA PD BETHEL BET 16:01 RPT

Initial Investigator: COX, MIKE
Status: INACTIVE
Date & Time Occurred: 10/08/2013 16:01
Classifications:

•HARASSMENT 11.61.120 - SUSPICIOUS/HARASSING PHONE CALLS

Comments: On 10/08/2013, at approximately 1604 hours, Officers from the Bethel Police Department responded to the Police Department Lobby in reference to a harassment complaint that occurred in the Tundra Ridge area. Investigation is ongoing.

1310025 10/09/2013 235 SCHWALBIE BETHEL BET 10:14 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/09/2013 10:14
Classifications:

•HARASSMENT - HARASSMENT, OTHER
•OBSTRUCT POLICE - RESISTING/INTERFERING W/POLICE
•PUBLIC INTOX - PUBLIC INTOXICATION

Comments: On 10/09/2013, at approximately 1115 hours, Officers responded to the area of Schwalbe for follow-up. Upon arrival and after subsequent investigation officers arrested Paul Xavier, 18 of Bethel for Minor Consuming Alcohol, Harassment in the First Degree, and Resisting Arrest.

1310027 10/09/2013 GREGORY, NITA 330 JACOBS WAY BETHEL BET 11:22 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/08/2013 - 10/09/2013 22:00 - 11:22
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/09/2013, at approximately 1136 hours, Officers from the Bethel Police Department responded to the area of Jacobs Way in reference to an assault. Upon arrival and after subsequent investigation, Officers arrested Clifford Wassilie, 56, of Bethel for Assault in the Fourth Degree (DV).

1310031	10/09/2013 WILLARD, CARRY	JO LOMACK	BETHEL BET	12:55	RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/09/2013 12:55
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/09/2013, at approximately 1302 hours, Officers from the Bethel Police Department responded to the area near the Joe Lomack Building in reference to a possible assault. Upon arrival and after subsequent investigation Officers arrested Jesse Beaver Jr, 30, of Napaskiak for Assault in the Fourth Degree (DV).

1310047	10/09/2013	SOBERING CENTER	BETHEL BET	20:36	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/09/2013 20:36
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/9/13, Officer responded to the Sobering Center for a report of a disturbance. After a subsequent investigation Ignatius Kameroff of Alakanuk was remanded at YKCC for Disorderly Conduct.

1310049	10/09/2013	144 ALEX HATELY	BETHEL BET	21:32	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/09/2013 21:32
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/9/13, Officers responded to Alex Hately for a report of an intoxicated male trespassing. After a subsequent investigation Marvin Evan was remanded at YKCC for Disorderly Conduct, Resisting Arrest, and Trespass in the First Degree.

1310052	10/09/2013	PROP SHOP	BETHEL BET	22:32	RPT

Initial Investigator: CORBETT, JOSEPH
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/09/2013 22:32
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/9/13 Bethel police contacted Moses Olick, 55 of Kwethluk at a local medical facility. Olick was subsequently arrested for Disorderly Conduct for disturbing the peace. He was remanded at YKCC.

1310055	10/10/2013	SOBERING CENTER	BETHEL BET	00:06	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 00:06
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/10/13, Officers responded to the Sobering Center for a male threatening other clients inside the sleep off room. After a subsequent investigation Eugene Ayuluk of Chevak was remanded at YKCC for Disorderly Conduct.

1310058	10/10/2013	228 SWAN CT	BETHEL ASHA	00:28	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 00:28
Classifications:

•PROCESS SERVICE - WARRANT SERVICE

Comments: On 10/10/2013, Officers responded to Swan Court for a report of a disturbance. After a subsequent investigation Jacklyn Evans of Bethel was remanded at YKCC for an Arrest Warrant.

1310064	10/10/2013	163 PTARMIGAN	BETHEL BET	03:18	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED
Date & Time Occurred: 10/10/2013 03:18
Classifications:

•TRESPASSING - TRESPASSING, PRIVATE PROPERTY
•DAMAGED PROPERTY - DAMAGED PROPERTY, PRIVATE
•DRUNKENNESS - DRUNKENNESS

Comments:
On 10/10/2013, Officers responded to Ptarmigan street for an intoxicated male causing a disturbance outside the residence. After a subsequent investigation Brenton White of Quinhagak was issued three citations for Criminal Trespass in the First Degree, Criminal Mischief in the Fourth Degree, and Minor Consuming Alcohol.

1310070 10/10/2013 KILBUCK, GREGORY 228 A SWAN COURT BETHEL BET 09:12 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 09:12
Classifications:

•TRESPASSING 11.46.330 - TRESPASSING, PRIVATE PROPERTY
•DAMAGED PROPERTY 11.46.484 - DAMAGED PROPERTY, PRIVATE

Comments: On 10/10/2013, at approximately 0916 hours, Officers from the Bethel Police Department responded to the area near Swan Court in reference to damage to property. Upon arrival and after subsequent investigation, Officers cited Michael Paulson, 25, of Bethel for Criminal Mischief in the Fourth Degree and Criminal Trespass in the Second Degree.

1310076 10/10/2013 BEAVER, GEORGIANNA 521 KUSKO CT BETHEL BET 11:48 RPT

Initial Investigator: COX, MIKE
Status: ACTIVE
Date & Time Occurred: 10/06/2013 - 10/07/2013 22:00 - 08:00
Classifications:

•SEXUAL ASSAULT 11.41.420 - RAPE, STRONGARM

Comments: On 10/10/2013, at approximately 1231 hours, Officers from the Bethel Police Department responded to the Police Department Lobby in reference to a possible sexual assault that occurred in the area near the Longhouse Inn

1310094 10/10/2013 CABALES, JOHNATHAN 548 AKLUA COURT BETHEL BET 18:29 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/10/2013 18:29
Classifications:

•ANIMAL ATTACK 6.04.030 BMC - ANIMAL ATTACK

Comments: On October 10, 2013 at approximately 6:34 pm officers were dispatched to the area of Akula Court in reference to a dog bite. Upon arrival and conducting further investigation it was determined that a female juvenile was the victim of a dog bite.

