



CITY OF BETHEL
PUBLIC WORKS COMMITTEE
WEDNESDAY, SEPTEMBER 21, 2022, 5:30 PM

LOCATION: CITY HALL, 300 CHIEF EDDIE HOFFMAN HIGHWAY

JOIN ZOOM MEETING: [HTTPS://US06WEB.ZOOM.US/J/83051385613?PWD=UZZINWZOV0ZWNKXLUNP3BKEYOUJXDZ09](https://us06web.zoom.us/j/83051385613?pwd=UZZINWZOV0ZWNKXLUNP3BKEYOUJXDZ09)

888 475 4499 US TOLL-FREE

833 548 0276 US TOLL-FREE

833 548 0282 US TOLL-FREE

877 853 5257 US TOLL-FREE

MEETING ID: 830 5138 5613

PASSCODE: 605375

MEMBERS

Ryan Butte, Vice-Chair

Alyssa Leary

Juan Delgado

Mark Springer, Chair/Council Rep.

STAFF

Bill Arnold, Ex Officio Member

pwadmin@cityofbethel.net

907-543-3110

I. CALL TO ORDER

II. ROLL CALL

III. PEOPLE TO BE HEARD – FIVE MINUTES PER PERSON

- A. Please submit written public comments to pwadmin@cityofbethel.net by 4:00 p.m. the day of the meeting.

IV. APPROVAL OF AGENDA

V. APPROVAL OF MEETING MINUTES

- A. July 20, 2022 Meeting Minutes
B. August 17, 2022 Meeting Minutes

VI. UNFINISHED BUSINESS

- A. Amending BMC 08.12.020 and 08.12.030, Related to Plastic Bags And Disposable Food Service Ware
B. Follow Up On Recommendation For Code Enforcer Position
C. Evaluation Of Committees 2022 Goals, Tasks And Priorities
D. Bethel Comprehensive Plan Update-Committee Review And Input

VII. NEW BUSINESS

VIII. EX OFFICIO REPORT

- A. Monthly Department Head Operational Reports

IX. MEMBER COMMENTS

X. ADJOURNMENT

Posted September 15, 2022 at City Hall, AC Co., Swanson's, and the Post Office.

Name, Ex-Officio Staff

Posted September 15, 2022 at City Hall, AC Co., Swanson's, and the Post Office.

Name, Ex-Officio Staff

City of Bethel, Alaska

Public Works Committee Minutes

July 20, 2022

Regular Meeting

Bethel, Alaska

I. CALL TO ORDER:

A regular Public Works Committee Meeting was held on July 20, 2022, via Zoom. Mark Springer called the meeting to order at 05:39 pm.

II. ROLL CALL:

Comprising a quorum of the committee, the following were present for Roll Call: Ryan Butte, Mark Springer, Alyssa Leary, Juan Delgado

III. PEOPLE TO BE HEARD:

IV. APPROVAL OF AGENDA:

Moved By:	Ryan Butte	Motion to approve agenda
SECONDED BY:	Juan Delgado	
VOTE ON MOTION	Motion carried by unanimous vote.	

V. APPROVAL OF MINUTES:

- A. October 20, 2021, Regular Meeting
- B. November 17, 2021, Meeting Minutes
- C. December 15, 2021, Meeting Minutes
- D. January 19, 2022, Regular Meeting Minutes
- E. February 16, 2022, Regular Meeting Minutes
- F. March 16, 2022, Regular Meeting Minutes
- G. April 20, 2022, Regular Meeting
- H. May 18, 2022, Regular Meeting

Moved By:	Alyssa Leary	Motion to approve meeting minutes.
SECONDED BY:	Ryan Butte	
VOTE ON MOTION	Motion carried by unanimous vote.	

VI. UNFINISHED BUSINESS:

- A. Amending BMC 08.12.020 and 08.12.030, related to plastic bags and Disposable Food Service Ware
- B. Follow Up on Recommendation for Code Enforcer Position
- C. Election of Vice-Chair

Moved By:	Alyssa Leary	Motion to nomination for Ryan Butte to be Vice-Chair.
SECONDED BY:	Juan Delgado	
VOTE ON MOTION	Motion carried by unanimous vote.	

D. Election of Chair Motion

Moved By:	Alyssa Leary	Motion to nomination for Mark Springer to be Chair.
SECONDED BY:	Juan Delgado	
VOTE ON MOTION	Motion carried by unanimous vote.	

E. Evaluation of Committees 2022 Goals, Tasks and Priorities

F. Declaration of Vacancy- Two Seats Due to Member Resignations

Declaration of vacancy to remove seats due to member resignations		
Moved By:	Ryan Butte	Motion to declare, Declaration of vacancy to remove Fritz Charles, and Judy Jordan from the seats due to resignations.
SECONDED BY:	Juan Delgado	
VOTE ON MOTION	Motion carried by unanimous vote.	

G. Explanation of Possible Amendments to Bethel Municipal Code to Clarify Ownership of Piped Water Service Lines

H. Review of Fiscal Year 2023 Proposed Budget

I. Bethel Comprehensive Plan Update-Committee Review and Input

VII. NEW BUSINESS:

VIII. EX OFFICIO MEMBER REPORT:

A. Monthly Department Head Operational Reports

IX. COMMITTEE MEMBER COMMENTS:

A.Leary: Thank everyone to be here tonight.

R.Butte: Thinking about trying out talk-line for the first time, good meeting.

J.Delgado: Good meeting.

M.Springer: More members and that we continue to talk about trash bags.

X. ADJOURNMENT:

MOVED BY:	Ryan Butte	Motion to adjourn.
SECONDED BY:	Alyssa Leary	
VOTE ON MOTION	Motion carried by unanimous vote.	

With no further business, meeting adjourned at 06:30 PM.

APPROVED THIS _____ DAY OF _____, 2022.

Mark Springer
Committee Chair

Frank Bayer
Recorder of Minutes

City of Bethel, Alaska

Public Works Committee Minutes

August 17, 2022

Regular Meeting

Bethel, Alaska

I. CALL TO ORDER:

A regular Public Works Committee Meeting was held on August 17, 2022, Mark Springer called the meeting a no show due to missing members at 5:40 PM meeting ended.

II. ROLL CALL:

Comprising a quorum of the committee, the following were present for Roll Call:

Mark Springer: here

Ryan Butte: here

Alyssa Leary: here

Juan Delgado: no show

Also Present:

Frank Bayer: here

Bill Arnold: here

In the absence of a quorum, the meeting adjourned.

Mark Springer
Committee Interim Chair

Frank Bayer
Recorder of Minutes

Chapter 8.12

PLASTIC BAGS AND POLYSTYRENE CONTAINERS

Sections:

- 8.12.010 Definitions.**
- 8.12.020 Nonbiodegradable plastic carry-out bags.**
- 8.12.030 Polystyrene foam disposable food service ware.**
- 8.12.040 Exemptions.**

8.12.010 Definitions.

"Affected retail establishment" means any commercial business facility that sells goods directly to the ultimate consumer including but not limited to grocery stores, pharmacies, and retail stores.

"ASTM standard" means meeting the standards of the American Society for Testing and Materials (ASTM) International Standards D6400 or D6868 for biodegradable and compostable plastics.

"Biodegradable" means the entire product or package will completely break down and return to nature, i.e., decompose into elements found in nature within a reasonably short period of time after customary disposal.

"Customer" means any person obtaining prepared food from a restaurant or retail vendor.

"Disposable food service ware" means all containers, bowls, plates, trays, cartons, cups, lids, and other items that are designated for one-time use and on, or in, which restaurant or retail food vendors directly places or packages prepared food or which are used to consume foods. This includes, but is not limited to, service ware for takeout foods and/or leftovers from partially consumed meals prepared at restaurants or retail food vendors.

"Food vendor" means any restaurant or retail food vendor located or operating within the city of Bethel.

"Polystyrene foam" means and includes blown polystyrene and expanded and extruded foams which are thermoplastic petrochemical materials utilizing a styrene monomer and processed by any number of techniques including but not limited to fusion of polymer spheres, injection molding, foam molding, and extrusion-blow molding. Polystyrene foam is generally used to make cups, bowls, plates, trays otherwise known as Styrofoam. [Ord. 09-12 § 2.]

8.12.020 Nonbiodegradable plastic carry-out bags.

A. Affected retail establishments, food vendors and nonprofit vendors are prohibited from providing plastic carry-out bags to their customers at the point of sale to transport purchased items. Reusable bags, recyclable paper bags and compostable bags, including biodegradable plastic bags, are allowed alternatives.

- B. Nothing in this section shall be read to preclude affected retail establishments, food vendors and nonprofit vendors from making recyclable paper bags available to customers.
- C. Affected retail establishments, food vendors and nonprofit vendors are encouraged to provide incentives for the use of reusable bags through education and through credits or rebates for customers that use reusable bags at the point of sale for the purpose of carrying away goods.
- D. No person shall distribute plastic carry-out bags at any city facility or any event held on city property. [Ord. 09-12 § 2.]

8.12.030 Polystyrene foam disposable food service ware.

- A. Except as provided in BMC [8.12.040](#), food vendors are prohibited from providing prepared food to customers in disposable food service ware that uses polystyrene foam.
- B. All city facilities are prohibited from using polystyrene foam disposable food service ware and all city departments and agencies will not purchase or acquire polystyrene foam disposable food service ware for use at city facilities.
- C. All food vendors using any disposable food service ware will use biodegradable or compostable disposable food service ware unless they can show an affordable biodegradable or compostable product is not available for a specific application. Food vendors are strongly encouraged to reuse food service ware in place of using disposable food service ware. [Ord. 09-12 § 2.]

8.12.040 Exemptions.

- A. Prepared food prepared or packaged outside the city of Bethel is exempt from the provisions of this chapter. Purveyors of food prepared or packaged outside the city of Bethel are encouraged to follow the provision of this chapter.
- B. Food vendors will be exempted from the provisions of this chapter for specific items or types of disposable food service ware if the city administrator or their designee finds that a suitable affordable biodegradable or compostable alternative does not exist and/or that imposing the requirements of this chapter on that item or type of disposable food service ware would cause undue hardship.
- C. Polystyrene foam coolers and ice chests that are intended for reuse are exempt from the provisions of this chapter.
- D. Disposable food service ware composed entirely of aluminum is exempt from the provisions of this chapter.
- E. *Emergency Supply and Service Procurement.* In a situation deemed by the city administrator to be an emergency, for the immediate preservation of the public peace, health or safety, city facilities, food vendors, contractors and vendors doing business with the city shall be exempt from the provisions of this chapter. [Ord. 09-12 § 2.]

The Bethel Municipal Code is current through Ordinance 21-49, passed October 12, 2021.

Disclaimer: The city clerk's office has the official version of the Bethel Municipal Code. Users should contact the city clerk's office for ordinances passed subsequent to the ordinance cited above.

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[City Website: www.cityofbethel.org](http://www.cityofbethel.org)

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Article VIII. Public Works Committee

2.60.200 Establishment of public works committee.

There is established a public works committee for the purpose of advising the city council on city roads, facilities, utility operations, vehicle and equipment operations, and other public works-related matters. [Ord. 21-20 § 4, 2021.]

2.60.210 Public works committee duties.

A. The public works committee may review and make recommendations to the council on:

1. The operations of the city's water and wastewater collection, distribution, treatment and compliance; and solid waste planning, collection, disposal and compliance.
2. The development, operations, and maintenance of city properties, roads, traffic, drainage, snow removal, parks, cemeteries, grounds, and trails.
3. The operations of the transit system.
4. The operations and maintenance of the city's vehicle fleet and heavy equipment.
5. The budget as it relates to public works operations and capital projects.
6. City capital planning and implementation of projects related to public works.
7. Energy and environmental improvements for city operations.
8. The progress toward achieving the goals set out in the city's comprehensive plan as they relate to public works.

B. The public works committee may perform other such duties as the city council may from time to time refer. [Ord. 21-20 § 4, 2021.]

MEETING: Public Works Committee Meeting – April 20, 2022
TOPIC: Bethel Comprehensive Plan Update 2045 – Energy, Public Facilities & Services
PRESENTER: LaQuita Chmielowski – DOWL Senior Land Use Planning Manger &
Comprehensive Plan Update Project Manager

Comprehensive Plan Update – Project Introduction

The City of Bethel, working with DOWL, is updating its Comprehensive Plan. The Plan was last updated in 2011 and looked towards 2035; the Comprehensive Plan Update currently in progress is planning for Bethel in 2045.

The Bethel Comprehensive Plan 2045 is a guide for community development and services. It sets clear goals and strategies to achieve those goals. This, combined with the flexibility needed to respond to new situations and opportunities, creates the framework to successfully implement the City's vision. As with any plan, periodic updates are required to acknowledge current conditions and changes to community priorities and goals.

The Comprehensive Plan covers topics like:

- Regional context
- Vision and goals
- Land use, housing, and environment
- Transportation
- Economic development
- Energy
- Public facilities and services

The Plan integrates these topics and suggests implementation strategies that lead to projects with the flexibility to adapt to unforeseen changes.

Public Works Committee Input Requested

As part of the Comprehensive Plan Update, we are gathering input from the public at Community Meetings (first one was held on March 24), a stakeholder working group meeting bi-weekly, the City Council, and City committees and commissions, including the Public Works Committee.

Please review the appended excerpts relating to Public Works in Bethel:

- Current Comprehensive Plan (2011) sections:
 - o Energy
 - o Public Facilities & Services

These sections will be the starting point for the parts of our Comprehensive Plan Update 2045 that address Energy and Public Facilities & Services. Some goals or implementation action items may have been achieved, some may no longer be relevant, or some important new priorities could be missing from the plan. For example, DOWL is currently working on a Utility Rate Study for Bethel, as well as a report on piped water and sewer infrastructure, both of which are not addressed in the 2011 plan since they were not in progress yet. Additionally, the structure of our plan sections could change. For these reasons, we value your review and any input you can provide, whether the input is broad guidance on priorities or specific items to note.

At the April 20 Public Works Committee meeting, LaQuita Chmielowski will provide a brief introduction to the Comprehensive Plan Update project and the input we are seeking from the Public Works Committee. This meeting will serve as an introduction, and DOWL will plan to return to a future Public Works Committee meeting to discuss comments and questions in greater detail.

Additional Information & Contact

We are early in our process of gathering community input on the Comprehensive Plan Update during Spring 2022. We understand that we will not have time to cover all input the Committee may have to offer at the April 20 meeting. Engagement and work on the project is scheduled to continue until Fall 2022, so please feel free to reach out with questions or comments at any time.

For more information about the project and upcoming meetings, check out the project website: <https://bethelcompplanupdate.com/>

Send us an email with comments or questions: BethelCompPlanUpdate@dowl.com

Add your comments to the Public Comment Map on the project website: <https://bethelcompplanupdate.com/public-comment-map>

Or, call Morgan McCammon, DOWL Public Involvement Specialist: 907-562-2000

Energy (Chapter 7)

High energy costs (for electricity, home heating, and for cars, snowmachines, boats and planes) are driving up the cost of living and the cost of doing business in Bethel, for both public and private entities. One of the highest priorities for Bethel is to find a way to lower or at least to stabilize energy costs. Because of Bethel's location, distant from Alaska's major population centers and off the road system, and due to the area's cold climate and lack of local energy-producing resources, it is unlikely that Bethel will see energy prices lower substantially.

There are a number of initiatives currently underway to address the high cost of energy in Bethel. Bethel residents are using new and traditional energy sources (such as wood-burning technology) to heat buildings and generate electricity (e.g., wind turbines). The City and Orutsararmiut Native Council (ONC) are working with others in the community to help reduce energy use and energy costs. The Housing Authority partnered with AHFC to train energy auditors, and ONC has funding to help homeowners improve the energy efficiency of their houses. The City is looking at alternatives including natural gas and large-scale wind energy.

Regional projects under consideration include:

- a hydroelectric facility at Chikuminuk Lake to provide electricity to Bethel and 13 villages in the Yukon-Kuskokwim Delta, with regional plants, interties, and wind farms supplementing power needs in individual communities as needed.
- options for natural gas.
- construction of electric transmission lines among clusters of villages to distribute power from a system of centralized shared power generation plants.
- Bulk fuel purchases, in which multiple communities purchase fuel as a group.

The City recently completed a study of potential costs savings that could be realized under different electric utility ownership structures, alternative fuel procurement, increased wind-generation, and with surplus heat sales (waste heat). The study found that:

- On balance private ownership of a local electric utility is not the major cause of high electric prices in Bethel.
- Electricity costs in rural Alaska are largely a function of the cost of diesel fuel.
- The integration of wind could help reduce costs for electricity (by between 1.8 and 5.3 percent) when the utility itself provides the wind resource. When wind generation is held by a third party, potential cost savings are significantly reduced.
- The ideal electric utility model for Bethel would be a cooperative that operates its own fuel storage (possibly using a pipeline system), integrates wind, and allows the city to utilize waste heat. *This assumes that BUC would be willing to sell to a cooperative and that a locally based cooperative could be formed with the capacity and resources to take over and run the utility.*

- The City should develop relationships with key agencies, businesses and institutions, including BUC (or its successor), the RCA and the RAPA,² and other organizations to work on energy issues in Bethel.
- A regional energy cooperative with the ability to address energy needs and issues at the regional level could be formed to make bulk fuel purchases and lower the cost of diesel fuel.
- While new energy sources need to be pursued, energy conservation is the single most important means to respond to rising energy costs. Over the long term, more manageable energy costs will likely come about through a range of modest actions, rather than one or two dramatic changes.

Priority Implementation Actions:

Priority Energy implementation actions include:

- Establish education and support services for local residents and builders so that existing homes can be made more energy efficient, and to support energy efficient design and construction for new homes. (GOAL 1, Action 1b, p9-23)
- Encourage the use of more fuel-efficient motorized vehicles. (GOAL 1, Action 2c, p9-23)
- Share and update information (e.g., maps of future commercial, residential and/or institutional development, maps of easements and rights-of-way, plans for utility infrastructure expansion) on an annual basis, with the goal of improving the City's ability to coordinate planning for future land development and a range of energy solutions. . (GOAL 2, Action 3a, p9-24)
- Engage in a joint long-range planning effort to ensure that the utility, the City, major electricity users, and other local and regional stakeholders work together to meet community electricity needs. (GOAL 2, Action 3b, p9-24)
- Explore the feasibility of a City-owned tank farm. (GOAL 2, Action 4a, p9-24)
- Explore bulk fuel purchasing options. (GOAL 2, Action 4b, p9-24)
- Develop new City policy to guide the placement and operation of wind turbines to ensure the safety and quiet enjoyment of the community. (GOAL 3, Action 1a, p9-24)
- Work with the electric utility to understand the capacity of Bethel's electric generation and transmission infrastructure to accommodate alternative energy sources, and also to determine the most appropriate levels of investment in various alternative energy sources. (GOAL 3, Action 1b, p9-24)
- Reserve land or land development rights for alternative energy development and facilities (e.g., wind turbines, natural gas pipeline rights-of-way). (Also Land Use Goal 1.) (GOAL 3, Action 1c, p9-25)

² The Regulatory Commission of Alaska (RCA) is the State Commission that regulates utilities in Alaska. The Regulatory and Public Affairs (RAPA) Division of the Attorney General advocates for the public interest in matters that come before the RCA.