1310095 10/10/2013 SOBERING CENTER BETHEL BET 18:41 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 18:41
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/10/2013, Officers responded to the Sobering Center for a male being uncooperative. After a subsequent investigation Dennis Kashatok of Palmer was remanded at YKCC for Disorderly Conduct.

1310096 10/10/2013 SUBWAY BETHEL BET 19:18 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 19:18
Classifications:

•TRESPASSING - TRESPASSING, PRIVATE PROPERTY
•TRESPASSING - TRESPASSING, PRIVATE PROPERTY

Comments: On 10/10/13, Officers responded to Subway Restaurant for a report an intoxicated male and female refusing to leave the premises. After a subsequent investigation Minnie Kalila and Ernest Kashatok remanded at YKCC for Criminal Trespass in the Second Degree

1310098 10/10/2013 AC MAIN BETHEL BET 20:22 RPT

Initial Investigator: CORBETT, JOSEPH
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 20:22
Classifications:

•TRESPASSING - TRESPASSING, PRIVATE PROPERTY

Comments:
On 10/10/13, Bethel Police contacted a female trespassing at a local grocery store. After subsequent investigation police arrested Venise Gunlik, 41 of Bethel for Trespass Second Degree. She was remanded at YKCC.

1310099 10/10/2013 521 KUSKO CT BETHEL ASHA 21:11 RPT

Initial Investigator: LIMANI, KADRI

Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 21:11
Classifications:

•HARASSMENT - HARASSMENT, OTHER
•OBSTRUCT POLICE - RESISTING/INTERFERING W/POLICE

Comments: On 10/10/2013, Officers responded to Kusko Court for a report of a male trespassing and refusing to leave. After a subsequent investigation Nick Adrews 51, of Tununak was remanded at YKCC for Harassment in the Second degree and Resisting Arrest.

1310100 10/10/2013 128 ATSAQ BETHEL ASHA 22:03 RPT

Initial Investigator: CORBETT, JOSEPH
Status: CLEARED
Date & Time Occurred: 10/10/2013 22:03
Classifications:

•DUI - ALCOHOL

Comments: On 10/10/13 Bethel Police responded to a suspicious vehicle in the 100 block of Atsaq Rd. Upon arrival and after subsequent investigation police arrested George Seal, 54 of Bethel for DUI. He was remanded at YKCC with a BAC of .300.

1310111 10/10/2013 235 A2 SCHWALBE BETHEL BET 23:56 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/10/2013 23:56
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT
•PROCESS SERVICE - WARRANT SERVICE

Comments:
On 10/11/2013, Officers responded to Schwalbe Street for a report of disturbance. After a subsequent investigation Nikki Worm 21, of Bethel was remanded at YKCC for Disorderly Conduct and Jocelyn Afkar 20, of Bethel was remanded for an Arrest Warrant.

1310144 10/11/2013 DALE, JOE PD BETHEL BET 16:12 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/11/2013 16:12
Classifications:

•DAMAGED PROPERTY 11.46.482 - DAMAGED PROPERTY, PRIVATE

Comments: On October 11, 2013 at approximately 4:30 pm officers were dispatched to the area of Salmonberry street in reference to property damage. Upon arriving and conducting further investigation it was determined that several vehicles were damaged in the area.

1310152 10/11/2013 WATSON CORNER BETHEL DNTW 17:50 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED
Date & Time Occurred: 10/11/2013 17:50
Classifications:

•TRAFFIC (CRIMINAL VIOLATION) 28.35.400 - CRIMINAL TRAFFIC VIOLATION

Comments: On 10/11/2013 Officers responded to the area of Salmonberry for a report of negligent driving. Upon arrival and after subsequent investigation officers cited Daisy May Barrera, 60 of Bethel for Negligent Operation and Operator to give info at accident.

1310178 10/12/2013 RAVEN AND ST HWY BETHEL OTH 00:37 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED
Date & Time Occurred: 10/12/2013 00:37
Classifications:

•TRAFFIC ACCIDENT - TRAFFIC ACCIDENT, INJURY

Comments: On October 12, 2013 officers and medics responded to a traffic collision between pedestrian and vehicle at State Hwy near the Trailer Court. The pedestrian was transported to YKHC ER by medics and was subsequently released with only minor injuries.

1310183 10/12/2013 PRUNES, MAY FRONT OF 123 BBQ BETHEL DNTW 02:06 RPT

Initial Investigator: CORBETT, JOSEPH
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/12/2013 02:06
Classifications:

•DUI - ALCOHOL
•OBSTRUCT POLICE - RESISTING/INTERFERING W/POLICE
•TRAFFIC (CRIMINAL VIOLATION) - CRIMINAL TRAFFIC VIOLATION
•HARASSMENT - HARASSMENT, OTHER

Comments: On 10/12/13 at approximately 0206 hours, Bethel Police responded to the 100 block of Chief Eddie Hoffman Highway for a reported drunk driver. Upon arrival and after subsequent investigation criminal charges are pending.

1310190 10/12/2013 9106 PTARMIGAN ST BETHEL TR 03:27 RPT

Initial Investigator: CORBETT, JOSEPH
Status: CLEARED
Date & Time Occurred: 10/12/2013 03:27
Classifications:

•FOUND PROPERTY - FOUND PROPERTY

Comments: Case created for safekeeping of property.

1310193 10/12/2013 Q2 BETHEL OTH 03:53 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED
Date & Time Occurred: 10/12/2013 03:53
Classifications:

•TRAFFIC ACCIDENT - TRAFFIC ACCIDENT, INJURY

Comments: On October 12, 2013 officers and medics responded to a vehicle versus pedestrian accident in the area of State Hwy. and Raven Rd. Medics transported a female pedestrian to the hospital where she was given emergency transport to Anchorage.

1310212 10/12/2013 BERLIN, EDWARD PD BETHEL BET 13:36 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: INACTIVE
Date & Time Occurred: 10/11/2013 13:36
Classifications:

•THEFT 11.46.140 - THEFT OTHER

Comments: On October 12, 2013 at approximately 2:12 pm officers were dispatched to the area of Salmonberry street in reference to a theft. Upon arriving and conducting further investigation it was determined that a canoe had been stolen.

1310244 10/12/2013 116 AKAKEEK ST BETHEL ASHA 20:36 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/12/2013 20:36
Classifications:

•TRESPASSING 11.46.330 - TRESPASSING, PRIVATE PROPERTY

Comments: On October 12, 2013 a local grocery store reported trespasser. Intoxicated persons entered the store then refused to leave when advised by management. Officers responded and subsequently arrested Vesta Japhet, Chris Alexie, Elsie Stewart and Catherine Harp for Criminal Trespass 2nd Degree.

1310250 10/12/2013 ER BETHEL QUV 22:36 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED
Date & Time Occurred: 10/12/2013 22:36
Classifications:

•ANIMAL ATTACK - ANIMAL ATTACK

Comments: On October 12, 2013 BPD received report of an animal attack. The victim was treated at the hospital for minor injuries. Officers located the owner and the responsible dog. The dog was impounded for mandatory 10 day quarantine.

1310263 10/13/2013 ER BETHEL BET 01:27 RPT

Initial Investigator: BRYANT, VINCENT
Status: INACTIVE
Date & Time Occurred: 10/13/2013 01:27
Classifications:

•SEXUAL ASSAULT 11.41.420 - RAPE, ATTEMPT TO COMMIT FORCIBLE

Comments: On October 13, 2013 at approximately 0105 hours units from Bethel Police Department received a complaint of sexual assault which occurred. Subsequent investigation is pending.

1310319 10/14/2013 GLADISH, GEORGE LKSD DISTRICT OFFICE BETHEL BET 08:28 RPT

Initial Investigator: COX, MIKE
Status: ACTIVE
Date & Time Occurred: 10/14/2013 08:28
Classifications:

• •BURGLARY 11.46.310 - BURGLARY, FORCED ENTRY NONRESIDENCE

Comments: CALL TYPE: theft p

1310324 10/14/2013 GRAFF, DAVID COURT HOUSE BETHEL BET 12:28 RPT

Initial Investigator: COX, MIKE
Status: CLEARED
Date & Time Occurred: 10/14/2013 12:28
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/14/2013, at approximately 1230 hours, Officers from the Bethel Police Department responded to the area near City Hall in reference to an assault that had already occurred. Investigation is ongoing.

1310332 10/14/2013 SOBERING CENTER BETHEL BET 17:15 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/14/2013 17:15
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/14/2013 at approximately 1205 hours, Officers responded to the Sobering Center for a report that Robert Williams was punching walls inside of the Sobering Center.Upon arrival and after subsequent investigation officers arrested Robert Williams 51, of Akiak for Disorderly Conduct

1310342 10/15/2013 LONGHOUSE BETHEL BET 01:25 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/15/2013 01:25
Classifications:

•HARASSMENT - HARASSMENT, OTHER

Comments: On 10/15/13, Officers responded to Longhouse Hotel for a report of a disturbance. After a subsequent investigation Caroline Lupie 30 yoa of Tuntutuliak was remanded at YKCC for Harassment in the First Degree.

1310347 10/15/2013 ALASKA AIR BETHEL ARPT 09:12 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: INACTIVE
Date & Time Occurred: 10/15/2013 09:12
Classifications:

•ABANDON VEHICLE

Comments: On October 15, 2013 at approximately 9:17 am officers were dispatched to the area of State Highway in reference to an abandoned vehicle. Upon arrival and subsequent investigation it was determined that a vehicle had been left running and unattended from the previous date.

1310349 10/15/2013 KLA BETHEL BET 09:36 RPT

Initial Investigator: DRAKE, GWEN
Status: ACTIVE
Date & Time Occurred: 10/15/2013 09:36
Classifications:

•

Comments: CALL TYPE: assault p

1310371 10/15/2013 BUKOWSKI, MCKALE 1204 UIVIK SUB BETHEL BET 16:42 RPT

Initial Investigator: COX, MIKE
Status: INACTIVE
Date & Time Occurred: 08/17/2013 08:00 - 00:00
Classifications:

•THEFT 11.46.140 - LARCENY, BICYCLE

Comments: On 10/15/2013, at approximately 1715 hours, Officers from the Bethel Police Department responded to the area of Quivik Subdivision in reference to a theft. Investigation is ongoing.

1310423 10/16/2013 NEAR TROOPER HANGER BETHEL BET 21:52 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/16/2013 21:52
Classifications:

•DUI - ALCOHOL
•TRAFFIC (CRIMINAL VIOLATION) - CRIMINAL TRAFFIC VIOLATION

Comments:
On 10/16/2013 at approximately 2200 hours, officers responded to Tower Rd. for a REDDI report. After a subsequent investigation Lynn Fareny, yoa 52, of California was remanded at YKCC for DUI and Refusal to Submit to e Chemical Test.