- Explore the use of innovative financing programs for renewable energy investments (e.g., Property Assessed Clean Energy or Sales Tax Assessed Clean Energy). (GOAL 3, Action 1d, p9-25)
- Coordinate with regional partners, at a minimum to keep City and regional partners informed of each other's energy-related policies and projects. As practicable, coordinate local and regional policies and projects, including (but not limited to) options for hydro and natural gas prospects, regional wind farms, and inter-village transmission lines connecting centralized power plants. (GOAL 3, Action 2a, p9-25)

Public Facilities and Services (Chapter 8)

The City of Bethel provides a number of important services and facilities to the Bethel community, which contributes to Bethel's status as a regional hub. This chapter also provides specific guidance to several City departments: Administration, Finance, Public Works, Technology, Fire and Emergency Services, Police, and Parks and Recreation.

- **Administration:** Administrative services for the City of Bethel are provided by the City Manager, City Clerk, Grants Manager and Finance Department. Priorities include improvements to administrative policy and procedure that will improve customer service and foster a more forward-thinking approach to financial management and decision-making.
- **Public Works:** The Bethel Public Works Department provides water and sewer services, and owns and operates the associated infrastructure, including water wells, pipes, trucks,³ five sewer lift stations and a sewage lagoon to treat and dispel wastewater. It is also responsible for operations, maintenance, construction and planning oversight for the City's solid waste facilities, and cleanup and trash collection for City property. The City owns dumpsters, a haul truck, a municipal landfill for solid waste and a recycling center. Priorities include addressing the future need to replace the existing landfill and lagoon, and to settle on the optimum form of a hybrid piped and trucked system, which will likely mean establishing new satellite water/sewer stations.

³ Two water treatment facilities are in operation: the Bethel Heights Water Treatment Plant (BHWTP) and the City Subdivision Water Treatment Plant. A third water treatment facility, the City Center Water Treatment Plant was decommissioned and replaced by the City Subdivision plant.

Map 8.1

City of Bethel *Public Works*



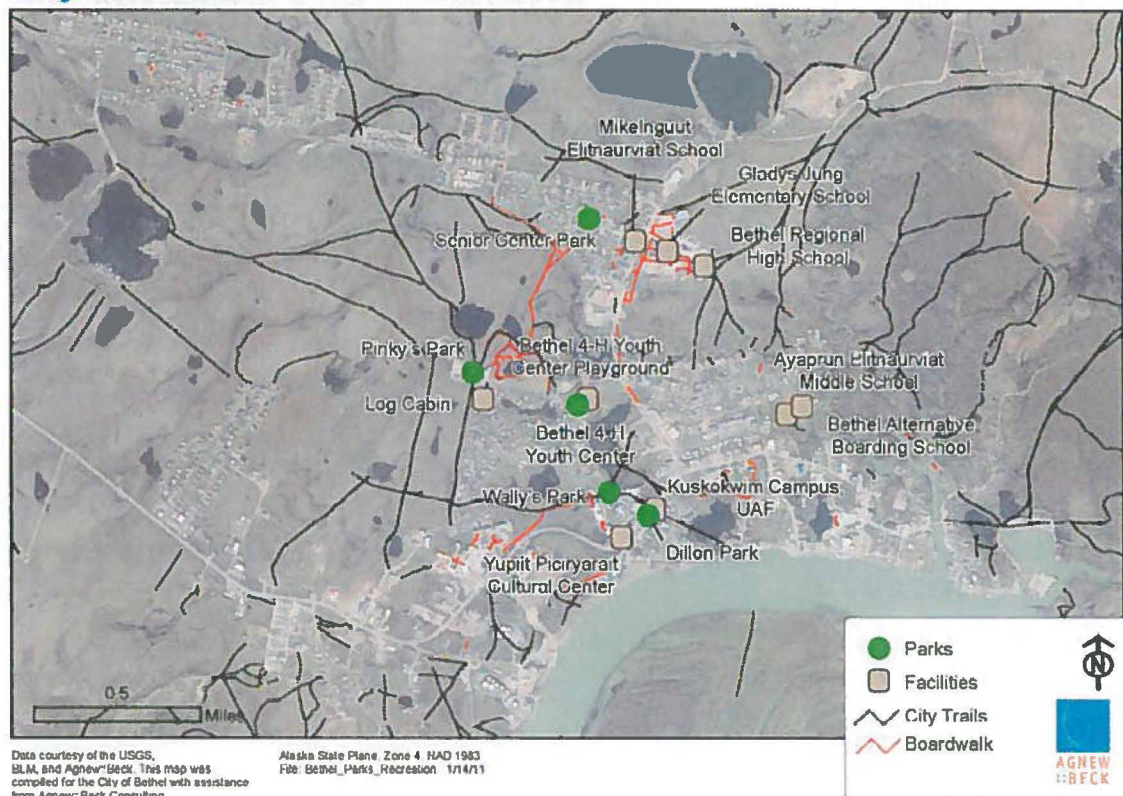
- **Technology:** The Technology Department maintains the City of Bethel's information technology systems. Priorities include improvements to the City's communications technology system.
- **Fire and Emergency Medical Services:** The City of Bethel Fire Department works to protect life and property by providing quick and efficient responses to fires, medical emergencies, hazardous material response and other hazardous situations, as well as increasing public awareness of hazards through fire prevention and public education programs. Priorities include a substation near the airport.
- **Police:** The Bethel Police Department provides police services within Bethel city limits and often works in cooperation with other agencies and the citizens of Bethel to address the greater community's public safety needs and concerns. Priorities include improvements to communications infrastructure (e.g., tower, e-911) and relocating the police department to new quarters.
- **Youth and Adult Recreation:** The Bethel Parks and Recreation Department manages and plans for the City's parks, playgrounds and recreation facilities. The department coordinates activities and programs for the city's diverse population. In addition to the City facilities and spaces available, Bethel has a number of facilities operated in partnership with other agencies and institutions, including the school district and

university, whose spaces are available for limited use. Priorities include capital improvements to existing and future recreation facilities.

- Other parks and recreation infrastructure improvements are detailed in the 2011 Bethel Parks and Recreation Master Plan (updated concurrent with this Comprehensive Plan).

Map 8.3

City of Bethel Parks + Recreation



- Intergovernmental Cooperation: In order to accomplish some of the goals and strategies included in this plan, each chapter reiterates the need for partnerships, cooperation and coordination among the City and other Bethel institutions, such as ONC, the local and regional Native Corporations, the regional school district, housing corporation and health center. To support these efforts, the Public Facilities and Services chapter includes a set of policies for intergovernmental cooperation.

Priority Implementation Actions:

Priority Public Facilities and Services implementation actions include:

- Implement improvements to internal city management processes and procedures (e.g., cross-training, streamlining procedures). (GOAL 1, Objective A, Action 1a, p9-26)
- Work with individual City departments to develop 5-year capital needs and deferred maintenance plans. (GOAL 1, Objective A, Action 2a, p9-26)
- Better enforce City business licensing and sales tax collection. (GOAL 1, Objective A, Action 3e, p9-27)
- Develop a financial plan for service provision: incorporate capital needs and deferred maintenance, rate study, and recommendations for future improvements. Explore the possibility of charging for piped water/sewer on a meter basis, comparable to trucked/hailed service. (GOAL 1, Objective B, Action 1a, p9-27)
- Establish an alternative treatment system to replace the existing sewer lagoon. Identify and secure a site for new wastewater treatment system. (GOAL 1, Objective A, Action 4a, p9-28)
- Consider building additional water/sewer transfer station(s) in key locations, to create a city wide hub and spoke system. GOAL 1, Objective B, Action 4a, p9-28)
- Identify possible site(s) for a new landfill (to eventually replace existing landfill). (GOAL 1, Objective C, Action 1a, p9-28)
- Consider options for compacting waste (e.g., dynamic compaction). (GOAL 1, Objective C, Action 2a, p9-28)
- Develop and implement a business plan for the Bethel recycling center. (GOAL 1, Objective C, Action 3a, p9-29)
- Market/provide accurate, up-to-date information about what waste management, recycling, composting, and resale services, programs and facilities are available in Bethel. (GOAL 1, Objective C, Action 4e, p9-30)
- Secure new facilities for Bethel Police headquarters. (GOAL 1, Objective F, Action 1a, p9-31)
- Upgrade the Bethel 4-H Youth Center. (GOAL 1, Objective G, Action 1a, p9-31)
- Develop a community swimming pool complex. (GOAL 1, Objective G, Action 1b, p9-31)
- Explore the use of shared facilities and the coordination of services provided by ONC. (GOAL 2, Action 4a, p9-32)

7. Energy

Introduction

High energy costs (for electricity, home heating, and for cars, snowmachines, boats and planes) are driving up the cost of living and the cost of doing business in Bethel, for both public and private entities. As the tables below show, Bethel residents have observed dramatic changes in prices in a short time frame.

Bethel Gas Prices 1996-2010¹

1996	\$2/gallon
2005	\$3/gallon
2010	\$6/gallon

Bethel Fuel Oil Prices 2004-2010²

2004	\$1.40/gallon
2010	\$5.00/gallon

Typical household costs for electricity can range from \$200-\$700 per month, and \$800-900 per month for heating.³ These high energy costs impact every aspect of life in Bethel: from the health of the economy and available jobs, to choices people make about where to live, transportation, and in some cases, the ability to afford to stay in Bethel at all. Table 7.1 shows how dramatically energy costs have grown relative to Alaska household incomes.

Table 7.1

Median Share of Income Alaska Households Spend for Home Energy Use (2000, 2008)		
	2000	2008
Alaska Statewide (all households, all incomes)	2.8%	4.7%
Anchorage	5.5%	8.7%
Other Large and Road System Communities	9.2%	17.9%
Remote Rural Communities	15.9%	47.0%

Saylor, Haley, Szymoniak 2008. ISER

One of the highest priorities for Bethel is to find a way to lower or at least to stabilize energy costs. Because of Bethel's location, distant from Alaska's major population centers and off the road system, and due to the area's cold climate and lack of local energy-producing resources, it is unlikely that Bethel will see energy prices lower substantially. More realistic goals will be to stabilize costs, or at least slow the rate at which energy costs grow in future.

Residents are paying higher rates to heat and light their homes, to travel, and for purchased goods. The cost of doing business and governing the community is rising. If energy costs can be controlled, the City's administrative costs will go down, which will help with the City's financial challenges. Bethel residents, institutions and businesses are exploring a wide range of alternatives

¹ Kurt Kuhne, Yuut Elitnaurviat. Personal communication, November 29, 2010.

² Ibid.

³ Chuck Willert, City of Bethel Public Works. Personal communication. April 6, 2011.

to control energy costs. These efforts must continue to target the many different aspects of community life that affect energy use. This means not only the source and cost of fuel and energy production technologies, but also all the factors that affect energy consumption, including land use, transportation choices, building techniques, etc.

Energy Trends

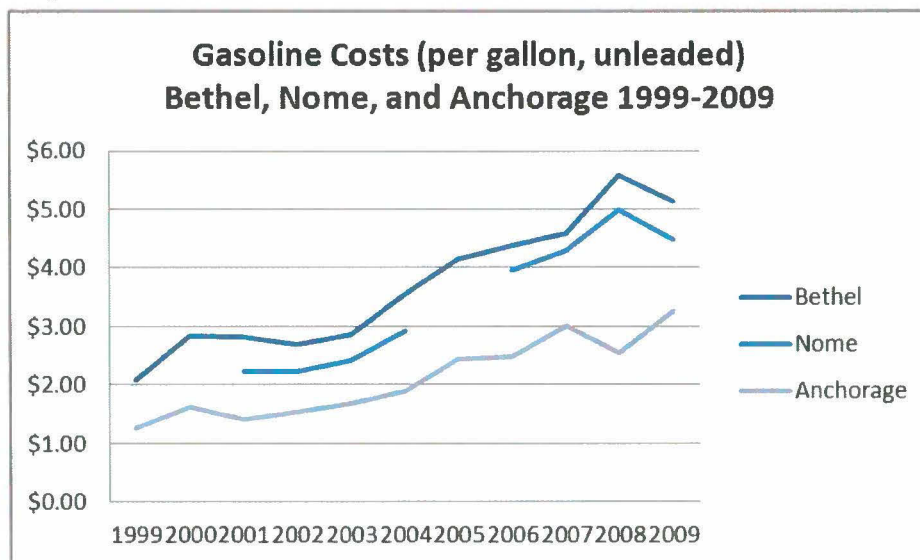
Fuel for Transportation

As Figure 7.2 shows, the general trend for fuel prices in Bethel has mirrored that of other communities in Alaska over the past ten years. These have been trending upward for the most part, though there has been a decline since fuel prices spiked across the state in 2008.

Gas stations in Bethel buy from either Crowley or Delta Western, the two wholesalers that ship fuel to Bethel. Crowley supplies the majority of fuel and owns the fuel tanks at the Bethel Petro Port. The Bethel tank farm has a 17 million gallon capacity, 2 million gallons of which are currently dedicated to Delta Western. About 20 percent of the tank farm fuel goes to villages in the region.

Shipping costs are high: the Kuskokwim is a shallow river, restricting the size of barges that can make it as far upriver as Bethel. These barges can only bring 1.5-2.5 million gallons at a time (barges can deliver three million gallons at a time in Nome). Due to river ice, barge deliveries can only be made during the summer shipping season from June 1 to November 1. During this short window of time, fuel is offloaded in the Port of Bethel around nine days per year.

Figure 7.2



Source: Alaska Food Cost Survey (<http://www.uaf.edu/ces/fcs/>).

Heat

The majority of Bethel's residents heat their homes with some form of heating oil. A small number of homes are heated with either wood or electricity. Non-residential buildings mainly use heating oil; a few purchase waste heat from Bethel's electric utility.

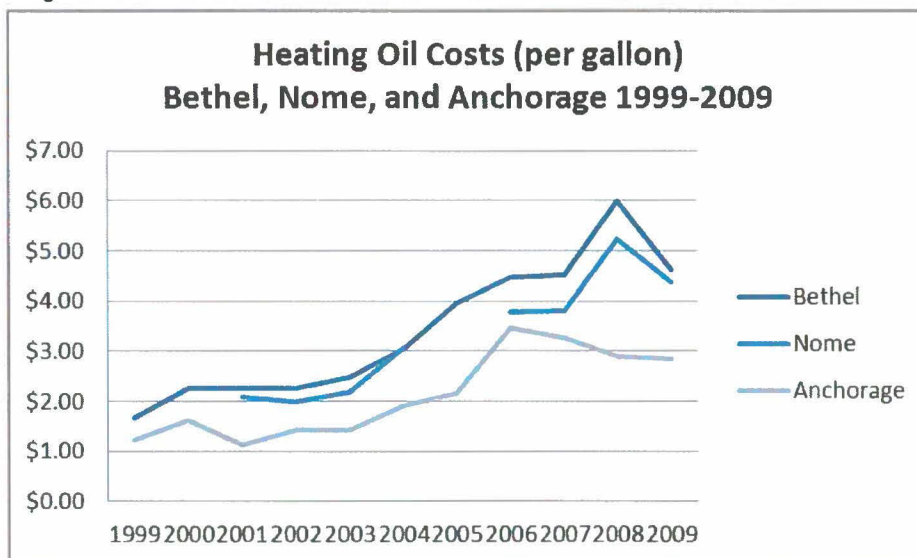
The cost of waste heat has also risen over time. Waste heat requires expensive insulated pipes; they are about 25 years old now and could need to be replaced or improved by the electric utility in the near future. Unless the utility were to receive a grant subsidy, these capital costs would have to be recouped through energy fees.

Table 7.3

City of Bethel, Residential Heating Types	
utility gas, fuel oil, kerosene, etc.	92.5%
wood	3.9%
electricity	3.7%
total units	100.0%

Source: U.S. Census Bureau, 2005-2009 American Community Survey.

Figure 7.4



Source: Alaska Food Cost Survey (<http://www.uaf.edu/ces/fcs/>).

Electricity

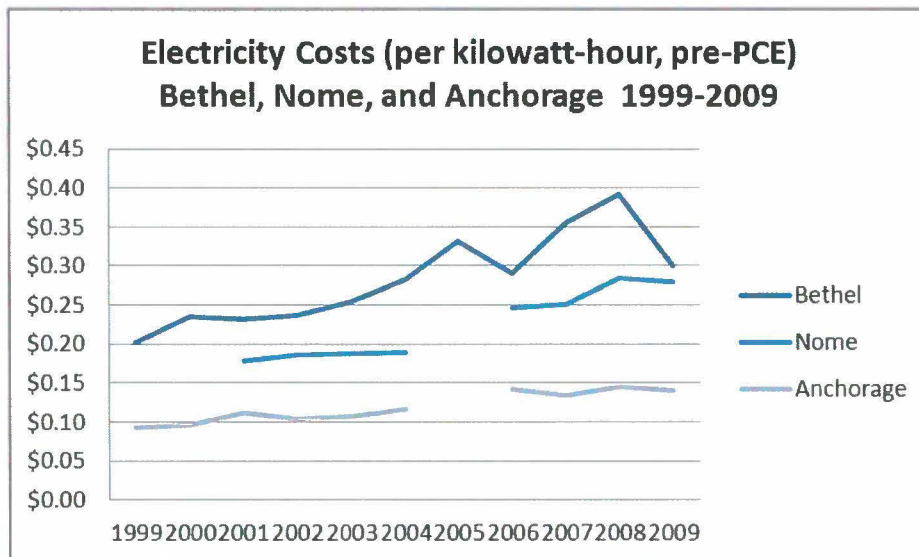
Bethel has a single electric utility, the Bethel Utility Company (BUC, Inc.). BUC is a private, investor-owned utility that was formed in 1972. As a private utility, BUC is regulated by the Regulatory Commission of Alaska (RCA). The current facility has six diesel generators,⁴ two 20,000 gallon diesel storage tanks, and one 64 pound per hour incinerator. Three to four of the generators are run at a given time, with the others as backup. Each generator can produce 2,220 kilowatts (giving the utility a total capacity of 13,600 kilowatts).

Several private property owners in Bethel have erected small wind turbines to meet or supplement their household or business electricity needs. The City has plans to erect four 100-kilowatt wind turbines near the Bethel landfill; these have not yet been erected.

Electricity prices in Bethel are noticeably high, even among other small Alaska hub cities (e.g., Nome). These prices would be significantly higher were it not for the State of Alaska's power cost equalization program, which cuts Bethel electricity costs of residential users (but not businesses) by more than half.

As is the case with gasoline and heating fuel, costs for electricity are taking a steadily growing bite out of the pocketbooks of Bethel residents, businesses and institutions. While some individual households and business owners have the resources to take action individually (for example to purchase and install wind turbines), most do not; community-scale action is needed.

Figure 7.5



Source: Alaska Food Cost Survey (<http://www.uaf.edu/ces/fcs/>). These electricity rates do not include Power Cost Equalization (PCE).

⁴ Three of the generators were installed in 1976, one in 1985, one in 1990 and one in 1992. Page 2, Alaska Department of Environmental Conservation Air Quality Operating Permit for the Bethel Power Plant. Issued 2007, expires 2012. Accessed from the World Wide Web 4/7/2011: <http://www.dec.state.ak.us/air/ap/docs/AQ0205TVP02finpersob.pdf>.

Recent and Ongoing Initiatives

There are a number of initiatives currently underway to address the high cost of energy in Bethel. These efforts are operating at all levels, from individuals, businesses and institutions, to City and Tribal government efforts, to regional cooperative initiatives. Work at all these scales is needed to make progress on energy issues. Some of these actions focus on short term relief to households, businesses and institutions; others aim to investigate and implement long term solutions for viable energy solutions for future generations.

The section below provides an overview of these actions. Before starting that section, it is worth again emphasizing the reality that energy prices globally (and particularly in remote locations like Bethel) are destined to remain high. Consequently, while new energy sources need to be pursued, energy conservation is the single most important means to respond to rising energy costs.

Residents, Businesses and Institutions

As individual households, businesses and institutions, Bethel residents are using new and traditional energy sources (such as wood-burning technology) to heat buildings and generate electricity (e.g., wind turbines). Several homeowners and institutions, such as the Association of Village Council Presidents (AVCP) and the Yukon Kuskokwim Health Corporation (YKHC), are purchasing and erecting wind turbines to supply some of their electricity needs. Some use the net metering approach, as allowed by Alaska state law. These customers are billed for the net monthly consumption of electricity after accounting for the integration of wind. When more wind is generated than used, customers receive a credit for the excess at published rates. For YKHC, energy savings strategies have been more cost effective than wind generation. But windmills are successfully augmenting the electricity needs of these property owners. The turbines used to generate electricity for individual facilities are also proving useful in nearby villages. Yuut Elitnaurviat teaches maintenance and technical skills to install and service wind turbines.

City and Tribal Efforts

The City and Orutsararmiut Native Council (ONC) are working with others in the community to help reduce energy use and energy costs. The Housing Authority partnered with AHFC to train energy auditors, and ONC has funding to help homeowners improve the energy efficiency of their houses. The state has a generous (but relatively complex) program that covers the cost of home energy conservation improvements. Many Bethel homes and businesses are not designed to conserve energy, and much more could be done to reduce both heating oil and electricity use through targeted energy conservation investments.

Bethel, with the encouragement of the current Mayor, is looking at options for natural gas. The City is currently focused on better understanding the costs and infrastructure needed to retrofit Bethel homes, businesses and institutional facilities to use natural gas, and to seek partners to work with the City to develop a liquefied natural gas (LNG) tank farm. Most recently, the City, working with a consulting firm (PDC Harris Group LLC) has completed a grant application to the Alaska Energy Authority (AEA). The purpose of the proposal, "Phase 1 Application for Emerging Energy Technology Grant to Alaska Energy Authority" is to conduct concept design and feasibility level analysis in Bethel to demonstrate the economic feasibility of transporting Liquefied Natural Gas to a remote community, storing the fuel as Compressed Natural Gas in

commercially available pressure vessels on-site, and distributing the gas for use in existing furnaces, boilers and a diesel engine electric generator. It may also be possible to turn tundra marsh grasses into a usable form; this possibility has yet to be explored by the City.

The City has been also been actively exploring the feasibility of larger-scale wind energy. According to a 2006 AEA study, wind resources at or near Bethel, Alaska are categorized as Class 4 (or “good”) for wind power development. Class 4 or greater typically indicates that average wind power density at a height of 30 to 50 meters will produce energy suitable for utility or small-scale wind applications.

In 2006, the City petitioned, and was awarded, a State of Alaska legislative grant to complete a wind energy feasibility study. The completed study (up to 60 percent engineering and design study for wind resources) evaluated wind installations consistent with low, medium, and high penetration scenarios. The study recommended Fuhrlander 600 kW wind turbines and a battery system for the integration of the variable resource.

In 2008, the City petitioned for an AEA grant to install four 100 kW Northwind turbines. The AEA awarded the City two grants totaling nearly \$3 million. The City is required to obtain an interconnection agreement from BUC and Qualifying Facility (QF) rate documentation before the grant money is released. To date, BUC has not shown interest in an interconnection agreement with the City. One of the issues, according to BUC, is that the current equipment at BUC’s generators would need to be updated in order to take output from an intermittent resource like wind. There are technical challenges involved with integrating alternative energy into the Bethel electric grid. In order to use wind turbines for power generation, the power company has to be able to monitor the wind and energy coming in, and at a moment’s notice fire up backup diesel generators when the wind dies down. System upgrades to the generation equipment used by BUC could be needed, including higher-technology equipment and a small generator that would fire up quickly.

Because wind turbines can have potential negative impacts (e.g., noise, damage to property if the blades disconnect, interference with the airport’s air rights), the City Planning Department is looking at developing City guidelines or regulations for locating and maintaining turbines to avoid conflicts among neighbors. The City has looked into other alternative energy sources; studies show that solar is viable in Bethel, but wind power is more financially efficient (providing more “bang for the buck”).⁵

As one way of reducing energy consumption, the City is replacing old streetlights with new LED lights, which are designed to be more energy efficient; Bethel Public Works (with BUC’s help) is monitoring the performance of these lights to see how well they perform in Bethel.

With funding from the State Legislature, the City recently completed an investigation of the potential costs savings that could be realized under three main electric utility ownership structures: private ownership (the existing ownership structure), municipal ownership, and cooperative ownership.⁶ The study also looks at the potential for cost savings that could be achieved by each of the three ownership structures as a result of alternative fuel procurement, integrating wind energy into the Bethel electric grid, and as a result of surplus heat sales (waste heat). Major conclusions of that study are highlighted below:

⁵ Interviews with city staff.

⁶ Agnew::Beck Consulting and EES Consulting (May 2011). Electric Utility Ownership Feasibility Study. Prepared for the City of Bethel.

- While alternatives to the current ownership structure could offer the potential for modest cost savings (about five percent), on balance private ownership of a local electric utility is not the major cause of high electric prices in Bethel.
- Electricity costs in rural Alaska are largely a function of the cost of diesel fuel. BUC fuel procurement practices are between 0.5 percent and 11.6 percent higher than other communities analyzed in this study when an “apples to apples” comparison is conducted.
- The integration of wind could help reduce costs for electricity (by between 1.8 and 5.3 percent) when the utility itself provides the wind resource. One of the findings of the study is that for wind power to lead to cost savings, the facilities are best owned by the utility. When wind generation is held by a third party that requires a return on investment, potential cost savings are significantly reduced.
- The study concludes that the ideal electric utility model for Bethel would be a cooperative that operates its own fuel storage (possibly using a pipeline system), integrates wind, and allows the city to utilize waste heat. This assumes that BUC would be willing to sell to a cooperative and that a locally based cooperative could be formed with the capacity and resources to take over and run the utility.
- Even without a cooperative, the study recommends that the City develop relationships with key agencies, businesses and institutions, including BUC (or its successor), the RCA and the RAPA,⁷ and other organizations to work on energy issues in Bethel.
- The study also supports forming a regional energy cooperative with the ability to address energy needs and issues at the regional level. A cooperative could be formed to make bulk fuel purchases (like the Western Alaska Fuel Buying Group formed by the communities of Nome, Dillingham, Naknek, Unalakleet, Illiamna, and Kotzebue). Another quite successful example of a cooperative is AVEC (the Alaska Village Electric Cooperative), which operates in the Bethel area.
- Overall, the study recommends that the City and community of Bethel look comprehensively at options to reduce energy use and energy costs, particularly emphasizing energy efficiency and conservation programs to help reduce resident, business and City use of electricity. Over the long term, more manageable energy costs will likely come about through a range of modest actions, rather than one or two dramatic changes.

Regional Efforts

The Alaska Energy Authority (AEA) has agreed to invest millions of dollars in alternative energy projects in the Bethel area, though most of this assistance is contingent upon regional coordination of energy planning, generation and transmission.⁸ To meet regional energy needs, Nuvista Light and Power has considered a range of energy alternatives. Nuvista is a non-profit

⁷ The Regulatory Commission of Alaska (RCA) is the State Commission that regulates utilities in Alaska. The Regulatory and Public Affairs (RAPA) Division of the Attorney General advocates for the public interest in matters that come before the RCA.

⁸ p1, Alaska Energy Authority (2011). Alaska Renewable Energy Fund: Round 4 Award Notice App#604 Bethel Renewable Energy Project.

organization that was established in 1995 by Calista Corporation to function as a regional generation and transmission utility and potentially serve the energy needs of the proposed Donlin Creek Mine. The organization currently includes representatives from Calista Corporation, AVCP, AVCP Housing Authority, YKHC, Lower Yukon, Chaninik Wind Group, Alaska Village Electric Cooperative (AVEC), and the Middle Kuskokwim Electric Cooperative, Inc. Though Nuvista is a regional group, Bethel would be the hub and have the largest energy demand; therefore the City has a vested interest in Nuvista's long-term plans and vice versa.

The AEA requires that grant applicants examine all available resources to determine which options are the best. Nuvista's study looked at diesel, geothermal, wind power, hydropower, coal power, and nuclear power. The study determined that hydropower would be the most feasible alternative for energy production. Based on these results, feasibility studies have been done on two hydroelectric projects in the area: Kiseralik River in the Yukon Delta National Wildlife Refuge and Chikuminuk Lake in Wood Tikchik State Wilderness Park. Chikuminuk Lake was found to have the greatest capacity to provide a reliable regional energy supply; it would provide 89.3 gigawatt hours (GWh), enough power to supply 50 percent of the region's population, 13 villages and displace diesel generation year-round.

Nuvista has approached the AEA and the State Legislature for \$17.6 million to complete a detailed feasibility assessment, engineering plans, and preliminary design. If built, the project is estimated to cost about \$451 million⁹ (to put this estimate in context, cost estimates for the Susitna hydroelectric project proposed for Southeast Alaska range from \$3 billion to \$8 billion¹⁰). The initial feasibility study is vague about the exact location of the Chikuminuk project, but it would include transmission lines providing DC power to Bethel, where it would then convert to AC power at a local substation. Regional plants, interties, and wind farms would supplement power needs in individual communities as needed. Nuvista is also exploring natural gas options.

Several more modest energy proposals are currently being pursued, largely by AVEC. Newer, larger power plants are much more energy efficient (by approximately 35 percent, according to AVEC research) than what is possible when each individual community generates its own power. Given this efficiency of scale, AVEC is advocating for construction of electric transmission lines among clusters of villages to distribute power from a system of centralized shared power generation plants. This approach can also reduce fuel shipping costs and reduce the risk of fuel spills. In this same spirit, cost savings can be realized in fuel purchases where multiple communities purchase fuel as a group. AVEC has been very successful with this model in the past.

9 Nuvista Light and Electric Cooperative (2001). Calista Region Alternative Energy Update, PowerPoint presentation. Accessed from the World Wide Web Friday April 1, 2011: www.legis.state.ak.us/basis/get_documents.asp?session=27&docid=2087.

10 Bradner, Tim. "State lawmakers seem favorable forward Susitna dam project." Alaska Journal of Commerce. Web posted Friday, March 11, 2011. Accessed from the World Wide Web Friday April 1, 2011: http://www.alaskajournal.com/stories/031111/loc_slsfts.shtml.

Goals and Strategies

Energy Efficiency: Consumption

GOAL 1: Reduce energy consumption.

Strategy 1: Improve the energy efficiency of residential, commercial and public facilities.

Action 1a: Adopt (state) energy conservation and efficiency standards for all City facilities.

All public facilities must be designed to comply with the thermal and lighting energy standards adopted by the Alaska Department of Transportation and Public Facilities under AS44.42.020(a)(14). The City will follow these standards when making improvements to City of Bethel facilities, and strongly encourages these standards to be followed when other public or non-profit organizations build new or renovate existing civic structures. This action will lead the City to focus on energy-efficiency when making capital replacement choices.

Action 1b: Establish education and support services for local residents and builders so that existing homes can be made more energy efficient, and to support energy efficient design and construction for new homes.

The City should partner with other organizations with experience and responsibility in this area, such as the Alaska Housing Finance Corporation (AHFC), the local electric utility, and Orutsarmiut Native Council (ONC) (ONC currently has funding to subsidize home improvements for energy efficiency) to fund and implement specific educational and support services, such as a program that links people with information on the benefits of conservation investments, technical information on improvement/construction options, guides to funding for energy conservation, and ideally, direct consultation and assistance with accessing those programs.

Strategy 2: Reduce energy used for transportation.

Action 2a: Improve and/or expand public transportation and carpooling programs. (See Transportation Goal 4.)

Action 2b: Improve and/or expand local and regional trails and multi-use roads to better serve non-motorized transportation (e.g., pedestrians, bicycles, mushers, skiers). (See Transportation Goal 3.)

Action 2c: Encourage transportation efficiency, including the use of more fuel-efficient motorized vehicles, hydrogen, public transit, city fleet and other options.

For example, the City could purchase more fuel-efficient fleet vehicles. The City could also explore options for the use of four-wheelers rather than cars. A professor with the Institute for Social and Economic Resources (ISER) has suggested that rural communities switch from gas-powered vehicles to electric four-wheelers, which could be recharged using wind power.¹¹

Policy 2d: Encourage land use patterns and forms of development that require less energy use (i.e., concentrating residential, civic and work places within a walkable radius of land area); discourage new development in outlying areas that would require driving farther. (See Land Use Goal2)

Background

Energy conservation is the most important action the community can undertake to reduce the impact of rising energy costs.

¹¹ Steve Colt, University of Alaska Anchorage, Institute for Social and Economic Research (ISER) presentation to Commonwealth North, May 19, 2011.

Energy Efficiency: Existing Infrastructure

GOAL 2: Improve and/or expand existing energy infrastructure.

Strategy 1: Explore the feasibility of expanding waste heat facilities in Bethel.

In the past, the City of Bethel was able to purchase waste heat generated by the BUC generating plant. This service should be reinstituted. Additional options for the use of waste heat should be investigated, particularly in the relatively concentrated, commercial and civic area in the center of town.

Action 1a: Work with the Bethel electric utility to re-establish waste heat services to the City.

Strategy 2: Support improvements to the generation and transmission efficiency of existing electric utility infrastructure.

New electrical generating facilities can provide significant increases in the output of electricity for a given amount of fuel. Likewise, improvements to Bethel's aging transmission system are (or soon will be) needed; these can help increase the reliability of delivering power to homes and businesses.

No actions associated with this strategy.

Strategy 3: Engage in a cooperative relationship with Bethel's electric utility to coordinate planning for future land development and a range of energy solutions.

Action 3a: Share and update information (e.g., maps of future commercial, residential and/or institutional development, maps of easements and rights-of-way, plans for utility infrastructure expansion) on an annual basis.

Action 3b: Engage in a joint long-range planning effort to ensure that the utility, the City, major electricity users, and other local and regional stakeholders work together to meet community electricity needs.

Work to fully understand the potential opportunities and limitations of each entity to pursue improvements in electricity service provision. Collaborative programs to pursue could include: cooperative education to users regarding energy conservation, use of alternative energy sources, options for reducing fuel costs, and/or coordination with regional energy initiatives.

Strategy 4: Reduce Fuel Costs in Bethel.

Fuel costs make up approximately 85-90 percent of the cost of electricity in Bethel. Changes in the cost of fuel immediately impact the cost of home heating, and the cost of operating cars, boats, planes and snowmobiles.

Action 4a: Explore the feasibility of a City-owned tank farm.

The large majority of Bethel's fuel supplies are stored in a tank farm owned by Crowley, the company that supplies nearly all Bethel's home heating fuel, vehicle fuel and the diesel used to generate electricity. The price paid for fuel in Bethel is higher (by as much as 11 percent) than other western Alaska hub communities. If the City or a local cooperative utility owned the storage facilities, this would create the option to seek competitive bids for fuel.

Action 4b: Explore bulk fuel purchasing options.

Options to explore include joining Alaska Village Electric Cooperative (AVEC), joining the Western Alaska Fuel Buying Coop, or by starting a new, more localized fuel co-op. In addition, ISER and others have suggested that the State should establish a statewide fuel purchasing program.¹²

Strategy 5: Reduce and/or encourage reduction of water use.

For example, the energy used by water deliveries via haul trucks can be reduced through lower water consumption.

No actions associated with this strategy.

¹² Steve Colt, University of Alaska Anchorage, Institute for Social and Economic Research (ISER) presentation to Commonwealth North, May 19, 2011.

New/Alternative Energy Sources

GOAL 3: Develop new, alternative energy sources and innovative methods to reduce the cost of energy.
Strategy 1: Develop new energy sources, such as solar panels, wind turbines, hydroelectric power, and natural gas, as feasible.
Action1a: Develop new City policy to guide the placement and operation of wind turbines to ensure the safety and quiet enjoyment of the community.
Action 1b: Work with the electric utility to understand the capacity of Bethel's electric generation and transmission infrastructure to accommodate alternative energy sources, and also to determine the most appropriate levels of investment in various alternative energy sources.
Action 1c: Reserve land or land development rights for alternative energy development and facilities (e.g., wind turbines, natural gas pipeline rights-of-way). (See <i>Land Use Goal 1.</i>)
Action 1d: Explore the use of innovative financing programs for renewable energy investments (e.g., Property Assessed Clean Energy or Sales Tax Assessed Clean Energy).
Policy 1e: Encourage smaller-scale private sector use of new energy technologies (e.g., wind turbines).
Strategy 2: Engage in cooperative relationships with other entities pursuing new or improved energy infrastructure in Bethel and the Yukon-Kuskokwim region.
Action 2a: Coordinate with regional partners, at a minimum to keep City and regional partners informed of each other's energy-related policies and projects. As practicable, coordinate local and regional policies and projects, including (but not limited to) options for hydro and natural gas prospects, regional wind farms, and inter-village transmission lines connecting centralized power plants.