1310435 10/17/2013 5447 KASAYULI BETHEL KAY 03:53 RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/17/2013 03:53
Classifications:

•ASSAULT - SIMPLE ASSAULT

Comments: On 10/17/2013, Officers responded to Kasayuli Subdivision for a report of a Domestic Violence Assault. After a subsequent investigation Isidro Delacruz, 46 yoa, of Bethel was remanded at YKCC for Assault in the Fourth Degree Domestic Violence.

1310439 10/17/2013 AGATHLUK, SUZANNE BY BNC TOWNHOUSE BETHEL BET 09:58 RPT

Initial Investigator: COX, MIKE
Status: CLEARED
Date & Time Occurred: 10/17/2013 09:58
Classifications:

•ASSAULT 11.41.220 - SIMPLE ASSAULT

Comments: On 10/17/2013, at approximately 1747 hours, Officers from the Bethel Police Department responded to the lobby of the Police Department in reference to an assault that occurred near the area of the BNC Apartments. Investigation is ongoing.

1310440 10/17/2013 HOLLANDSWORTH, PATRICIA 1310 STATE HWY BETHEL BET 11:00 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/17/2013 11:00
Classifications:

•ASSAULT - SIMPLE ASSAULT

Comments: On 10/17/2013 at approximately 1101 hours, Officers were dispatched to the area of State Hwy for a report of a domestic assault. Upon arrival and after subsequent investigation officers arrested Aaron Scheall 26, of Bethel for Assault in the Fourth Degree Domestic Violence.

1310454 10/17/2013 JOHNSON, OLINKA 1012 UIVIQ BETHEL BET 15:51 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/17/2013 15:51
Classifications:

•ASSAULT - SIMPLE ASSAULT

Comments: On 10/17/2013, at approximately 1600 hours, Officers from the Bethel Police Department responded to the area near Quivik Sub Division in reference to a disturbance. Upon arrival and after subsequent investigation Officers arrested Edwin Soto, 59, of Bethel for Assault in the Fourth Degree (DV).

1310460 10/17/2013 SWANSONS BETHEL BET 16:52 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/17/2013 16:52
Classifications:

•OBSTRUCT JUSTICE - CONDITIONAL RELEASE VIOLATION

Comments: On 10/17/2013 at approximately 1642 hours, while on routine patrol an Officer observed a female staggering in the area of Swanson's Store. After subsequent investigation Venise Gunlik 41, of Bethel was arrested for Violating Conditions of Release.

1310512 10/18/2013 GREGORY, ROBERTA OWL MALLARD PTARMIGAN BETHEL ASHA 18:24 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/18/2013 18:24
Classifications:

•TRAFFIC ACCIDENT 28.35.050 - HIT/RUN, INJURY
•TRAFFIC ACCIDENT AS 28.35.060 - HIT/RUN, INJURY
•MISC INCIDENTS 28.15.011 - MISCELLANEOUS INCIDENTS

Comments: On October 18, 2013 at approximately 6:31 pm officers were dispatched to the area of Ptarmigan street in reference to a vehicle accident. Upon arrival and subsequent investigation it was determined that two motor vehicles were involved in an accident with one of the vehicles leaving the scene.

1310563 10/19/2013 ELLIOT, CHRISTINA TRLR CT 31 BETHEL BET 19:01 RPT

Initial Investigator: HERROD, JERRY
Status: INACTIVE
Date & Time Occurred: 10/19/2013 - 10/20/2013 19:01
Classifications:

•DAMAGED PROPERTY 11.46.486 - DAMAGED PROPERTY, PRIVATE

Comments: On 10/21/2013 officers responded to a vandalism in the area of Trailer Court. Incident under investigation at this time.

1310566 10/19/2013 118 2ND RD BETHEL BET 19:49 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/19/2013 19:49
Classifications:

•DUI 28.35.030(A) - ALCOHOL

Comments: On October 19, 2013 officers responded to report of a atv turned over on its side and the driver leaving the scene. Officers subsequently contacted Elizabeth Wassillie of Bethel and found her to be intoxicated. Elizabeth Wassilie was subsequently arrested for DUI, Driving While License Revoked and Ignition Interlock Avoidance.

1310590 10/20/2013 125 SCHWALBE BETHEL BET 10:30 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED ADULT ARREST

Date & Time Occurred: 10/20/2013 10:30
Classifications:

ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/20/2013 officers responded to the area of Schawlbe Sub Division for a report of Domestic Violence. Upon arrival and after subsequent investigation officers arrested Teresa Slatts, 51 of Bethel for Assault 4 DV.

1310598	10/20/2013 .	TRAILER 74	BETHEL BET	15:42	OPN

Initial Investigator: HENDRIX, SAMMIE
Status: CLEARED
Date & Time Occurred: 10/20/2013 15:42
Classifications:

•ASSAULT 11.41.220 - AGGRAVATED ASSAULT, FAMILY, KNIFE/CUT INSTR

Comments: On October 20, 2013 at approximately 3:45 pm officer were dispatched to the area of State Highway in reference an Assault. Upon arrival and subsequent investigation it was determined that a female had been assaulted and had sustained visible physical injury.

1310642	10/21/2013	533 YUKON CT	BETHEL ASHA	15:07	RPT

Initial Investigator: REID, ANDREW
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/21/2013 15:07
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/21/2013 Officers responded to the area of Ovi for a report of a domestic assault. Upon arrival and after subsequent investigation officers arrested Ariane Alexie, 20 of Bethel For Assault 4 DV and Criminal Trespass 1.

1310694	10/23/2013	YKHC	BETHEL BET	01:33	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/23/2013 01:33
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/23/2013, Officers responded to the Sobering Center for a report of an intoxicated female being out of control. After a subsequent investigation Sarah Engebreth, 30 yoa, of Bethel was remanded at YKCC for Disorderly Conduct.