Background

A number of different alternative energy sources are being explored or used, both locally in Bethel and around the region. By pursuing the policies and actions under Goal 3, the City can speed the day when alternatives are able to provide a longer-term, commercially viable alternative to reliance on diesel fuel.

8. Public Facilities and Services

Introduction

The City of Bethel provides a number of important services and facilities to the Bethel community, which contributes to Bethel's status as a regional hub. This chapter outlines actions needed to maintain and improve upon Bethel's existing level and quality of public service provision, and addresses several of the City's nine departments: Administration, Finance, Public Works, Technology, Fire and Emergency Services, Police, and Parks and Recreation. The Bethel Port and Harbor are included in the Transportation chapter, and guidance for the Planning Department is included in the Economic Development and Planning chapter.

Goals and Strategies

Essential Facilities and Services

GOAL 1: Provide and improve essential public facilities and city services. Respond to current needs and plan for future demand. Link the extension of public facilities to land use development to ensure that growth occurs in a logical, planned and cost-effective manner.

Strategy 1: Maintain, regularly update, and distribute information about City services and facilities.

Action 1a: Regularly update the City website as a guide to City services and facilities.

Action 1b: Report successes (e.g., maintaining a balanced budget for two years running) to the Bethel community at large, for example, via press releases to Bethel media.

Administration and Finance

Objective A: Administration and Finance. Provide adequate administration services and associated facilities to meet current and anticipated future administration demands on the City of Bethel.

Strategy 1: Improve customer service with the aim of becoming a more service-oriented department, operating at a higher level of efficiency and accountability.

Action 1a: Implement improvements to internal processes and procedures.

Finance Department staff members identified several internal needs, including:

- *Streamline finance procedures.*
- *Develop and produce a departmental policy and procedures manual.*
- *Provide staff training and cross-training.*
- *Work closely with other City departments to train and assist them in tracking, managing, and reporting on their budgets.*

Action 1b: Make a comprehensive, up-to-date City fee schedule available at City Hall and on the City website.

Strategy 2: Encourage more forward-thinking budgeting. <i>The City will always be challenged to balance spending on new projects with the operations, maintenance and capital replacement costs for its existing facilities and services. Planning ahead for the future expenses of existing facilities and services helps City departments and City Council prioritize and make informed decisions about which new projects to take on and how to fit them into existing activities.</i>
Action 2a: Work with individual City departments to develop 5-year capital needs and deferred maintenance plans.
Action 2b: Set priorities for the improved provision of public services and facilities. <i>Use the City's capital improvement program and budget process to set priorities for the cost-effective provision of City services.</i>
Action 2c: Establish a formal capital improvement program (CIP). <i>This could be established incrementally, starting with a list of future capital needs (e.g., over the next five years) for each department, which is updated and submitted annually to the City Manager, and then to City Council for review.</i> • <i>Establish a yearly schedule whereby City Departments identify, describe, and estimate costs for capital improvement needs for a three-to-five year cycle.</i> • <i>Publish the Capital Improvement Program for public review prior to City Council adoption.</i> • <i>Ensure that the City budgeting cycle is coordinated with the state capital budgeting cycle.</i>
Action 2d: Increase City reserves to help pay for large capital needs and emergency expenses.
Strategy 3: Optimize existing and potential revenue sources. <i>City revenues come primarily through a mix of taxes, fees, grants and debt, some of which are dedicated for particular expenditures and some of which make up the City's General Fund. To make the best use of existing revenue sources, the City is currently updating portions of its fee schedule. Some City departments have indicated that although existing fees do not cover the costs of service provision, customers would be unable (or unwilling) to pay increased rates because fees for some public services (such as water and sewer) are already so high that any increases would be considered prohibitive. The City has also reported some difficulty enforcing business license regulations and tax reporting among local businesses. Without support from the State, the City has no way to shut down noncompliant businesses. To address this issue, the Finance Department aims to work more in partnership with businesses to encourage and facilitate sales tax reporting. The Bethel Finance Committee is exploring ways to augment and diversify the City's existing revenue sources.</i>
Action 3a: Conduct a comprehensive study of municipal finances to determine the most efficient and effective fiscal structure.
Action 3b: Conduct a financial analysis/rate study to determine the appropriate rates and financing structure for the City's enterprise funds.
Action 3c: Explore potential funding mechanisms, e.g., grant programs, donations/set asides (for key projects like the BATHC), property and other taxes not currently used.
Action 3d: Periodically (e.g., every 1-5 years) update the City fee schedule.
Action 3e: Enforce City business licensing and sales tax collection.
Strategy 4: Leverage the power of partnerships. <i>The City has expressed and demonstrated a willingness to work more closely with other public and private entities to leverage the power of partnerships to achieve common goals. One example is the City's partnership with the University of Alaska Fairbanks Cooperative Extension to provide a community garden for all Bethel residents to use. These cooperative arrangements tend to make grant applications more competitive; in some cases, they may even mandated by funding agencies.</i>
<i>See Public Facilities and Services Goal 2.</i>

Background

Administrative services for the City of Bethel are provided by the City Manager, City Clerk, Grants Manager and Finance Department. The City Manager serves as the chief executive officer of the City and directs day-to-day operations through the departments of Administration, Finance, Public Works, Police, Port, Fire, Senior Services and Parks and Recreation. Bethel's Administration Office provides general information to the public and directs inquiries to appropriate city personnel. Administration also serves as the city employment and Human Resources Office. The City Manager's office also oversees City leases and contracts; the City contracts with a private practice attorney for legal counsel.

Appointed by City Council, the city clerk maintains and manages City records, conducts municipal elections, and serves as the notary public. The Clerk maintains original ordinances and resolutions, researches and writes ordinances and resolutions under the guidance of the City Attorney, and carries out ordinance codification. As staff to the Bethel City Council, the City Clerk researches and provides information to Council, processes Council requests and actions, and acts as parliamentary advisor to Council. The City Clerk is the City's public relations liaison and interfaces with federal, state and local government representatives and agencies.

The finance department prepares and administers the annual City budget in cooperation with the city manager, administers City financial accounts, processes the receipt and payment of City funds, and administers City business licenses, taxes, fees, and certain grants. The finance department also maintains the City's financial records, prepares financial reports as needed, and advises the City Manager and Council on City financial matters. The Grants Manager obtains grant funding for various City capital and operating needs.

City of Bethel general fund revenue sources include a bed tax, sales tax, alcohol use tax, gaming fees, and payment in lieu of taxes. General funds are used to pay for general city department expenses (e.g., staff salaries, building operating costs). The City of Bethel sales tax is currently six percent, one-half percent of which is dedicated to the construction of the future BATH center. Seniors are exempt from sales tax. Unlike the large majority of Alaskan cities of Bethel's size (exceptions are Wasilla and Barrow), Bethel does not levy a property tax. This is due to the extensive mix of Native allotments (nontaxable land) and privately owned (taxable land) parcels within city boundaries. City departments charge user fees for certain City services and facilities, such as water and sewer service, solid waste services and port facilities. Certain City services are (such as water and sewer) are set up as enterprise funds, whereby the enterprise fund provides goods or services for a fee that (in theory) makes it self-supporting.

Water and Sewer

Objective B: Water and Sewer. Provide adequate infrastructure and facilities and services to meet current and anticipated future demands for water and sewer services in the City of Bethel.

City policy regarding water and sewer system remains undecided, although a mixed piped and trucked system is likely to remain for some time. Options include: 1) the entire city is on a piped system, 2) the entire city is on a trucked/hailed system, 3) continue to operate a mixed system in which property owners may receive either piped or trucked/hailed water and wastewater services.

Depending on the type of system pursued, the City aims to extend water and sewer services to unserved/underserved parts of town. Other priorities for expansion include: an additional transfer station to decrease the number of miles driven by haul trucks (would decrease cost of service provision), system expansions where mandated by law, replacement or expansion where there is stress on existing pipes, replacement or expansion to comply with regulations so that different entities can use the main sewer pipe.

Strategy 1: Provide water and sewer services at rates that are affordable to residents, while still being able to cover the costs of service provision.

Action 1a: Develop a financial plan for service provision: incorporate capital needs and deferred maintenance, rate study, and recommendations for future improvements. Explore the possibility of charging for piped water/sewer on a meter basis, comparable to trucked/hailed service.

The Public Works Department has begun by working with the Planning Department to make an inventory of capital replacement needs. Improvements in the City's finance department policies and procedures will also help to this end. With a plan in place, the City can more easily and effectively determine priorities for the use of its funds, as well as pursue grant funding or other revenue sources to pay for public improvements.

A rate study would assist in determining how and when water and sewer rates could best be modified to avoid sudden rate hikes and possibly even reduce rates. The rate study should be done in conjunction with an overall financial and capital replacement plan for water and sewer service provision.

Action 1b: Upgrade water treatment plants so that one licensed operator (with an additional backup person) can monitor multiple water treatment plants from a single location.

Policy 1c: Keep overhead costs to a minimum.

The Public Works Department estimates that its overhead costs might be significantly reduced by taking measures to make city operations more energy efficient, particularly by reducing the amount of diesel fuel expended (e.g., by building water transfer stations in key locations to reduce the number of miles driven by water and sewer trucks) and by reducing electricity consumption throughout the City.

Policy 1d: Tie expansion of service provision to land use/development policy.

The 1996 Comprehensive Plan recommends that the City adopt the 1996 Sewer and Water Master Plan service area designations (at the gross level) as the service limits for sequential development of vacant lands. By limiting geographic expansion of the service area, the City can contain per capita costs. For a piped system, a smaller service area requires less pipe, and for a trucked/hailed system, a smaller service area means the trucks have shorter distances to travel and will therefore use less fuel.

In most cities where city water and sewer services are mandated, developers dedicate public easements and are responsible for installing pipes, pumps and other infrastructure during the initial development process. As an example, Figure 8.2 shows three methods used by the Anchorage Water and Wastewater Utility to extend public water and sewer services. The City aims to work with developers and landowners to enforce its subdivision regulations and to update subdivision regulations as needed to ensure quality service provision.

Strategy 2: Maintain and improve the efficiency of the piped system.

Action 2a: Replace aging infrastructure (e.g., Bethel Heights piped water distribution upgrades, City Complex manholes). <i>Grant funding will likely be sought to pay for this major capital improvement. The original steel pipes are reaching the end of their usable lifespan and will need to be replaced. The City is replacing these with HDPE pipes (high-density polyethylene, a type of plastic), which should eliminate water discoloration caused by iron leaching from the deteriorating steel pipes. Some residents have suggested that water and sewer pipes be located underground, as they are in many US cities. Bethel has not built pipes underground due to the added cost of doing so in permafrost soils, but expenses aside, there is no reason the piped system could not be buried underground.</i>
Action 2b: Conduct a cost analysis and rate study for the 2010 Institutional Corridor Feasibility Study, and complete the institutional corridor piped water improvements.
Strategy 3: Maintain and improve the efficiency of the <u>trucked/hailed</u> system. <i>Bethel is already very efficient at hauled water/sewer. According to the 2005 Bethel Water & Sewer Facilities Master Plan Update,¹ it takes six days to serve all customers on Bethel's 25 miles of roads, and about ten minutes are spent servicing one residence or facility. This level of efficiency is the same year-round.</i>
Action 3a: Consider building additional water/sewer transfer station(s)² in key locations (hub and spoke system). <i>Additional transfer stations in key locations would decrease the distances the haul trucks would have to travel lowering fuel consumption (and therefore, lowering transportation costs). Additional stations could also allow Public Works to increase the frequency of service. The hub and spoke system can be designed to hook into piped system at a later date.</i>
Action 3b: Secure additional storage for haul trucks, as needed.
Policy 3c: Keep roads graded and trucks well maintained. <i>Better ongoing maintenance has already resulted in fewer truck breakdowns and lower maintenance costs.</i>
Strategy 4: Pursue wastewater treatment alternatives.
Action 4a: Establish an alternative treatment system to replace existing lagoon. Identify and secure a site for new wastewater treatment system. <i>Bethel's sewage lagoon consists of two non-aerated cells which are pumped twice each year. The lagoon is filling up twice as fast as anticipated, mainly because rain and snow are seeping through the permafrost and into the lagoon.³ The lagoon meets current federal water quality requirements⁴ only because the high volume of water seeping into the lagoon through the permafrost dilutes the wastewater. It is not large enough to treat the amount of organic waste accumulating in the lagoon,⁵ and the Environmental Protection Agency (EPA) will likely require the City to bring the lagoon into compliance. This will involve cleaning out the lagoon and finding an alternative treatment system. The 2005 Water & Sewer Master Plan Update recommends decommissioning the lagoon and building a wastewater facility that would cost nearly \$20 million.⁶ The City has expressed an interest in pursuing a less expensive biotreatment option.</i> <i>The City is currently discussing alternative potential sites for the new treatment facility: one is located on City land adjacent to the existing lagoon; the other two sites are currently Native allotments (one east of where the lagoon currently discharges, the other farther north). The City will most likely use its own land because the process for negotiating for other properties is lengthy and expensive.</i>

¹ Page 32, CRW Engineering Group, LLC, Bethel Water & Sewer Facilities Master Plan Update, April 2005

² Not to be confused with water treatment plants, treated water would be piped to these satellite stations and then held for transfer elsewhere.

³ The piped water system does somewhat increase the amount of wastewater entering the lagoon (customers receiving hauled water tend to use it more conservatively than those on the piped system), but this only accounts for a small amount of the excess wastewater volume in the lagoon.

⁴ Under the Clean Water Act, the US Environmental Protection Agency (EPA) controls water pollution by issuing pollution permits under a program called the National Pollutant Discharge Elimination System (NPDES). Municipal wastewater facilities (such as Bethel's wastewater lagoon) are allowed to discharge at a certain level of water pollution regulated by the program.

⁵ p39. CRW Engineering Group, LLC (April 2005). Bethel Water & Sewer Facilities Master Plan Update.

Action 4b: Maintain and distribute a list of illegal substances to dump into the wastewater system.

Action 4c: To the extent allowed by Alaska State and US Federal law, revise Bethel Municipal Code to allow the use of alternative residential wastewater treatment systems (e.g., composting toilets, graywater systems, adapted boat toilet technology).

Background

The Bethel Public Works Department provides water and sewer services, and owns and operates the associated infrastructure, including water wells, pipes, trucks, two water treatment plants/truck fill facilities,⁷ five sewer lift stations and a sewage lagoon to treat and disperse wastewater. Most of Bethel's property owners receive City water and wastewater services. Some neighborhoods and property owners are served by a piped water and sewer system; others pay for trucked water and sewer. Households not paying for city water draw water from private wells. Without sewer services, people have traditionally used honeybuckets (septic systems do not work in local soil conditions). Bethel Municipal Code (BMC 13.08.025) prohibits the use of honeybuckets and requires all properties to be served by City sewer service.

For reasons of public health and safety, the City aims to eliminate the need for honeybuckets by providing all residents with water and sewer services, but these services can be prohibitively expensive for some residents. City water and wastewater rates vary, depending on whether customers are on the piped system (metered or non-metered) or the hauled system (volume and frequency of service). Assuming that an average Bethel household uses about 500 gallons of water (and generates about 500 gallons of wastewater) per month, rates for water and sewer services could be anywhere from \$110-160/month for piped water and \$50-800/month for trucked water and sewer service.⁸ Individual customers on the piped system must also pay for the energy costs associated with keeping the pipes serving their property from freezing (circulation pumps).

Converting the existing truck-haul water and sewer system to a piped system has been an ongoing recommendation in previous planning efforts for Bethel's water and sewer provision. It was established in the 1996 Sewer and Water Master Plan, and later confirmed in the 2005 Bethel Water and Sewer Facilities Master Plan Update. The 2005 plan was intended to allow flexibility in decision-making, with the understanding that segments of the community have been satisfied with truck-haul system, and/or a piped system may not be feasible in all areas.

The debate of whether a hauled or piped water/sewer system is preferable has yet to be resolved. Piped systems tend to be less expensive to maintain than trucked systems and cause less wear and tear on Bethel's gravel road system. As long as the capital costs of pipes and associated treatment facilities can be paid for with grant funds, the piped system is also less expensive for the City to construct, but when the pipes need to be replaced, they prove to be more expensive than purchasing a new haul truck, for example. The hauled system has higher operating costs (people must be employed to operate the trucks), but capital replacement is less expensive. The City is experiencing some problems with the piped system, including water

⁶ Ibid. Appendix M, p1.

⁷ Two water treatment facilities are in operation: the Bethel Heights Water Treatment Plant (BHWTP) and the City Subdivision Water Treatment Plant. A third water treatment facility, the City Center Water Treatment Plant was decommissioned and replaced by the City Subdivision plant.

⁸ Assumes water and sewer rates as given in BMC Chapter 13.16 UTILITY RATES (accessed from the City of Bethel Website, May 2011) applied to a unit household usage of 500 gallons/month water and sewer services. Actual rates of service use may vary considerably, depending on household.

discoloration from old pipes that need to be replaced, occasional unwillingness of customers to pay the electricity costs associated with keeping circulation pumps going (to keep pipes from freezing in winter), and conflicts with traditional trail routes (pipes are located above-ground for cost savings and ease of maintenance). Property owners receiving piped water service (or living within 1,000 feet of a fire hydrant connected to the piped system) enjoy lower insurance rates, but also tend to use more water than customers receiving hauled water. Residents have also complained that the above-ground pipes are ugly (“Nobody wants them in their yards.”) and inconveniently block some trails.

Though high, rates for water and sewer services have not always kept up with the costs of providing these services. During public planning discussions, residents expressed equity concerns about the division of customers paying by volume (piped metered and hauled) versus those on the piped system (un-metered), and suggested that all customers on the piped system be metered and charged by volume of water used. As one resident pointed out, “We have people going to a relative’s house to do laundry because they’re on the piped system, so it doesn’t matter how much water they use. That isn’t right.” To address these concerns, a priority for the City should be to conduct a rate study to determine the most equitable and fiscally responsible rate structure, and to provide a clear explanation of these results with the general public.

Priority Projects Underway

1. **Sewer force main and service lift station upgrades.** Force main upgrades along Chief Eddie Hoffman Highway, at City Subdivision, and the utility corridor from 7th Avenue to the sewer lagoon, and upgrades to lift stations QFC #2, the Trailer Court, and QFC Store. Paid for with USDA Rural Development funding. This project is nearly complete. Contractor: CH2MHill.
2. **City Complex manholes.** Some of the manholes near the Courthouse are sinking and tearing apart the piping connected to them. Public Works will pull them above ground. Estimated to cost about \$275,000, this project is scheduled for this coming summer and will be paid for with City funds.
3. **Bethel Heights piped water distribution upgrades.** Pipes for A, B, and C loop will have to be replaced to address the high iron content in the water. Estimated to cost over \$2 million. This project is on hold until funding is secured.
4. **Wastewater lagoon.** The lagoon is the Public Works Department’s highest future priority; USDA Rural Development has refused to fund any other Bethel projects until completed. The project is currently in the planning stage, and will probably take two to three years to construct due to Bethel’s short construction window (4-5 months). The project is estimated to cost about \$20 million. Contractor: Larsen Engineering.
5. **Bethel Institutional Corridor piped water distribution upgrades.** The Bethel Institutional Corridor Water System Phases 1 and 2 is the second highest priority after the Bethel wastewater lagoon. A feasibility study for piped water was recently done for the Bethel Institutional Corridor, in the City Subdivision area serving multiple institutions along the Chief Eddie Hoffman Highway (Contractor: Larsen Engineering). A full cost analysis and rate study will be needed before further action is taken on this project.

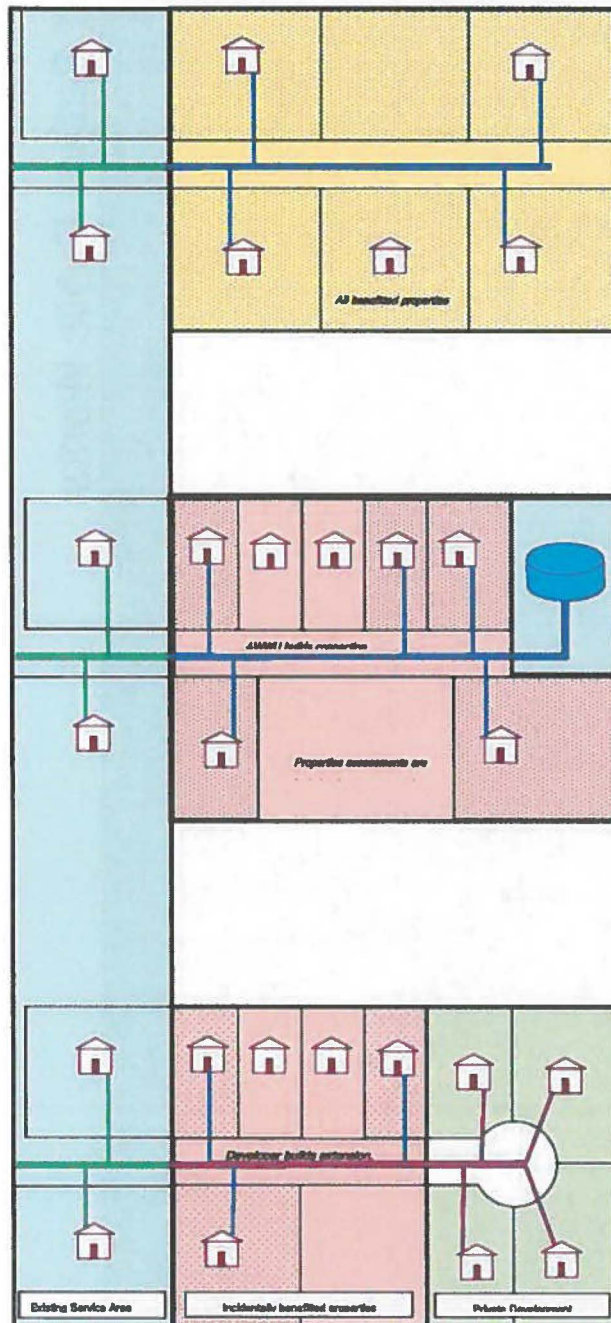
Map 8.1

City of Bethel *Public Works*



Figure 8.2

Three Programs for Extending Municipal Water and Sewer Service in Anchorage



Special Assessment Improvement District. Property owners petition AWWU to provide service and vote to assume the costs of construction. AWWU administers balloting, design, and construction. The cost is recovered by special assessment assigned to each parcel in the district (shaded lots). Connection is not required, but all properties are assessed if the ballot passes, regardless of whether an individual connection is made.

Utility Capital Improvements AWWU extends a pipe to address a service requirement for existing customers (for example, a reservoir site). Homes along the route are incidentally benefitted by the construction, and are notified of the availability and estimated cost of hookup. Properties are assessed a Levy-Upon-Connection (LUC) only when the property owner chooses to connect (shaded lots).

Mainline Extension Agreement (Private Development) A land developer establishes an agreement with AWWU to extend underground utilities. Homes along the route of the extension are incidentally benefitted and are notified of the availability and estimated cost. Property owners choosing to connect within three years of the completion of construction pay an assessment to reimburse a portion of the developer's project cost. After three years, the property owners can connect to the system without the special assessment charge.

Solid Waste

Objective C: Solid Waste. Provide adequate facilities to meet current and anticipated future demands for solid waste disposal in the City of Bethel.
Strategy 1: Improve existing solid waste services and facilities.
Action 1a: Identify possible site(s) for a new landfill (to eventually replace existing landfill).
Action 1b: Consider privatizing/contracting out waste collection and/or recycling.
Action 1c: Improve the function and appearance of existing dumpsters, by for example, screening them with fencing, relocating or providing additional dumpsters as needed, working with businesses to find alternatives for commercial use of residential dumpsters, etc. Provide additional dumpsters in neighborhoods, as needed.
Action 1d: Fix the road to the landfill.
Strategy 2: Reduce the volume of waste in the existing landfill.
Action 2a: Consider options for compacting waste (e.g., dynamic compaction). <i>These might include: using dynamic compaction to pound waste into the landfill, using a large baler to compact waste before it goes into the landfill, using a car crusher to compact auto waste, or burning waste (using a burn box or incinerator). The 2002 Bethel Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan Update recommends that the City purchase a sheep's foot compactor.</i>
Action 2b: Remove visible and/or easily-retrieved scrap metal for recycling.
Action 2c: Consider burning (burnable, non-toxic) refuse, using a burn box, incinerator or some other method.
Strategy 3: Develop and maintain a comprehensive recycling program.
Action 3a: Develop and implement a business plan for the Bethel recycling center.
Action 3b: Develop partnerships (e.g. with barge companies, school, Yuut Elitnaurviat) to leverage cost savings and possibly run the center as an education and workforce development program.
Action 3c: Promote waste to wealth industries to make useful products from recycled materials.
Action 3d: Coordinate with Yukon-Kuskokwim Delta villages and other communities in Southwest Alaska to serve as a regional recycling and transfer facility. <i>Though the region's small population centers and high shipping costs make recycling and backhauling economically unfeasible for many individual communities, regional coordination could allow enough cost savings to at least break even.</i>
Action 3e: Complete facility upgrades to the Bethel recycling center and Public Works building. <i>Needed improvements will allow the public works department to provide a higher quality of service.</i>
Action 3f: Purchase a shredder so that recyclable waste can be converted to a form acceptable to recycling companies.
Strategy 4: Divert as much waste from entering the landfill as possible.
Action 4a: Set a series of municipal targets for diverting waste stream through recycling, composting, and other means of waste diversion over the next several years (e.g., achieve a diversion rate from disposal of 40 percent by 2012, 50 percent by 2014, 60 percent by 2016, 70 percent by 2018, and 75 percent by 2020). <i>Track and report on indicators of improvements in waste diversion (e.g., percentage of businesses in compliance with commercial recycling program, percentage of residential users recycling, rates of recycled versus non-recycled waste collected at collection centers, or similar measures).</i>
Action 4b: Explore the feasibility of a program that requires source separated organic waste collection and processing.

Action 4c: Use a portion of the City's waste stream (e.g., food waste, brush cuttings) for composting, and work with other local groups to make it available for use by community gardens and local farms.
Action 4d: Encourage composting, mulching and other onsite methods of yard waste disposal to reduce the amount of yard waste collected and transported to the landfill.
Action 4e: Market/provide accurate, up-to-date information about what waste management, recycling, composting, and resale services, programs and facilities are available in Bethel. <i>This could be done on the City website, with paper flyers, etc. For example, Anchorage Solid Waste Services produces a household guide to waste management options. Paper copies are distributed throughout town, and an electronic version is available on the Muni website.⁹ Another idea that came up in public workshop is to start a Bethel "Craigslist" or similar service to advertise items for resale.</i>
Action 4f: Designate an area at the landfill or recycling center where people can leave and/or take usable items.
Action 4g: Consider establishing a junkyard for used vehicles and parts.
Action 4h: Consider city bulk-buy programs for items such as composting bins or energy efficient light bulbs.
Action 4i: Enforce BMC Chapter 8.12 regulating plastic bags and polystyrene containers. Consider stronger regulation of plastic bottles and bags (e.g., ban outright, nickel deposit program).
Strategy 5: Reduce the amount of litter and illegal dumping throughout Bethel.
Action 5a: Invite US Army to assist with a massive city-wide cleanup.
Action 5b: Organize community clean-ups and/or a beautification contest for residential neighborhoods.

Background

The Bethel Public Works Department is responsible for operations, maintenance, construction and planning oversight for the City's solid waste facilities, and cleanup and trash collection for City property. The City owns dumpsters, a haul truck, a municipal landfill for solid waste and a recycling center.

The City owns and maintains about 183 public dumpsters throughout Bethel and a garbage truck for trash collection. Residential customers are charged a flat fee that is updated periodically.¹⁰ Commercial customers are charged \$59 each time a four-cubic-yard container is emptied, and \$74 each time an eight-cubic-yard container is emptied. Additional charges apply to on-call service. For customers hauling their own waste to the landfill, customers can drop off up to four cubic yards per day for free and pay \$10/cubic yard after that.

The Bethel landfill was built in 1991 and designed to last about 25 years. Bethel Public Works estimates that the landfill will last another 30 years before reaching capacity if current rates of landfill remain as they are today, and if the City continues an aggressive policy of compacting the refuse as it accumulates at the landfill.¹¹ The 2002 Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan estimates anywhere from 2012-2037 for the landfill life, depending on how aggressive the City is about recycling, baling, using compaction and/or incineration. With incineration, the landfill life is estimated to last until 2037; the study predicts that all other methods would stretch the life of the landfill only to the next four years (2012-2016).¹²

⁹ <http://www.muni.org/Departments/SWS/Documents/A%20to%20Z%20Guide%20Fall%202010.pdf>

¹⁰ Solid Waste rates are given in BMC Chapter 13.16 UTILITY RATES (accessed from the City of Bethel Website, May 2011).

¹¹ Personal Communication; Willert

¹² p6-39, CH2MHill, 2002. City of Bethel Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan Update.

According to that study, the life of the landfill could also be extended until the year 2030 if it is allowed to be filled to a very steep contour (5:1 slope), although the steeper and higher the landfill cover, the more noticeable it will be. When the landfill does need to be expanded or relocated, the City will probably use the adjacent lagoon cell when filled. By keeping the landfill and lagoon in the same general area, the City protects the property values and ability to develop other parts of town, since people generally do not choose to live or develop commercial uses near waste facilities. The 2002 Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan offers criteria for choosing a new landfill site based on State regulations (18 AAC 60.300) and community goals.¹³ Once closed, the landfill will be required to be monitored, an additional cost for the City.



Because of the expenses involved, Bethel has a compelling incentive to extend the life of the landfill as long as possible. There are two general strategies for doing this:

Minimize the volume of the existing landfill. The Public Works rule of thumb is that lowering the level of the landfill one inch lengthens the life of the landfill by about a year. One of the Bethel Waste Management Plan recommendations is to use dynamic compaction (pounding refuse into the ground with a large cement block), which would cost about \$250,000 and extend the life of the landfill by an estimated 13.5 years.¹⁴ The City could also remove visible and/or easily-retrieved scrap metal for recycling (the landfill currently takes in a fairly significant amount of scrap steel, e.g., old vehicles, cranes, tanks). Burning refuse is another option to consider. A burn box could be purchased and used on burnable waste, although the City would bear the personnel costs to separate trash and tend the burn box. An incinerator could also generate waste heat, but would be expensive to construct, would require extensive permitting and periodic air quality testing, and it is unclear whether it is located too far from town to effectively provide waste heat to the community. The 2002 Bethel Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan Update estimates that a mass burn refuse incinerator would cost at least \$5million, and that this would greatly exceed the value of landfill space saved at the Bethel Landfill.¹⁵

Divert as much waste from entering the landfill as possible. Wood pallets and lumber are set aside at the landfill for people to take for steams or woodburning stoves. Recycling cars for parts is allowed, although a junkyard could be established expressly for this purpose. When it was open, the Bethel Recycling Center accepted recyclable metals (aluminum cans, scrap aluminum, copper, and stainless steel), paper (newspapers and office paper), and plastics #1 and #2. Although glass has not been accepted for recycling, the City could purchase a grinder capable of grinding glass to be reused for paving roads and parking lots (although the City would also have to purchase paving equipment). Currently nearly 40 percent of the material going into

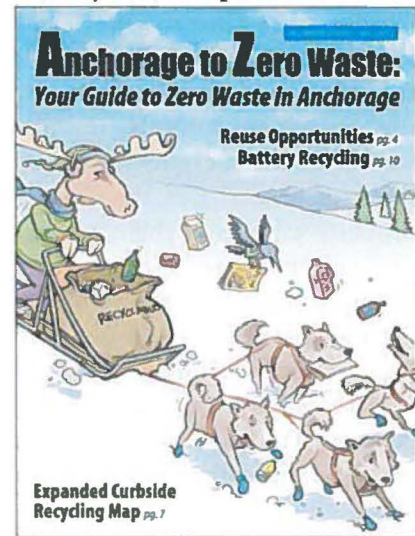
¹³ P6-15, CH2MHill, 2002. City of Bethel Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan Update.

¹⁴ P6-39 and Appendix B, CH2MHill, 2002. City of Bethel Solid Waste and Sewage Lagoon Facilities Design Study/Master Plan Update.

¹⁵ P6-32, Ibid.

the Bethel landfill is paper and cardboard, which could be reused, recycled, composted or burned. Computer equipment and hazardous materials can now be recycled through Total Reclaim.¹⁶

In addition to the recycling facility, the City owns a skid steer, bailer, cargo containers and other recycling equipment. The City has grant funding to support the recycling center, but it is not currently in operation, due to challenges with lack of staff to operate the facility, lack of additional equipment (e.g., shredder¹⁷), and the high cost of shipping the recyclable goods to markets outside the region. The City can work with barge companies to coordinate a backhaul services, up to six containers per year. There is only one barge in Alaska suited for hauling trash (it has a concrete bottom to prevent leaks), which would be needed to transport materials for recycling to Seattle. Recycling is a regional issue, and the Bethel facility represents an opportunity to provide a regional service if the City can coordinate with surrounding villages. The recycling center could also be operated as an education and workforce development program in partnership with local educational institutions. No matter how it is run, taking steps to re-establish or expand recycling program(s) in Bethel is a high priority for the community.



Other waste management challenges facing the City include addressing illegal dumping and managing hazardous materials (hazmat) to protect subsistence resources and minimize environmental impacts to the land and the Kuskokwim River. According to the Bethel waste management plan, appliances containing chlorofluorocarbons (CFCs, refrigerant gas) are stored until the gases can be recovered by an authorized appliance service agent. Sorbents and oily rags are burned in a Smart Ash unit. Latex paints are opened and allowed to dry before disposal in the landfill. The City is unable to take batteries at this time, but the Napa store in Bethel accepts used car batteries. Used oil is stored in 55-gallon drums and eventually burned in a space heater at the landfill office or Public Works shop. The City occasionally contracts to containerize and ship out household hazardous waste on an as-needed basis. The 2002 Bethel Waste Management Plan recommends keeping records on hazardous wastes (e.g., used motor oil, oil-based paints and solvents, lead-acid batteries, refrigerators, antifreeze).

¹⁶ Total Reclaim, a Pacific Northwest recycling company, now has an Anchorage office and serves communities throughout Alaska. <http://www.totalreclaim.com/alaska.html>

¹⁷ Recycling companies in Seattle want shredded material, so in order to sell recyclable material to these companies, the City would have to shred and package it accordingly.

Technology

Objective D: Technology. Provide for current and future technology needs.
Strategy 1: Promote the widespread availability of communication systems to facilitate communication among members of the public, public institutions, government agencies, and businesses, and to promote the public service and safety advantages and economic opportunities afforded to the community due to the availability of state-of-the-art telecommunications technology.
Action 1a: Review and update potentially suitable personal wireless facility locations, as identified on the official City Map every five years.
Action 1b: Encourage competition for communications technology providers in Bethel; actively work to recruit and/or remove barriers to entry for competing firms.
Action 1c: Explore the costs and benefits of the City providing wi-fi service to the entire city and to city employees only.
Policy 1d: Telecommunications facilities that are developed and operated expressly to carry out emergency services should be considered essential public facilities.

Background

The Technology Department maintains the City of Bethel's information technology systems. It has been negotiating a program to re-lease computers every three-to-five years in order to keep the City's hardware up-to-date and in working order. A four-year lease is currently in place for computer equipment. The department has also been working on a program to upgrade the City's printers/copiers to heavy duty machines that will perform reliably and that use the same type of toner cartridges so that the City can reduce operations costs by buying the toner cartridges in bulk. The Department now has five multi-function machines in a maintenance program.

The Technology Department is upgrading the City's internet infrastructure to increase internet access and lower costs for the City and community. Once the upgrades are complete, the City will be able to create a wireless internet network for City employees, saving the City \$2,000 a year. These upgrades will also provide the police and fire departments with more secure communications. For Police, it will allow officers to report from laptops in their patrol cars or PDA devices, saving time and money. The City could possibly broadcast free wireless internet throughout the city or to sell it as a service for a small fee (e.g., \$10/month). Whether or not this is possible will depend on a number of factors:

- **Communications infrastructure.** Communications companies would need to provide Bethel with increased bandwidth.
- **Community partnerships.** If other Bethel-based organizations joined the City, they could provide a full-fledged internet service.
- **Legal considerations.** If the City were to provide internet service to the community at large, it would be competing with Bethel's existing private internet service provider, GCI. Other communities have invested in providing free or subsidized public internet service as an economic development strategy, with mixed success. These initiatives can be met with opposition from private communications companies, which stand to lose a considerable amount of revenue if the City is successful in setting up a free or subsidized open wireless internet network. (One resource for municipal wireless networks is www.muniwireless.com.)