1310704	10/23/2013 WILLERT JR, CHARLES	1316 QUIVIK	BETHEL BET	12:17	RPT

Initial Investigator: COX, MIKE
Status: CLEARED
Date & Time Occurred: 10/23/2013 12:17
Classifications:

•TRAFFIC ACCIDENT - TRAFFIC ACCIDENT, VEHICLE DAMAGE

Comments: On 10/23/2013, at approximately 1130 hours, Officers from the Bethel Police Department responded to the area of the Quivik Subdivision in reference to a motor vehicle accident. Investigation is ongoing.

1310712	10/23/2013	186 ALEX HATELY	BETHEL BET	17:32	RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/23/2013 17:32
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On 10/24/2013 at approximately 1753 hours, Officers responded to the area of State Hwy to serve an arrest warrant. Upon arrival and after subsequent investigation Officers arrested Jonathan McInyre 24, of Bethel for an arrest warrant.

1310737	10/24/2013 DRAKE, SGT	AC MAIN	BETHEL BET	09:00	RPT

Initial Investigator: COX, MIKE
Status: CLEARED
Date & Time Occurred: 10/24/2013 09:00
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On 10/24/2013, at approximately 0902 hours, Officers from the Bethel Police Department responded to the area of the AC Main Store in reference to an intoxicated male. Upon arrival and after subsequent investigation, Officers arrested Raymond Jacobs, 59, of Bethel on outstanding warrants for violating a domestic violence protective order.

1310738	10/24/2013 SOOTS, JEFF	162 ALEX HATELY	BETHEL BBR	09:39	RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/24/2013 09:39
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT
•HARASSMENT - HARASSMENT, OTHER

•HARASSMENT - HARASSMENT, OTHER

Comments: On October 24, 2013 at approximately 0949 hours, Officers were dispatched to the area of Alex Hately for a report of a disturbance and a female bleeding from her head. Upon arrival and after subsequent investigation officers arrested Nastasia Hunter 34, of Quinahagak for two counts of Harassment in the Second Degree and one count of Disorderly Conduct.

1310739	10/24/2013 ANDERSON, MICHAEL	PD	BETHEL BET	10:40	RPT

Initial Investigator: COX, MIKE
Status: INACTIVE
Date & Time Occurred: 10/24/2013 10:40
Classifications:

•FRAUD 11.46.285 - FRAUD, ILLEGAL USE CREDIT CARDS

Comments: On 10/24/2013, at approximately 1024 hours, Officers from the Bethel Police Department responded to the lobby of the Police Department in reference to credit card fraud. Investigation is ongoing.

1310753	10/24/2013	COURT HOUSE	BETHEL BET	19:03	UNF

Initial Investigator: DAVIS, AMY
Status: ADMIN CLOSED
Date & Time Occurred: 10/24/2013 19:03
Classifications:

•MISC INCIDENTS - MISCELLANEOUS INCIDENTS

Comments: opened in error

1310758	10/24/2013 ,	AC MAIN	BETHEL BET	21:15	RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/24/2013 21:15
Classifications:

•THEFT 11.46.150 - SHOPLIFTING

Comments: On October 24, 2013 at approximately 2146 hours units from Bethel Police Department responded to the area of Ridgecrest in reference to a disturbance. Currently a subsequent investigation is pending.

1310760	10/24/2013	PARKING LOT OF BENTLEY'S	BETHEL BET	21:37	RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/24/2013 21:37
Classifications:

•OBSTRUCT POLICE 11.56.700 - RESISTING/INTERFERING W/POLICE
•OBSTRUCT POLICE - OBSTRUCTING POLICE, OTHER

Comments: On October 24, 2013 at approximately 2138 hours units responded to the area Schawlbe in reference to attempt to located a wanted fugitive. Upon subsequent investigation Fritzerald Larson was arrested for Resisting or Interfering with a arrest and False Information.

1310763	10/24/2013	PTARMIGAN AND AKAKEEK STREET	BETHEL BET	23:56	RPT

Initial Investigator: LIMANI, KADRI
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/24/2013 23:56
Classifications:

•PUBLIC PEACE - DISORDERLY CONDUCT

Comments: On 10/24/2013, Officers made contact with an intoxicated male by Ptarmigan and Akakeek Street. After a subsequent investigation Adam Andrew, 26 yoa, of Kasigluk was remanded at YKCC for Disorderly Conduct.

1310797	10/25/2013	PATARMIGAN	BETHEL BET	22:08	RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/25/2013 22:08
Classifications:

•PROCESS SERVICE - WARRANT SERVICE

Comments: On October 25, 2013 at approximately 2210 hours units from Bethel Police Department responded to the are Ptarmigan St. in reference to the sighting of a wanted fugitive at large. After subsequent investigation Paul Xavier of Bethel was arrested for a felony warrant out of Bethel.

1310807	10/26/2013	ALBAS	BETHEL DNTW	01:19	RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/26/2013 01:19
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On October 26, 2013 officers observed a woman assaulting a man at a local coffee shop. Upon contact and after subsequent investigation, it was found domestic violence assault occurred. The female, identified as Irene Yunak, was arrested for misdemeanor domestic violence assault.

1310808 10/26/2013 ME SCHOOL/ALBAS BETHEL DNTW 01:35 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/26/2013 01:35
Classifications:

•PUBLIC PEACE 11.61.110 - DISORDERLY CONDUCT

Comments: On October 26, 2013 officers transported Dorothy Alexie to protective custody due to her alcohol intoxication. Dorothy Alexie subsequently attempted to kick one of the officers on the head. She was arrested for Disorderly Conduct and remanded to YKCC.