Fire and Emergency Medical Services

Objective E: Fire and Emergency Medical Services. Provide adequate fire protection measures and services in Bethel to respond to current and future anticipated emergency service needs.
Strategy 1: Maintain and improve fire and emergency medical services and related facilities.
Action 1a: Plan for and construct a substation close to the airport. <i>Bethel recently upgraded its fire station. The station serves the entire city adequately, but the department would like to plan for a substation close to the airport. A substation would allow the Fire Department to better respond to homes in the Kasayulie subdivision, the Tundra Ridge subdivision and the airport. The substation would house a vehicle and equipment; no employees would be staffed there. Rather, it would be a gathering point for community volunteers called via the radio/paging system. At least eleven houses in the Kasayulie subdivision are located outside Bethel's five-mile fire response radius. These houses receive the same service from the fire department as the rest of Bethel, but receive lower ISO ratings,¹⁸ and are therefore charged much higher insurance rates than properties within the five-mile fire response radius (two- to three-times higher¹⁹). Building a substation near the airport would expand the response radius to include these properties, better serving them and lowering their insurance rates.</i>
Action 1b: Address other capital replacement needs, as needed. <i>Current anticipated equipment and capital replacement needs include one or two fire engines (triple combination: truck, pump, water supply) and a radiation detector.</i>
Action 1c: Decide whether to use the fire training tower in its present location, move it closer to the fire station or decommission it; carry out decision. <i>The City's existing fire tower is located near the sewage lagoon, and has been proposed to be relocated along with the new fire station. No decision has been made whether to use the existing tower in its present location, move it closer to the fire station or decommission it. The existing site has been found to contain fuel-contaminated soil; remediation is underway, but not yet complete. Though the existing location is not ideal, the City will probably fix it up and use it in its present location.</i>
Action 1d: Continue to provide training for fire and EMS staff. <i>Training will continue to be important for new recruits and to maintain the skills of existing firefighting and emergency services staff.</i>
Policy 1e: As the City's piped water system is expanded, hydrants should be installed (and will likely be required). <i>Fire hydrants will not only allow the Fire Department ready access to larger amounts of water for firefighting purposes, they will also improve the ISO rating (thereby reducing insurance rates) for properties located within 1,000 feet of each hydrant.</i>

Background

The City of Bethel Fire Department works to protect life and property by providing quick and efficient responses to fires, medical emergencies, hazardous material response and other hazardous situations, as well as increasing public awareness of hazards through fire prevention and public education programs. The Bethel Fire Department has a full-time staff of one captain, one chief and five paid responders. The responders work a rotating schedule of 24 hour shifts that enables there to be two paid staff per shift. The Fire Chief works days and is on-call at all other times. There are, in addition, about 20 members of the community that serve as firefighter/EMT volunteers with the department. The department operates two fire engines, a water tanker, an aerial apparatus and a small tundra fire vehicle out of the fire station building at

¹⁸ ISO fire protection ratings are given by independent raters and are used by insurance companies to determine rates and coverage. The City does not have control over the policies or criteria used to determine the ISO ratings for specific properties, nor over the insurance rates charged to property owners. The Bethel Fire Department is committed to providing emergency services to all Bethel residents and property owners.

¹⁹ Personal Communication, Young.

320 Hoffman Highway. The City has a mutual aid agreement with the Bethel airport to provide services and a cooperative agreement with the US Bureau of Land Management (BLM) for access to equipment and personnel.

Prevention and education programs include a home safety inspection program, fire prevention classes and fire drills for children through field trips and school visits (including Fire Prevention Month in October), and a program in which fire department personnel regularly examine commercial and residential properties in areas of the community where a significant fire problem might develop. Smoke detectors are available and can be tested year-round at the fire station. The department will also provide, test or install detectors in homes for those without the means to do so themselves.

The department responds to emergency medical service (EMS) calls 24 hours a day. All paid staff and volunteer staff of the department are certified by the State of Alaska as Emergency Medical Technicians (EMTs). About ten members of the community serve as volunteer EMT's with the department. Ambulance service in Bethel is certified by the State of Alaska as an "Advanced Life Support" unit, a higher level of service than the minimum requirement of a "Basic Life Support" unit.

The department responds to hazardous materials incidents at the first responder level of training (OSHA regulations require that all emergency responders be trained to this level), and a few department staff are trained to the hazardous waste handler level. Major hazardous materials incidents are coordinated with the local Alaska Department of Environmental Conservation (ADEC) office in Bethel and the Alaska Division of Emergency Services (ADES) at Fort Richardson.

Support for Improvements in Other City Departments

The Bethel Fire Department also benefits from improvements within the purview of other City departments, such as Public Works and the Port. The Fire Department supports public works projects such as piped water distribution (with fire hydrants) and additional water storage around town. The department can save more lives and property with ready water; for property owners, piped water distribution means significantly lower insurance rates (could be about half the cost

Emergency Services and Insurance Rates in Bethel

Properties located outside the fire service radius (five miles away from the fire station) are rated by insurance companies as "unprotected." Though the Bethel Fire Department serves these and other properties within the service radius equally, insurance companies consider them a greater risk, and therefore charge higher homeowners' fire, and casualty insurance rates (two- to three- times higher) than properties inside the fire service radius.

Properties located within the fire-service radius (within five miles of the fire station) receive ISO rating 8. The Bethel Fire Department has tested their ability to serve properties within this radius using either piped or hauled water, and found that both methods of water transport allow firefighters to serve properties within the fire service radius well enough to receive an ISO rating of 8.

Properties located within the fire-service radius (within five miles of the fire station) and within 1,000 feet of a fire hydrant (hooked up to piped water) receive an ISO rating 5. These properties are considered by insurance companies to have the least risk and are charged the lowest homeowners' fire, and casualty insurance rates. The property does not have to be connected to the piped system (it may still receive hauled water), nor does it have to be part of a subdivision that receives piped water; it only has to be located within 1,000 feet of a hydrant connected to the piped system.

of insurance with hauled water distribution).²⁰ The Fire Department also benefits from better emergency access from road improvements, from paved roads (which mean less wear and tear on firefighting equipment than gravel roads), and from road maintenance improvements (for example, if there is an emergency, firefighting trucks must navigate around stuck cars during snowstorms). The Fire Department also supports maintenance and improvements to port facilities and access to the Kuskokwim to promote maritime safety.

Police

Objective F: Police. Provide adequate police services to meet existing demand and anticipated future demands.
Strategy 1: Maintain and improve police services and related facilities. <i>Bethel has seen an improvement in the safety of its citizens and police service, and the police department is working to continue this trend.</i>
Action 1a: Secure new facilities for Bethel Police headquarters. <i>Bethel City Council recently approved a two-acre site on Salmonberry Street. This site is large enough to accommodate department offices, training center, animal control and a vehicle impound yard. The City currently does not have a vehicle impound yard; vehicles are kept at Public Works, where they are stored but not secured. A number of private towing companies also have private vehicle lots. A vehicle impound yard is anticipated to be included in the new police station.</i>
Action 1b: Upgrade public safety dispatch and communications equipment, including a new radio tower. <i>The Bethel police department will be looking at replacing repeaters and consul radios, updating its electronic dispatch infrastructure (e-911), and installing separate police communications infrastructure (radio tower) at the new police station. The new 80 ft. communications tower will allow the Bethel Police Department to move its existing antennas and other communications equipment from the KYUK Radio Station facilities to the new police station, where it will be more secure. Relocating the Police communications equipment to City-owned facilities will also save the City about \$400/month in rental fees.</i> <i>The department also has a 311 non-emergency number that residents can call for information and services. Public comments indicate that this is a helpful service; however, the number only works from landlines, not from cell phones. In order to make the number work for cell phones, the City would need gain the local phone company's compliance to ensure cell phones are integrated into the e-911 infrastructure (this is a Federal mandate to cellular carriers).</i>
Action 1c: Improve police housing (i.e., replace Quonset hut).
Strategy 2: Expand investigation and evidence collection capabilities to bring them up to current national standards.
Action 2a: Purchase equipment (e.g., surveillance equipment at the Port, video cameras on police vehicles), as needed. <i>The department has received grants for new equipment (\$16,000) and for an instant command trailer to store collected evidence and respond quickly to crime scenes (\$35,000). Additional surveillance equipment (e.g., at the Port, video cameras on police vehicles) could also benefit police investigations and the safety of the citizens of Bethel.</i>
Action 2b: Provide training for police staff, as needed.

²⁰ Personal Communication, Young.

Background

The Bethel Police Department aims to provide the most professional, unbiased and effective police services possible to the community of Bethel. The department often works in cooperation with other agencies and the citizens of Bethel to address the community's public safety needs and concerns. The department currently has 13 sworn staff. In 2010, the staff handled approximately 16,000 calls for service. For comparison, this figure is about twice that of Wasilla, a city that has twice as many officers as Bethel.

Bethel police respond only to calls placed within city limits, but Bethel is also the public safety answering point (PSAP) for both the Alaska State Troopers and Bethel Police. The Bethel PSAP includes an area approximately the size of Texas (a full list is included on the next page). The Alaska State Troopers contract with the City for after-hours dispatch services. 911 calls are fielded in Bethel, then forwarded to the Alaska State Troopers to respond. Bethel also has a State grant-funded Community Service Patrol program that employs three full-time employees and two part-time employees. This program helps to spread out some of the department's response load, but the funding to continue this program in the future is uncertain.

The City is currently in the process of securing a new location for the police department, which will allow the department to upgrade their physical facilities and centralize public safety services in one location. In addition, a sobering center is opening in partnership with the Yukon-Kuskokwim Health Corporation (YKHC). This facility will be funded by the State of Alaska, operated by the YKHC, and will relieve some pressure on both the Yukon Kuskokwim Correctional Center (YKCC) and emergency room (YKHC).

Bethel Public Safety Answering Point (PSAP)

Bethel is the public safety answering point (PSAP) for both the Alaska State Troopers and Bethel Police. The Bethel PSAP covers an area approximately the size of Texas and includes the following communities:

Kotlik, Billmore Slough, Hamilton, Chuloonawick, Emmonak, Alakanuk, Sheldon Point (Nunam Iqua), Palmute, Hooper Bay, Scammon Bay, Chevak, Newtok, Tununak, Tooksook Bay, Umkumuit, Mekoryuk, Nightmute, Cheforak, Kipnuk, Kongiganak, Kwiglilingok, Quinhagak, Goodnews Bay, Platinum, Lime Village, Eek, Tuntutuliak, Sleetmute, Stony River, McGrath, Takotna, Nikolai, Red Devil, Georgetown, Crooked Creek, Napaimute, Chuathbaluk, Aniak, Upper Kalskag, Lower Kalskag, Tuluksak, Akiak, Akiachak, Kwethluk, Napaskiak, Oscarville, Napakia, Nunapitchuk, Kasigluk, Atmautluk, Mountain Village, St. Mary's, Pitka's Point, Andreafski, Pilot Station, Marshall, Ohogomuit, Rissian Mission, Holy Cross, Shageluk, Anvik, Grayling, and Bethel.

Of these, the following have Trooper posts: Aniak, McGrath, St. Mary's, Emmonak, and Bethel.

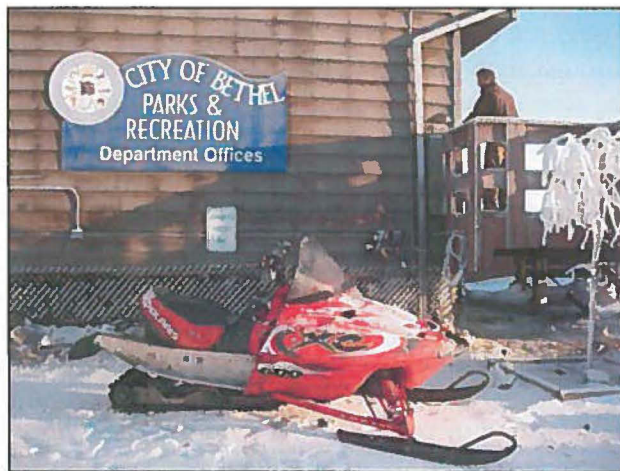
Youth and Adult Recreation

Objective G: Youth and Adult Recreation. Sustain and enhance facilities and programs for youth and adult recreation.
Strategy 1: Develop public meeting places and indoor recreational facilities for all age groups.
Action 1a: Upgrade the Bethel 4-H Youth Center. <i>The Bethel 4-H Youth Center building needs an upgrade. Improvements include ADA compliant bathrooms and shower, covered entryways for access, egress, more parking space for program participants, fenced area for workshop, equipment and greenhouse to separate it from the youth facilities, new siding and leveling the building. The Youth Center is being considered for an emergency shelter site, which would include the need for cots, sleeping bags, etc. These upgrades will need to be completed whether or not the BATH Center is constructed.</i>
Action 1b: Develop a community swimming pool complex. <i>Complete the BATH Center (Phases I and II). Hire a project manager and initiate 2-year fundraising for BATH Center. Consider re-naming the BATH Center to emphasize its regional value. Completing the BATH Center will increase the availability of year-round recreation opportunities for all community members, provide a much-needed public safety resource, and alleviate pressure on the 4-H Youth Center.</i>
Strategy 2: Expand and improve the Bethel trail system.
<i>See Transportation Goal 5.</i>
Strategy 3: Improve Bethel's existing system of parks and recreational open space.
Action 3a: Make improvements to Tundra Ridge Park. <i>These include: three-tier design with tables and/or benches in the middle for parent supervision to upper and lower areas. In other areas install age 2-12 appropriate equipment, one section with swings.</i>
Action 3b: Make improvements to the Senior Center Park. <i>These include: more greenery, tables, and benches. Install age 5-12 appropriate play equipment.</i>
Action 3c: Apply to the Land and Water Conservation Fund to incorporate more land into Pinky's Park.
Action 3d: Upgrade the ball field.
Action 3e: Maintain skatepark and consider expanding to other locations.
Strategy 4: Build additional park and outdoor recreational facilities in order to meet recreational needs of residents and visitors as the community grows.
Action 4a: Consider creating/designating additional recreation areas in Bethel (e.g., dog park, recreational campground, ski/non-motorized winter recreation area, waterfront park as part of the Bethel Port, new field for Little League softball, frisbee, soccer and/or football).
Policy 4b: Encourage the creation of neighborhood parks/open space in private developments through development standards and the subdivision review process; encourage wider use of the Planned Unit Development ("Conservation Subdivision") approach. <i>(Also Land Use Goal 6 Strategy 1 Policy 1d)</i> <i>The City could establish policy and procedure, planning and funding assistance to develop a system of neighborhood parks in each of Bethel's residential neighborhood areas (e.g., Kasayulie subdivision, Larson subdivision, Blueberry subdivision, Boat Harbor/Brown's Slough area, the Trailer Court, and future residential areas).</i> <i>Work with landowners/developers to address potential liability concerns for neighborhood parks.</i>
Policy 4c: For subdivisions with a dedicated neighborhood park, assess homebuyers a one-time user fee for park maintenance.
Policy 4d: Examine any publicly owned lands including street rights-of-way for their potential open space use before their disposition.

Policy 4e: Preserve the central area of Bethel called the Donut Hole area between the H-Marker Lake and Chief Eddie Hoffman Hwy as permanent open space; encourage year-round recreational activities.
Policy 4f: Encourage multiple recreational uses of open space land, provided that the uses are compatible.
Policy 4g: Plan community recreation facilities in conjunction with existing and planned school facilities so that they complement each other in function.
Strategy 5: Expand and/or develop recreational and educational programming to complement recreation facilities.
Action 5a: Expand youth programs currently operating out of the 4-H Youth Center, e.g., food programs, and recreational and educational programs for teens and afterschool youth.

Background

The Bethel Parks and Recreation Department manages and plans for the City's parks, playgrounds and recreation facilities. The department coordinates activities and programs for the city's diverse population. In addition to the City facilities and spaces available, Bethel has a number of facilities operated in partnership with other agencies and institutions, including the school district and university, whose spaces are available for limited use. The facilities are shown in Map 8.3.



The City of Bethel-Parks and Recreation Department has a number of existing parks and recreation facilities available to the public, including: Pinky's Park, Wally's Park, Dillon Park, Senior Center Park, Bethel 4-H Youth Center and playground, and the Log Cabin. In addition, Boat Harbor Park, Tundra Ridge Park and Pitt Lake Park are undeveloped spaces within the city. The City of Bethel has dedicated substantial funding toward building a new recreation center. Design for the Bethel Aquatic Training and Health Center (BATHC) are 65 percent complete. Operational funds for the facility will come from a combination of user fees and a designated one-half percent sales tax levied by the City. The City is still seeking matching funds for construction. The facility plans currently include a pool, fitness facilities, and additional recreation spaces.

The Bethel Parks and Recreation Department also coordinates a variety of community activities, programs and facilities. These include the Bethel 4-H Youth Center and related activities; the weight room,²¹ after-school program, teen program, family nights, youth computer center, arts and crafts program and various other indoor and outdoor activities. Other recreational activities include soccer, adult and youth softball and karate programs,²² ice-skating, volunteer-coordinated broomball, pre-school playgroup activities, community services activities, including the 4th of July, Clean-up/Green-up, and basketball against drugs. The Parks and Recreation Department

²¹ The City plans to relocate the weight room to the BATH Center.

²² Adult karate is offered through the Kuskokwim Campus Continuing Education Program. Youth karate is offered through 4-H.

also coordinates use of the Log Cabin, and Bethel's Community Garden managed by the Cooperative Extension Service.

The Bethel 4-H Youth Center is essential to the Bethel community. It is the only place in town where all youth have year-round access to recreation facilities. The existing building was constructed in 1981 as a teen center and includes the only public weight room in Bethel. Over the years, as the number of latch key youth has increased, programs run out of the center expanded for afterschool youth and teens. In 1995, the Bethel Parks and Recreation Department collaborated with the University of Alaska Cooperative Extension Service to start a 4-H Youth Development Program, which continues today. The program has been recognized to the Board of Regents by the UAF President, showcased in the College of Rural Alaska annual publication, the Cooperative Extension annual publication, and has received state awards.

Today, the Bethel 4-H Youth Center is open 50 weeks a year for afterschool youth (kindergarten through sixth grade) and teens (13-18 years old). During the school year, the program is available for afterschool youth from the time school is out until 5:30pm; during the summer, early release, and vacations, it is available from noon to 5:30pm, Monday through Saturday. The program is available for teens from 6pm to 9:30pm during the school year and the summer months, six days a week (staffing issues have caused the Center to close on Saturdays; this has been hard on the community).