1310836 10/26/2013 SWANSONS BETHEL BET 17:05 RPT

Initial Investigator: CORBETT, JOSEPH
Status: ACTIVE
Date & Time Occurred: 10/26/2013 17:05
Classifications:

•

Comments: CALL TYPE:

1310841 10/26/2013 ED AUTO BETHEL HOF 19:44 RPT

Initial Investigator: HERROD, JERRY
Status: REFERRED OTHER JURISDICTION
Date & Time Occurred: 10/26/2013 19:44
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT
•ASSAULT 11.41.220 - INTIMIDATION (INCLUDES STALKING)

Comments: On October 26, 2013 officers responded to a disturbance near State Hwy. and Hoffman Rd. Incident under investigation at this time.

1310854 10/27/2013 186 SLOUGH BETHEL BET 02:36 RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/27/2013 02:36
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On October 27, 2013 at approximately 0251 hours units from Bethel Police Department responded to the area of East Ave. in reference to a disturbance. After subsequent investigation Dyane Green of Bethel was arrested for Domestic Violence Assault in the fourth Degree.

1310857 10/27/2013 KVA/BABS BETHEL BET 04:31 RPT

Initial Investigator: BRYANT, VINCENT
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/27/2013 04:31
Classifications:

•PROCESS SERVICE - WARRANT SERVICE

Comments: On October 27, 2013 at approximately 0454 hours units from Bethel Police Department responded to the area of 5th Avenue in reference to a wanted fugitive. Upon subsequent investigation Billy Joe Nick of Bethel was arrested for having a active warrant out Anchorage AST jurisdiction for Contempt of Court.

1310870 10/27/2013 138 B EAST AVE BETHEL BET 13:50 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED
Date & Time Occurred: 10/27/2013 13:50
Classifications:

•LOST PROPERTY - LOST PROPERTY

Comments: On 10/27/2013 officers responded to the area of East Ave for a report of trespassing. Upon arrival and after subsequent investigation officers recovered lost property.

1310877 10/27/2013 CORAPI, JEFF 4405 LARSON SUBDIVISON BETHEL LAR 17:25 RPT

Initial Investigator: HENDRIX, SAMMIE
Status: INACTIVE
Date & Time Occurred: 10/27/2013 17:25
Classifications:

•DAMAGED PROPERTY 11.46.482 - DAMAGED PROPERTY, PRIVATE

Comments: On October 27, 2013 at approximately 5:32 pm officers were dispatched to the Larson area in reference to property damage. Upon arrival and subsequent investigation it was determined that damage to a furnace had occurred.

1310878 10/27/2013 BNC SOUTH BETHEL BET 18:33 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/27/2013 18:33

Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/27/2013 Officers responded to the area of Ridgecrest for a reported disturbance. Upon arrival and after subsequent investigation officers arrested Maxine Brink, 37 of Bethel for Assault 4 DV.

1310883 10/27/2013 825 PTARM BETHEL TR 22:05 RPT

Initial Investigator: HERROD, JERRY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/27/2013 22:05
Classifications:

•DAMAGED PROPERTY 11.46.482 - DAMAGED PROPERTY, PRIVATE

Comments: On 10/27/2013 officers responded to a domestic disturbance report at a Ptarmigan St residence. Michael Reuter was reported to be destroying to residence. When officers arrived, they found Michael Reuter barricaded inside the residence but he exited shortly after. Officers found the inside of the residence damaged beyond repair. Michael Reuter was arrested for felony Criminal Mischief and remanded to YKCC.

1310897 10/28/2013 MALONE INSURANCE AREA BETHEL DNTW 07:14 RPT

Initial Investigator: REID, ANDREW
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/28/2013 07:14
Classifications:

•DUI 28.35.030(A) - ALCOHOL
•TRAFFIC (CRIMINAL VIOLATION) 28.22.011 - CRIMINAL TRAFFIC VIOLATION
•TRAFFIC ACCIDENT AS 28.35.050(B) - TRAFFIC ACCIDENT, VEHICLE DAMAGE

Comments: On 10/28/2013 Officers responded to the area of Third Ave for a REDDI report and vehicle crash. Upon arrival and after subsequent investigation officers arrested Bradley Amos, 35 of Bethel for DUI, Leaving the scene of an accident, and driving without insurance.

1310903 10/28/2013 YKCC BETHEL BET 12:09 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/28/2013 12:09
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On 10/28/2013, at approximately 1220 hours, Officers from the Bethel Police Department responded to YKCC in reference to a female with an outstanding warrant wanting to turn herself in. Upon arrival and after subsequent investigation, Officers arrested Marlene Bell, 26, of St Marys on the outstanding warrant for failure to comply with probation conditions.

1310932 10/31/2013 175 ALEX HATELY BETHEL BET 10:23 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/31/2013 10:23
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On 10/31/2013 at approximately 1735 hours Officers responded to the area of Schwalbe to serve an arrest warrant. Upon arrival and after subsequent investigation officers arrested Michael Paulson 25, of Betnel on a Misdemeanor Arrest Warrant.

1310949 10/29/2013 480 7TH AVE BETHEL BET 17:45 RPT

Initial Investigator: COX, MIKE
Status: CLEARED ADULT ARREST
Date & Time Occurred: 10/29/2013 17:47 - 19:00
Classifications:

•ASSAULT 11.41.230 - SIMPLE ASSAULT

Comments: On 10/29/2013, at approximately 1747 hours, Officers from the Bethel Police Department responded to the area of Seventh Avenue in reference to a disturbance. Upon arrival and after subsequent investigation Officers arrested John Japhet, 31, of Bethel for Assault in the Fourth Degree, 3-counts of Assault in the Third Degree, and Misconduct Involving Weapons in the 4th Degree.

1310966 10/30/2013 LARSON, BARBARA 132 2ND RD HOUSING BETHEL BET 08:51 RPT

Initial Investigator: DAVIS, AMY
Status: CLEARED JUVENILE ARREST
Date & Time Occurred: 10/30/2013 08:51
Classifications:

•OTHER CRIMES AGAINST SOCIETY - WARRANT

Comments: On 10/30/2013 at approximately 1855 hours, Officers responded to the area of Atsaq for an unknown female banging on the front door. Upon arrival and after subsequent investigation officers arrested F.O. 17, of Bethel for a misdemeanor bench warrant.

Department Incident Activity Report

BPD
10/01/2013 -- 10/31/2013

Classification	Events Rptd	Unfounded	Actual	Clr Arrest	Clr Exception	Clr Juveniles	Total Clr	Percent Clr
ABANDON VEHICLE	1	0	1	0	0	0	0	0.0
	1	0	1	0	0	0	0	0.0
ANIMAL ATTACK	4	0	4	0	0	0	4	100.0
ANIMAL ATTACK	4	0	4	0	0	0	4	100.0
ANIMAL CALL	1	0	1	0	0	0	0	0.0
ANIMAL CALL, OTHER	1	0	1	0	0	0	0	0.0
ASSAULT	23	0	23	14	0	0	18	90.0
AGGRAVATED ASSAULT, FAMILY, KNIFE/CUT INSTR	1	0	1	0	0	0	1	100.0
AGGRAVATED ASSAULT, NONFAMILY, KNIFE/CUT INSTR	1	0	1	0	0	0	0	0.0
AGGRAVATED ASSAULT, NONFAMILY, OTH WEAPON	1	0	1	1	0	0	1	100.0
INTIMIDATION (INCLUDES STALKING)	1	0	1	0	0	0	0	0.0
SIMPLE ASSAULT	19	0	19	13	0	0	16	94.1
BURGLARY	1	0	1	0	0	0	0	0.0
BURGLARY, FORCED ENTRY NONRESIDENCE	1	0	1	0	0	0	0	0.0
DAMAGED PROPERTY	13	0	13	7	0	0	10	76.9
DAMAGED PROPERTY, BUSINESS	2	0	2	1	0	0	1	50.0
DAMAGED PROPERTY, PRIVATE	11	0	11	6	0	0	9	81.8
DRUNKENNESS	1	0	1	0	0	0	1	100.0
DRUNKENNESS	1	0	1	0	0	0	1	100.0
DUI	7	0	7	5	0	0	6	100.0
ALCOHOL	7	0	7	5	0	0	6	100.0
FOUND PROPERTY	1	0	1	0	0	0	1	100.0
FOUND PROPERTY	1	0	1	0	0	0	1	100.0
FRAUD	1	0	1	0	0	0	0	0.0
FRAUD, ILLEGAL USE CREDIT CARDS	1	0	1	0	0	0	0	0.0
HARASSMENT	7	0	7	6	0	0	6	85.7
HARASSMENT, OTHER	6	0	6	6	0	0	6	100.0
SUSPICIOUS/HARASSING PHONE CALLS	1	0	1	0	0	0	0	0.0
LOST PROPERTY	1	0	1	0	0	0	1	100.0
LOST PROPERTY	1	0	1	0	0	0	1	100.0
MISC INCIDENTS	3	0	3	0	0	0	2	66.7
MISCELLANEOUS INCIDENTS	3	0	3	0	0	0	2	66.7
OBSTRUCT JUSTICE	2	0	2	2	0	0	2	100.0
CONDITIONAL RELEASE VIOLATION	2	0	2	2	0	0	2	100.0

OBSTRUCT POLICE	8	0	8	8	0	0	8	100.0
OBSTRUCTING POLICE, OTHER	1	0	1	1	0	0	1	100.0
RESISTING/INTERFERING W/POLICE	7	0	7	7	0	0	7	100.0
OTHER CRIMES AGAINST SOCIETY	6	0	6	4	0	1	6	100.0
WARRANT	6	0	6	4	0	1	6	100.0
PRIVACY VIOLATION	1	0	1	1	0	0	1	100.0
CRIMINAL TRESPASS	1	0	1	1	0	0	1	100.0
PROCESS SERVICE	4	0	4	4	0	0	4	100.0
WARRANT SERVICE	4	0	4	4	0	0	4	100.0
PUBLIC INTOX	1	0	1	1	0	0	1	100.0
PUBLIC INTOXICATION	1	0	1	1	0	0	1	100.0
PUBLIC PEACE	15	0	15	15	0	0	15	100.0
DISORDERLY CONDUCT	15	0	15	15	0	0	15	100.0
SEXUAL ASSAULT	3	0	3	0	0	0	0	0.0
RAPE, ATTEMPT TO COMMIT FORCIBLE	1	0	1	0	0	0	0	0.0
RAPE, STRONGARM	2	0	2	0	0	0	0	0.0
STOLEN VEHICLE	1	0	1	0	0	0	1	100.0
VEHICLE THEFT, AUTO	1	0	1	0	0	0	1	100.0
THEFT	6	1	5	1	0	0	2	40.0
LARCENY, BICYCLE	1	0	1	0	0	0	0	0.0
SHOPLIFTING	1	0	1	1	0	0	1	100.0
THEFT OTHER	4	1	3	0	0	0	1	33.3
TRAFFIC (CRIMINAL VIOLATION)	4	0	4	3	0	0	4	100.0
CRIMINAL TRAFFIC VIOLATION	4	0	4	3	0	0	4	100.0
TRAFFIC ACCIDENT	6	0	6	1	0	0	6	100.0
HIT/RUN, INJURY	2	0	2	0	0	0	2	100.0
TRAFFIC ACCIDENT, INJURY	2	0	2	0	0	0	2	100.0
TRAFFIC ACCIDENT, VEHICLE DAMAGE	2	0	2	1	0	0	2	100.0
TRESPASSING	7	0	7	6	0	0	7	100.0
TRESPASSING, PRIVATE PROPERTY	7	0	7	6	0	0	7	100.0
Event Totals	132	1	131	78	0	1	106	84.1