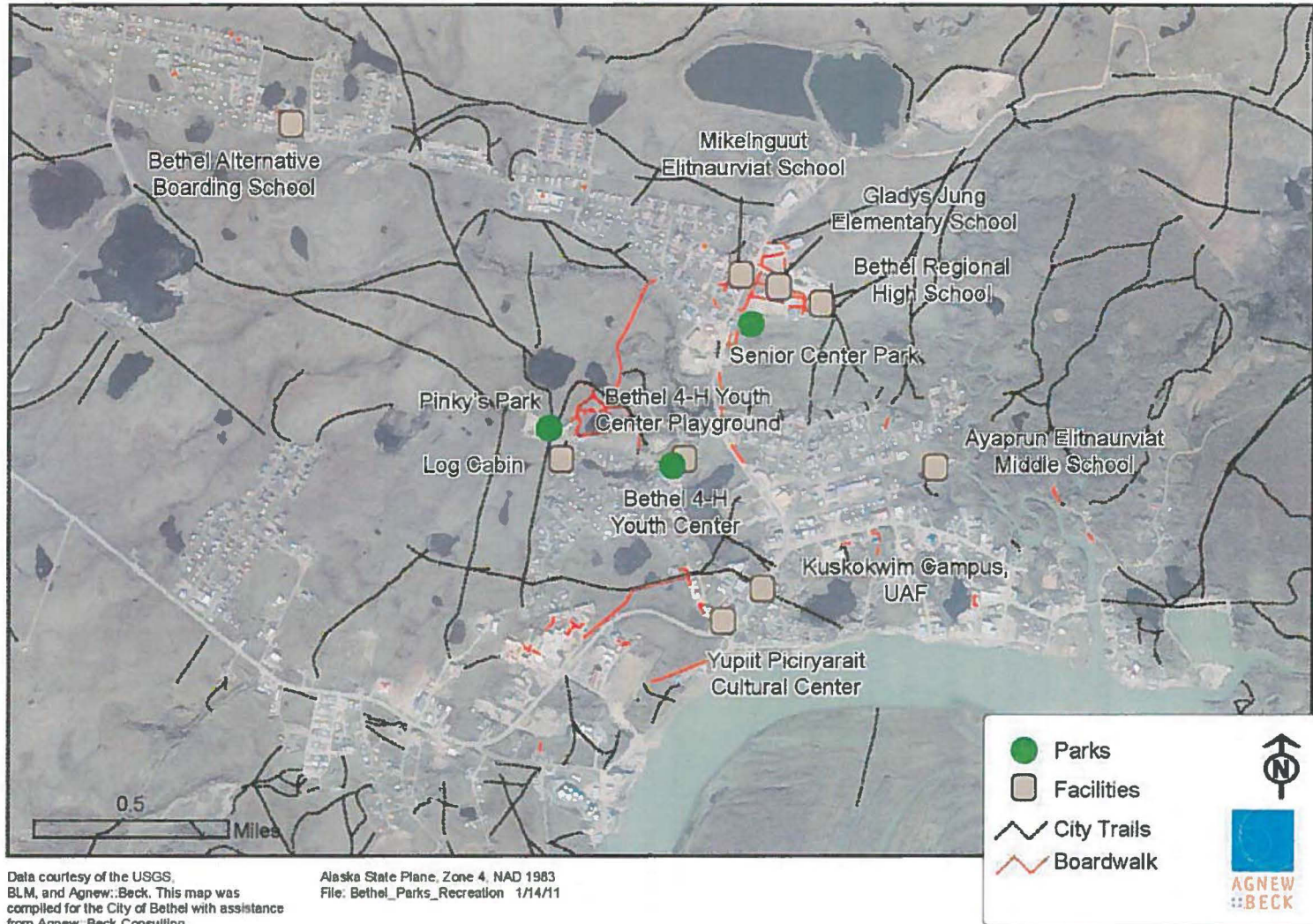
The Center runs two USDA food programs: the Summer Food Service Program is a ten week program in which hot food (lunch, snack and dinner) are served to all youth up to the age of 18; the Youth at Risk Snack Program for afterschool youth runs during the school year. These are the most basic of youth development programs: when children go hungry it is hard for them to function and focus. The Parks and Recreation department is also working to identify a funding source to provide a snack or dinner for teens during the school year. It is included in the City of Bethel Parks and Recreation Department draft budget for FY11-12, but there is no guarantee that it will be funded. The department is therefore seeking alternative funding sources (i.e. the BCS Foundation). The foods program also includes a youth garden and greenhouse that are used to grow produce for the snack program, working with Parks and Recreation staff and local volunteer Master Gardeners.²³ The Center also operates several life skills programs, including the computer lab, GPS training, arts, crafts, recreation, community service, gardening, cooking, sewing, games, and animal and bird watching projects. The Youth Center programs attract about 50 kids a day after school and 30 teens at night, with a total of about 500-600 Bethel youth. Of these, only about 300 are formally enrolled in the Center's programs. These programs are outgrowing the size of the current facility.

Safe and affordable daycare, childcare, and youth summer and afterschool activities are an important service. The Parks and Recreation facilities (and programs run out of them) provide some portion of this need, but additional services and facilities (whether publicly or privately run) are needed in the community.

²³ Bethel's youth garden is located at the Bethel 4-H Youth Center and is designated for the youth gardening programs; it exists in addition to the Bethel Community Garden, which is located on Osage Street on the north side of Pinky's Park.

Map 8.3

City of Bethel Parks + Recreation



Facilities run in partnership between the City of Bethel and other institutions include Mikelnguut Elitnaurviat School (grades K-2), Ayaprun Elitnaruviik School (grades K-6), Gladys Jung School (grades 3-6), Bethel Regional High School (grades 7-12), Bethel Alternative Boarding School (grades 10-12), the University of Alaska Fairbanks – Kuskokwim Campus and the Yuppit Piciyarait Cultural Center. Due to ongoing school use, liability concerns, application process, the need for supervision and scheduling constraints, public use of school facilities has been on a very limited basis.

With six staff in winter months and two additional seasonal staff for park maintenance in summer, the Parks and Recreation Department relies heavily upon community volunteers to keep recreational programs going. Additional staff can only be paid for through grant funded programs or in collaboration with other agencies. Bethel Parks and Recreation is currently working with the AVCP TANF Program; a Program Assistant was hired through this partnership to do additional activities with youth.

The City has been updating the Bethel Parks and Recreation Master Plan concurrent with this Comprehensive Plan. The Comprehensive Plan includes selected priorities from the Master Plan, which identifies Bethel's future recreational uses, demands and future needs in greater detail. The plan will also establish park facility and space standards to help the City maintain a system of quality recreational spaces suited for Bethel's population needs and financial resources. Priority parks and recreation infrastructure improvements are included in the Comprehensive Plan.

Recreation facilities for Bethel's youth are important to the community. As one resident said at a planning workshop, "The skate park is the best thing that has happened in Bethel!" Other participants asked about additional playground facilities and a shooting range. The Parks Department currently has a playground at the 4-H Youth Center, and this plan includes strategies to use City policy to encourage the creation of additional neighborhood parks throughout Bethel. Though the City has no plans to build or operate a shooting range, the Bethel Sportsman Club has indicated plans to build a 200-yard multi-purpose rifle range, a pistol range and a shotgun range to support their educational programs in firearm safety, marksmanship and sportsmanship.²⁴

Other parks and recreation infrastructure improvements are detailed in the 2011 Bethel Parks and Recreation Master Plan.

²⁴ Letter to the City of Bethel from Jaimie Kassman, Bethel Sportsman Club President. See Appendix A Public Comments.

Intergovernmental Cooperation

GOAL 2: Foster intergovernmental cooperation: a network of local governmental and civic organizations committed to the common good of the community, based on a high degree of resident participation, interagency cooperation, and inspired leadership.
Strategy 1: Support only new development that occurs at a rate consistent with the community's ability to accommodate new development, physically and financially.
Action 1a: Work cooperatively with the school district to plan for the replacement or construction of new school facilities as needed to meet projected school enrollments. Establish a committee of appropriate representation for school site selection. Use the committee to establish needs and identify potential sites.
Strategy 2: Consider new sources of municipal revenue, including impact fees and public land dedications, or special service taxing (e.g., business improvement district) to support needed services.
<i>No actions associated with this strategy.</i>
Strategy 3: Seek State of Alaska and federal assistance that supports the attraction of business and employment development.
<i>No actions associated with this strategy.</i>
Strategy 4: Develop policies, cooperative agreements and working relationships promoting intergovernmental cooperation, information sharing and the sharing of services with other governmental units.
Action 4a: Explore the use of shared facilities and the coordination of services provided by ONC.
Policy 4b: Foster cooperative working relationships with local, state, and federal agencies operating in Bethel.
Policy 4c: Use interagency working groups when appropriate to solve problems of mutual interest.
Policy 4d: Maintain joint planning efforts with the ONC.
Policy 4e: Continue working with ONC on the implementation of joint planning efforts (e.g., Transportation and Community Economic Development Strategies (CEDS) plans).



CITY OF BETHEL
P.O. Box 388
Bethel, Alaska 99559
Ph. (907) 543-4150
Fax (907) 543-3817

MEMORANDUM

DATE: July 20 – July 19 – August 2, 2022

TO: City Council

FROM: Peter Williams, City Manager

RE: Managers' Report

Covid-19 – Masks, hand cleaner, and testing kits are still available. The test kits we have are out of date. The manufacturer told us we could extend the shelf life of the masks we have for three months. It appears the number of cases being reported is increasing.

Daily Log

July 19 – 1) Admin met to discuss the CBA. Hopefully, we are nearing the end of the negotiations. 2) Reviewing CIP with the Finance Dept. 3) Admin forwards a Resolution to the City Clerk to allow Comm. Drivers Licenses to be issued in Bethel.

July 20 – 1) Discussed personal issues with the H.R. director. We also discussed implementing a Safety Program and forming an employee-staffed Safety Committee 2) Discussed the audit sale taxes with the Finance Director. 3) V&E inventory was sent to Carmen Jackson LLC, who is helping us finish the 2020 audit. 3) Requested the status of the transfer of property to ONC to the City of Bethel.

July 21- 1) Via email discussed YKFC's lack of lifeguards with the C.A., CC, and the manager of the pool. At issue is the City's liability if the pool is being used and no lifeguards are present. 2) We are waiting for the Mylar, which we will receive by mail. Then the plat needs to be signed. We will record the property, and the last step is to produce a quit deed claim for ONC to sign. 3) Requested Vitus Marine finish fencing the tank farm out on Tower Rd. They need a fence around the propane tanks. 4) The DMV asked for suggestions that provide information to the public that the deadline is approaching for obtaining REAL ID

from the DMV. Appears that to be able to fly, you will need one by May 2023. 5) Police dept contacted Filis about the parking and some other issues.

July -22- 1) Met with the State of Alaska Office of Management and Budget and discussed the Coronavirus Capital Project Fund (CCPF). If we can satisfy the requirements of the grant, the funds will be used to expand the Yukon Kusko. Fitness Ctr. 2) Some of the heavy equipment ordered last year arrives in Seattle. 3) Review in voices from DOWL Inc. 3) Review Comp Plan Update.

July 25 - 1) Reviewed and sent the contract for monitoring the wind turbine to PowerGrid Ltd., which has acquired Northern Power. Northern Power was monitoring the turbine remotely from Vermont. PowerGrid Ltd. has partnered with AVEC and will have an office based in Alaska. 2) The project at the courthouse for water services is near completion. 3) The DEC will inspect the landfill on August 16. 4)

July 26 - 1) Reviewed CSP grant expenditures and discussed them with the finance department. 2) Attended the Council Meeting.

July 27 – 1) The Act. Police Chief, H.R. director, and I interviewed two candidates for the police chief's position. 2) Several discussions with the H.R. Director concerning personnel. 3) The Police Dept has secured an officer for the SRO position at LKSD. 4) HR Manger and I discussed developing a form of disciplining employees. The CA suggested we work with APEI. 5) Our insurance broker requested we pay our premium of \$1,020,092.92 as soon as possible. 6) Meet with the department heads to discuss P-cards and purchasing using invoices. Finance Director also spoke too various problems with purchasing that need to be changed. I think we should hire another Level II accounting specist who has had some experience in purchasing and is familiar with procurement codes.

July 28 – 1) Teams meeting with H.R. Pro. 2) Reviewed the status of the projects that Dowl Inc and the City of Bethel are working on together. 3) I Received a response from the APEA regarding our final offer for the CBA. 4) Discussed changes to the site plan permits. 5) ADF&G will meet with City staff to discuss culverts at various water crossings. 6) Met with H.R. Director to discuss recruiting a Polic Chief.

July 29 – 1) Met with the Acting Police Chief and H.R. Manager to discuss the candidates for the Police chiefs position. We have decided to bring a candidate to Bethel so we can interview him in person. 2) Received the Bethel Tundra Ridge Road proposed ROW. 3) Admin. discussed the following steps to take concerning the process the City will take with an ongoing audit regarding sales tax.

July 30- Review the Manager's Report, Projects, and emails.

August 1 – 1) Discuss Public Works Pay Matrix with the P.W. and H.R. Directors. 2) Met with the city Attorney concerning the Hackneys. 3) Discussed the Alaska Public Employees Assoc. Collective Bargain Agreement.

August 2 -1) Meet with the Planning Director to discuss what tasks the Planning Department will be left unfinished when he resigns on September 1. The Admin Assistant will continue to handle the day-to-day tasks. Issuing the site plan permits will continue as usual. I hope the Conditional Use Permits will have to be outsourced to be processed. 2) Reviewed the Budget for the C.P. and carryovers with the Finance Dept. and Public works. 3) The Transit System is being audited. They will recommend to their superiors that the purchase of the bus that was approved in the CIP be expensed to the grant we received for seven-hundred eleven dollars be allowed to. We will not know for a while what their decision will be. 3) DOT announced a Pre-Notice for a new funding cycle for the Community Transportation Program(CTP) and Transportation Alternate Program (TAP).

Peter Williams
Bethel City Manager

Memorandum

Date: August 1, 2022

To: Pete Williams, City Manager

From: Bo Foley, IT Director

Subject: IT Director's Report



July 2022 Current Events

- **Wrapped Up FY22 Budget:**

Now that the FY22 budget is officially over, I had to look and make sure that all the numbers were in the black as it pertains to the different line items of my budget. It was brought to my attention that a few of the spots were overbudget. I worked with Finance on some line-item transfers to address the overages. Most of the overages were relatively minor with one line item only being over budget because I decided to allocate our Microsoft 365 expenses to a location different than what I had originally intended when we planned for FY22. The money was available, just in a different spot, so it was easy enough to just shift it.

- **Next Steps for OneWeb Transition:**

As I've been stating for months, we have been in a holding pattern regarding a shift from our GCI Internet service to the new OneWeb service due to egregious hardware delays. This month, an ACS network technician and myself have been leveraging existing equipment and other things we can get our hands on in order to move to the next step of our project which is to simulate our network on new equipment to make sure it all works as intended. If we can successfully mock up the City's existing network, we should be able to transition over relatively seamlessly. Unfortunately, we've been running into snags which the engineer is trying to hammer out.

- **Dispatch 911 Main Computer Down:**

Toward the early middle of the month, there was an issue with the power at the Police Dept which resulted in an outage for less than a minute. Even though the outage seemed minor, it did result in a casualty in the form of one of the dispatch 911 computers losing its ability to boot into an operating system due to a hard drive malfunction. We have redundancies in place so the dispatch station is still running as normal, but the computer has been sent off to ProComm for repairs. Once they receive any needed replacement parts from HP, they will return the unit to me and I'll get it reinstalled right away.

The nature of the outage is concerning. The building is supposed to be entirely UPS'd such that the building will never experience a power outage. Three UPS units running in parallel normally carry the building's load until the generators can activate. The UPS units are quite old (going on a decade now) and so it is likely time to start looking into changing the batteries in them or replacing them entirely. No one involved with the renovation of that building to become the current Police Dept remains employed by the City and so we would likely either have to RFB to

Memorandum

Date: August 1, 2022

To: Pete Williams, City Manager

From: Bo Foley, IT Director

Subject: IT Director's Report



have those units refreshed or have our term contract electricians handle it, as no one has the institutional knowledge of the original contractors that installed those or if they're still in business after all these years and especially after the havoc caused by the pandemic.

- **Landline Issues:**

Another very troubling issue cropped up this month that is beyond our power to control or even fix. On the same day of the aforementioned freak power outage at the Police Dept, it came to my attention that cellular carriers other than GCI (AT&T, Verizon, etc.) were experiencing issues with calling Bethel landlines. A caller will be met with a busy signal even if the line is not busy. Most concerning of this is that it holds true for 911 calls as well. For example, I (as a FirstNet/AT&T customer) cannot connect to 911 from my cell phone when I attempt to call it.

I have brought the issue up with AT&T and had them investigate, but all signs currently point to it being related to some failure on UUI's end. I passed the information along to UUI and they reported to me that it was a 'known issue that was being worked on'.

At the time of writing this report (7/25/22), the issue seems to have been resolved.

- **New ID Card Suite for Finance:**

I was able to install a new ID card printer and software suite for Finance this month. The old suite has been left in place for the time being while Finance works to transition over. It is a different company and program and so all the existing templates for ID and senior tax exemption cards will need to be recreated from scratch. The new software/printer does not allow Finance any additional features than they had before, but their old printer was starting to fail constantly and, due to the age of the printer and software, it seemed like the right time to refresh it entirely.

- **Normal Business:**

The rest of the month never has a shortage of the normal day-to-day support needed by employees of the City. A lot of time is spent addressing printing and scanning issues, handling employee arrivals and departures as far as network access is concerned, and generally trying to keep any little fires extinguished in a timely manner.

Memorandum

Date: August 1, 2022

To: Pete Williams, City Manager

From: Bo Foley, IT Director

Subject: IT Director's Report



Future Plans

- **New IT Technician:**

With the approval of my budget modification to bring on additional help for my department, I will be spending time helping my new technician get to Bethel, get settled in, and start the orientation and training process. We are aiming for a start date of mid-August as he will need a little time to get affairs in order and move to Bethel.

CITY OF BETHEL POLICE DEPARTMENT



July 2022 Monthly Report

Personnel:

Current Staffing			
Position	Allocated	Staffed	Vacant
Safety Patrol (three grant funded)	3	3	
Community Service Officer	2	1	1
Evidence and Record Custodian	1	1	
Administrative Assistant/Taxi Inspector	1	1	
Public Safety Dispatcher (one E911 funded)	5	5	
Public Safety Dispatch Supervisor	1	1	
Peace Officers (one grant funded/reimbursed SRO)	19	15	4

Operations:

Operations Tempo				
	July 2022	June 2022	June 2021	2022 Total
Calls Total	1117	1028	1189	7678
Reports Total	88	78	71	545
Intoxicated Pedestrian Calls	125	144	224	1229
Driving Under Influence Calls	12	9	16	117
Domestic Violence Reports	20	26	41	158
Animal Calls	30	32	43	263
Animal Bite Reports	2	2	1	4
Sexual Assault Reports	4	2	8	31
Death Investigation Reports	0	2	1	10

On 07/05/2022 Sgt. Wigner was the lead instructor on an Alaska Police Standards Council Approved Use of Force Instructor Training. Due to the class being taught by Sgt Wigner we were able to have Officer Smith take the class for free. We now have two certified use of force instructors at the Bethel Police Department. This training cost the Bethel Police Department \$0.00

On 07/18/2022 Officer Fincher and Officer Revard completed 40 hours of Deviant Sexual Behavior and Related Criminal Activity Investigations Training. This training was paid for via the JAG Grant. This training cost the Bethel Police Department \$0.00

On 07/25/2022 Officer Fincher completed 40 hours of Crisis Intervention Team Training. This training was paid for via the JAG Grant. This training cost the Bethel Police Department \$0.00

On 07/25/2022 Officer Griffin completed 40 hours of National Association of School Resource Officer Training. This certifies her as an SRO, and she will be Bethel's School Districts SRO for this school year. This training should be reimbursed by the COPS Gant.