Arrest Report

Bethel Police Department
220 Chief Eddie Hoffman Hwy.
Bethel AK., 99559
907-543-3781

CLASSIFICATION	NUMBER OF ARRESTS
ASSAULT	16
DAMAGED PROPERTY	8
DUI	5
HARASSMENT	5
OBSTRUCT JUSTICE	2
OBSTRUCT POLICE	10
OTHER CRIMES AGAINST SOCIETY	4
PRIVACY VIOLATION	1
PROCESS SERVICE	5
PUBLIC INTOX	1
PUBLIC PEACE	16
TRAFFIC (CRIMINAL VIOLATION)	3
TRAFFIC ACCIDENT	1
TRESPASSING	11

Bethel City Council

Office of the City Clerk

Clerk's Report

City of Bethel, Alaska

City Clerk's Office

To: City Council
From: Lori Strickler
Subject: Clerk's Report

Upcoming Council Events:
November 18-22, 2013 Alaska Municipal League Conference
November 26, 2013 Regular City Council Meeting
December 10, 2013 Regular City Council Meeting
The December 24, 2013 Regular City Council Meeting was previously cancelled due to the holiday.

Records Retention –

Laserfiche
The departments have been on hold with their uploading of documents due to the speed of the system. The IT Department is working on repairing the server which will allow this system as well as a few others within the City's network, operate much faster.

Records Retention Schedule
Modifications have been made to all of the departments record retention submissions and return to them for comment. Comments from the one department still has not been received so the City Clerk's Office is moving forward with the final review with the City Attorney.

Document Restoration
As with previous years, the City Clerk's Office has another group of Ordinance books to Browns River for document restoration. These should be the final three books for Ordinances which means next year; the City Clerk's Office will begin binding the Resolutions.

Miscellaneous

Please note, the City Clerk's Office will be closed from November 18-20, while the City Clerk attends the Alaska Association of Municipal Clerk's Conference. The City Clerk's Assistant will be off during this time for personal reasons.

Elections

The City Clerk along with the State's Division of Elections is considering moving Precinct #1 from the Long House Hotel to an alternate location. The City Clerk will be preparing a Resolution for Council's consideration as well as for public comment to determine if the community would be in favor of housing both Precinct #1 and Precinct #1 at the Cultural Center. If, after the public comment, the community is not is support of this alternative, the City Clerk's Office will be searching for other precinct options.

Committee/Commission

The City Clerk's Office has received applications for reappointment from some of the member's whose terms will expire in December. When received, the applications are provided to the Mayor for approval then placed on the Council's agenda for final appointment.

As with previous years, the City Clerk's Office will hold the committee and commission training in February and March of 2014.

Much time has been spent reviewing the City's Water and Sewer Rate Study provided by CH2MHILL. The AM prepared for the agenda provides a brief summary of the study as well as recommendations selected by the Mayor.

As a member of three committees for the Alaska Association of Municipal Clerks, the City Clerk's Office has been preparing for the committees a number of forms and electronic certificates for the upcoming AML Conference.

The City of Bethel currently has vacancies on the following Committees & Commissions.

Port Commission (1 Commission Vacancy 2 Alternate Vacancies)
1 one year term

Public Works Committee (2 Alternates Vacancies)

Energy Committee (2 Committee Vacancies 2 Alternate Vacancies)
1 two year term

Finance Committee (2 Alternate Vacancies)

Planning Commission (2 Commission Vacancies and 2 Alternate Vacancies)
1 two year term
1 one year term

Public Safety and Transportation Commission (2 Alternate Vacancies)

The City of Bethel is committed to citizen involvement in local government to develop programs and services, which provide efficient and positive benefits for residents, workers and visitors. The City has established committees which are advisory in nature and commissions which are quasi-judicial. Qualifications to serve vary with the committees and commissions, but the most important qualifications are interest and a willingness to serve your community.

If you are interested in offering your services to Bethel's community, by serving on a committee or commission, please pick up an application at the City Clerk's office or contact the City Clerk at 543-1384 or at lstrickler@cityofbethel.net for more information.

Bethel City Council Member List

Name	P.O. Box Number	Home Number	Work Number	Fax Number	E-Mail	Term	Committee/Commission Representative
Joseph Klejka Mayor	449	543-2984	543-6028	543-3817	jklejka@cityofbethel.net	2012-2014	Public Works Committee
Richard Robb Vice- Mayor	1195	543-1879	N/A	543-3817	rrobb@cityofbethel.net	2013-2015	Energy Committee
Eric Whitney Council Member	923	543-4053	545-1309	543-3817	ewhitney@cityofbethel.net	2012-2014	Parks and Recreation Committee
Sharon Sigmon Council Member	3505	543-3452	543-6931	543-3817	ssigmon@cityofbethel.net	2012-2014	Public Safety and Transportation Commission
Mark Springer Council Member	3311	545-1450	543-3989	543-3817	mspringer@cityofbethel.net	2013-2015	Port Commission
Heather Pike Council Member	1987	444-7811	543-3313	543-3817	hpike@cityofbethel.net	2013-2015	Planning Commission
Leif Albertson Council Member	904	543-2819	545-5510	543-3817	labertson@cityofbethel.net	2013-2015	Finance Committee

Name	P.O. Box Number	Work Number	Fax Number	E-Mail	Office Location
Lee Foley City Manager	1388	543-1373	543-1394	lfoley@cityofbethel.net	City Hall
Patty Burley City Attorney	1388	543-1385	543-2963	pburley@cityofbethel.net	City Hall
Lori Strickler City Clerk	1388	5431384	5433817	lstrickler@cityofbethel.net	City Hall

Additional Information