All of the above training was completed outside the City of Bethel and cost the city \$0.00

We're currently working backgrounds on several police officers. We continue to recruit for all vacancies.

There have been 43 calls for service that are drug related since January 1, 2022. However, I believe this number is much higher as we can only track calls for service where the officer can confirm it is narcotics related. We do have an Investigator, assigned to the WAANT Unit and as of January 1, 2022 he has made 0 arrests related to narcotics.

The Bethel Police Department has conducted 22 traffic stops reference BMC 10.03.040. We have placed literature on the City of Bethel Facebook page regarding the changes to the law and educating everyone regarding what is needed to legally drive on the roads. We have started handing out educational pamphlets on all traffic stops educating drivers regarding what is needed to legally drive on the roads. We will have an ATV/Side by Side free safety check at the cultural center parking lot on August 6th from 10-2PM.

I would strongly encourage everyone who reads this for all of us to come together and have a job fair for the City of Bethel as soon as possible.

To: Pete Williams, City Manager
From: Ted Meyer, Planner
Subject: Planning Department Report, July 2022
Date: August 2, 2022

SITE PLAN PERMITS

Staff received only five applications during the month of July. Staff continues to process permits for large development projects scheduled for this summer:

1. City staff and engineer are coordinating with and still waiting for a driveway utility crossing design from LKSD for the new Ayaprun school on LKSD property. A traffic impact assessment study has been agreed upon by both parties for LKSD to perform in the fall, as a condition of Site Plan Permit approval.

2. Staff continues work with their project consultant on a Site Plan Permit application submitted on May 25th for development of the 20-unit Bethel Permanent Supportive Housing addition to the Winter House.

TALL TOWER PERMIT

Staff continues to coordinate a Tall Tower Permit with KYUK for a new 220-foot radio tower to be located near their existing tower, towards the end of BIA Road. Staff assisted with the site plan drawing.

CODE ENFORCEMENT

Hazard/Nuisance Properties

Staff is still coordinating the proposed demolition of a dilapidated, falling-apart shop that is located 4/5 into the city right-of-way, just off Tundra Street.

Abandoned Vehicles

The HE forklift in the ROW located off Napakiak Street was tagged on June 30 with a 30-day notice to tow. The machinery was voluntarily moved by the owner.

PLANNING COMMISSION

Five B&B's were identified as having non-conforming structure/uses at the time the Residential B&B Ordinance #21-37 became effective last September 1, 2021. The ordinance allows these B&B owners to submit a Conditional Use Permit application for continued operation of a non-conforming use:

1. The Planning Commission approved Conditional Use Permits for two Bed & Breakfast Homestays with nonconforming standards at the July 14 Planning Commission meeting.
2. August 11 Meeting – Staff is currently preparing reports for the final two Bed & Breakfast Homestays that require a Conditional Use Permit for non-conforming standards. After conclusion of these CUP hearings, all future B&B applications must conform to all B&B standards. Also for the August 11 hearing, staff is preparing a presentation for rezoning a property on Hoffman St.



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PO Box 649 Bethel, AK 99559
P: (907) 543-3110
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warnold@cityofbethel.net

MEMORANDUM

DATE: 07.31.2022

TO: Peter Williams, City Manager

FROM: Bill Arnold, Public Works Director

SUBJECT: Manager's Report – Public Works Department

Programs/Divisions

Hauled Utilities:

Utility Maintenance: 7alarms on residential lift stations were responded to. Multiple issues with grinder pumps, and float systems

- Monthly meter reading and service connections were completed
 - Clean up and organization of shops and vehicles.
 - 7 residential lift station repairs.
 - Tundra Center lift station still in dire need of repairs/ replacement. Currently, lift station is not functioning at full capacity/ has required creativity to modify pump to continue to operate.
 - Mixing up main lift station by hand with soap to prevent matt build up
 - Brush cutting and leveling activities on low-flow and plugged sewer lines
 - The few flushing activities that have required longer than 16 hours of work have been handled by rotating men on rest.
 - Daily safety meetings were held.
- Shut bethel heights water system down for repairs.
Utility Maintenance has 3 staff workers still short staffed.

Property Maintenance:

Temporary positions posted since early 2022.

Vacant FTE positions still posted.

Currently short staffed. 4 of 7 total employees.

Summer building projects and maintenance tasks are beginning

Parks problems and vandalism and graffiti a daily problem. Park temporary worker getting caught up on daily weekday park rounds and trash clean up. Majority of the side railing on the elevated boardwalk sections have been repaired or completely replaced. Often the repairs are found dismantled the following day. Some people kids I swear!

Fences repairs on one day are found destroyed the following day. Employee reports Trash cans that are emptied one day are filled the following day or strewn about across the park.

Kids continue to move park benches and tables to use as climbing aids or as methods of destruction. Anchored several picnic tables down into the ground and children have removed the anchors.

Department is trying to catch up on long due heating and air handling maintenance in City buildings and are prioritizing the work to critical systems as we prepare for winter to return. Most of the department's efforts are focused on the pool and courthouse building. Pools heating and air handling system has had problem and needed daily attention. Parts are on order. Courthouse is receiving a new tie in for fire suppression. Work is taking place by contractors within the mechanical room.

Road Maintenance:

Streets and Roads had the graders out when the roads would hold up in between the two big rainstorms that lasted almost a week on each storm.

Streets and Roads Hauled in sand and gravel to the parking lot of the bus barn with dump trucks. After grading the sand and gravel, we compact it.

Street and Roads hauled sand and gravel to the inside of the bus barn that will become Streets and Roads shop. We laid down foam board in between the sand and gravel.

Street and Roads replaced culvert in Tundra Ridge Subdivision that cross the driveway in 9330 TR.

Streets and Road dug four graves for the month of July at the new cemetery by the airport.

Vehicles and Equipment: Fixing and repairing vehicles and equipment as needed. Had contractor come out and hard face shredder teeth.

Transit System:

For the month of July, Bethel Transit's riders consisted of 798-Seniors, 8-Youth, 66-Adults, 73-Disabled, and 539-Pass riders who purchased either Month or Day passes. Bus 440 logged 2,845.9 miles and pumped in 313.309 gallons of fuel. For revenue the regular fares totaled \$373.00 and \$1,560.00 of Day/Month purchases totaling \$1,933.00.

Landfill:

The new shredder is running and doing what it was designed to do, shred debris.

Our most recent employee spent the whole month in CDL training.

We have been preparing for our yearly landfill inspection on August 16th.

Have worked throughout the month on the daily routine of managing the landfill,

Staffing Issues/Concerns/Training:



City of Bethel
Finance Department
Monthly City Manager's Report for May 2022

Date: July 1 to July 31, 2022
To: Peter Williams, City Manager
From: Duane Wright, Finance Director
Subject: Management Report, July 31st, 2022

The Finance Department's Monthly City Manager Report details the progress, challenges, and activities of the Finance Department for the month.

Current Activities within the Finance Department

- The Finance Department continues work on activities related to completion of the external (BDO) annual audit for FY-21. Discussed audit progress with BDO account partner. He says the audit firm is having difficulty with obtaining staff to complete the audit. They are experience significant staffing across the US accounting profession.
- BDO is currently unable to commit to a start date for the FY-22 audit. They are advising us, that if they continue as the Bethel's audit firm the fees will be substantially higher due to staffing challenges.
- As part of the audit process the Finance Department is investigating the funding and disbursement of moneys from the "Cares-Act" funding during 2020. There was a separate account established at FNB Alaska and none of the transactions recorded there were incorporated in the Caselle accounting system used by the city. This element of the FY-21 audit remains in-process of examination by BDO.
- The Finance Department completed a "final draft" of the FY-23 Capital Budget for presentation to Council. The capital budget was approved (with modifications) in the 7/26/22 council meeting. The accounting group is working to finish modification approved by Council.
- The Finance Department completed work on the FY-23 budget and presented to Council for final cycle. Final FY-23 budget has been approved for entry into the accounting system.

- The Finance Department continues to work on improved payroll processes to enhance the over-all accuracy and integrity of payroll processing, HR compliance, Sales Tax collection and payment processing.
- The Finance Department is no longer fully staffed. We are currently have two open Accounting Assistant I positions. Our advertising has not yet yielded candidates for consideration.
- The Finance Director has initiated a sales tax compliance (Audit) process. The first “Notice of Sales Tax Audit” has been sent out to a business who has not filed a sales tax return since 2017. We are continuing to pursue those situations where we identify non-compliance in sales tax reporting. Finance Department has successfully set out more than 30 audit notices to businesses and individuals.
- The Finance Director has identified a “gap” in business license compliance. The finance department has implemented a process to identify those businesses operating in city. We are notifying the “non-compliant” businesses to bring them into compliance. To date we have set out over 100 letters in this effort.
- The Finance Director has initiated a review of the current P-Card procurement processes. This is an area of ‘weak’ internal control. We are looking to implement an enhanced PURCHASING process. Using Purchase Orders (PO) to better control purchasing and accounting processes.
- Finance continues to work on the Grant funding process for the Avenues Project. The Finance Department also continues to support the Grant manager with grant accounting processes.

Staffing/Recruitment

- Two fulltime positions is open - Accounting Specialist I

Training

The Finance Department is working on a goal of cross-training for all team members. We are also committed to continuous training for all team members.

Group Training Sessions:

- The finance department has initiated regular weekly team training sessions. These sessions occur on Friday mornings and cover information relevant to the operation of the finance department.

Independent Training(s):

- The Accounts Specialist II has completed a three-day on-line course to obtain HR knowledge/training.
- The Deputy Director is continuing his CPA preparation/training.
- The Finance Director continues training to meet CPE requirements.

Select Tasks & Statuses by Sub-Department

Utility Billing

Tasks	Frequency	Status
Collections	Monthly	Current. This month we were very aggressive in contacting and issuing payment plans for delinquent account holders.
ORS'	Daily	Current.

Payroll/AP

Tasks	Frequency	Status
Personnel Action Requests (PARs)	As Needed	Current.
Deferred Compensation	Bi-weekly	Current.
Payroll	Bi-weekly	Current.
Accounts Payable	Weekly	Current.

Sales Tax

Tasks	Frequency	Status
Applying Business License Payments	Daily	Current.
Mailing Delinquency Notices	Monthly	Current.
Constructing Aging Reports	Monthly	Current.
Applying Business License Renewals	As needed	Current.
Drafting Payment Plans	As needed	Current.
Applying Payments	Daily	Current.
Reviewing & Processing Exemption Cards	As needed	Current.

General Ledger

Tasks	Frequency	Status
Journal Entries	Monthly Recurring	Current (April)
Budget Amendments (from budget ordinances)	As needed	Current (April)
Cash Reconciliations	Monthly	Current (April)
Investment Reconciliations	Monthly	Current (April)
Create Allocations & Run Checkout	Monthly	Current (April)
DOJ Grants	Quarterly	Current (April)

Internal Improvements

The following are a list of internal tasks, actions, projects, or changes that we have made within the Finance Department for the purpose of improving operations:

- Developed a new “Delinquent Dock Storage Payment Agreement”
- Reviewing the process for open not renewed bi-annual business licenses. Working to complete and reconcile all business license renewals. Investigating all businesses suspected of failure to comply with city business license requirements.
- Identifying businesses not in compliance with sales tax reporting and conducting examinations.
- Enhanced payroll processing steps to include a detailed second review and approval step for payroll completion. We have enhanced payroll processing steps to include a process of checks and balances in an effort to improve quality.

Small & Big Wins

Finance Department

- The first draft of the FY-23 budget has been completed and provided to city council for review and approval. Waiting FINAL approval and adoption of budget.
- The Finance Department has completed a final draft of the capital budget and now awaits Council’s approval.
- The finance department continued assistance and coverage for HR duties due to vacancy of HR Manager position
- Finance department continues to support the FY-21 Audit process. Audit still underway.

- Continued updating the object codes in the WellsOne Expense Manager from the previous 3-digit codes to the new 4-digit codes
- Assisted the Transit Manager in collecting a prior month's transit invoices and journal entries

Challenges

- The Finance Department must continue training so that we can enhance our collective level of proficiency.
- The Chart of Accounts update has affected our ability to complete quarterly reports for some grants and will continue to limit our ability to do detailed account analysis.
- We are struggling to discover and correct errors and omissions left by former personal - for example HR manager and payroll personnel.

Goals for the Future

- Utilizing data analytics to identify challenges and opportunities that can spur economic development.
- Reconciling all accounts and their correct distributions, particularly the Seawall Maintenance Fund.
- Seeking approval from the Union to begin implementing the Finance Department's Incentive Program.
- Development of enhanced internal control processes.
- Increased training events for small business owners with guidance on how to file their sales tax returns.



**CITY OF BETHEL
Fire Department**

Daron R. Solesbee, Fire Chief

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Phone: (907)-543-2131

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dsolesbee@cityofbethel.net

Celebrating 50 Years of Service

DATE: August 2, 2022

TO: Peter Williams, City Manager

FROM: Daron Solesbee, Fire Chief

SUBJECT: Management Report, July 2022

Current Events

- The department is continually recruiting for new volunteer responders and administrative support. If anyone is interested, please fill out a BFD Volunteer Application Packet today!
- The department will be conducting CPR classes and an EMT-1 (2019 Update) course this fall. If interested in attending this training, please call the fire station.
- The department is entered into a memorandum of agreement with the Yukon-Kuskokwim Health Corporation to provide EMS transports of intoxicated persons (non-medical) to the YKHC Sobering Center. This will free up valuable resources for the YKDRH Emergency Department.
- The Fire Chief traveled to Pierce Manufacturing, Inc. in Appleton, WI to conduct the pre-build design and engineering for the department's new fire engine.

Community Planning/Preparedness/Prevention

- The department has assisted several homeowners with the installation, testing, and provided free batteries for smoke and carbon monoxide alarms.
- The department received partial funding for a new fire training facility from the City of Bethel Capital Budget and will seek the remaining funds from grants and donations. This facility will be constructed by Draeger and will feature live-burn chambers, forcible entry doors/windows, reconfigurable walls for victim searches, vertical ventilation props, fire department connection, standpipes, stairs, and rope rescue anchors for technical rescues.

Training

- Staff are completing online training to become certified as State of Alaska Fire Investigator Technicians (AKFIT).
- New staff and volunteers are receiving continuous Driver/Operator training on the handling characteristics, operation of specialty equipment, care, maintenance, and safety of the department's ambulances and fire apparatus.
- A new volunteer familiarization training class was held on June 25. This class covered departmental chain of command, policies, procedures, uniform issue, and CPR. There was a 16-hour Basic Fire Ground Operations course held on July 23-24 at the fire station. This course covered topics such as PPE, firefighter health and safety, tools and equipment, water supply, fire hoses and appliances, ladders, and many other topics. This course resulted in the department gaining four new Volunteer Firefighters! Thank you to the new volunteers for all your hard work!
- Staff have completed several online training modules covering various topics of firefighting, emergency medical, fire inspection, and fire prevention.
- Staff have completed training on EMS patient care refusal policies and procedures.
- On 07/19/22 at 7:00 p.m., an EMT Meeting was held at the fire station. Responders reviewed treatment protocols and conducted skill drills on emergency childbirth and newborn management.
- On 07/28/22 at 7:00 p.m., a Fire Meeting was held at the fire station. Responders reviewed procedures and conducted skill drills for water shuttle operations.

Responses

- Between 07/01/2022 and 07/31/2022, the Bethel Fire Department responded to 113 EMS and 15 Fire incidents.
- On 07/01/22 at 9:55 p.m., firefighters responded to Ptarmigan Road for the report of a possible fire. Upon arrival, firefighters found the remains of burned food in a microwave. The fire cause was determined to be unintentional.
- On 07/02/22 at 6:36 a.m., firefighters responded to BIA Road for the report of a trash fire. Upon arrival, firefighters found a backpack burning on the roadway. The fire was extinguished, and the cause was determined to be intentional.

- On 07/06/22 at 3:39 p.m., medics responded to a report of a person experiencing chest pain. The patient was assessed, treated, and transported to the hospital.
- On 07/06/22 at 4:23 p.m., medics responded to a report of a person who was possibly experiencing a stroke. The patient was assessed, treated, and transported to the hospital.
- On 07/07/22 at 10:15 p.m., medics responded to the report of a death. Medics confirmed death and left the scene in custody of the Bethel Police Department for an investigation.

Budget/Financial

- The department purchased a new Class-A Pumper Tender Apparatus (Fire Engine) from Pierce Manufacturing, Inc. under a cooperative bid purchasing contract from Sourcewell-MN and by utilizing a portion of the Fire Department's Fleet Replacement Fund. This pumper will replace the 1986 Grumman-Spartan Super Pumper-Tanker, Engine 3. Due to production delays, this apparatus is anticipated to be shipped to Bethel on the first barge of 2023.

Grants

- The department will continue to seek grant funding for fire and EMS equipment, additional staffing, replacement fire apparatus and ambulances, and other equipment.
- The department received the 2021 State of Alaska Homeland Security SHSP grant award for the purchase of new portable and mobile radios to replace obsolete equipment. This equipment was purchased from Motorola Solutions, Inc. through Sourcewell Contract #042021-MOT.
- The department and City Grant Manager prepared an application for the 2022 State of Alaska Homeland Security SHSP Grant for security fencing, cameras, and lighting for the planned fire training tower which will be located adjacent to the fire station.

Property Maintenance

- It was discovered that the fire station needs foundation leveling, especially under the hose tower. The hose tower was leveled several years ago and now the floor is separating from the wall. This has the potential to cause significant water damage. The water/sewer utility connection's insulated box is currently separating from the exterior wall, which could cause freeze-ups. Additionally, the thermo-siphons that keep the ground frozen around the fire station's wood foundation piles need to be serviced and/or replaced. The installation of

additional thermosyphons was recommended. Arctic Foundations, Inc. conducted their inspection of the thermosyphons and have issued a report. This issue will be discussed with the City of Bethel's Engineer to formulate a strategy to deal with the foundation issues.

- The department submitted a work order to Property Maintenance for the replacement of the fire station's damaged rain gutter system. Water runoff should be directed as far from the building as possible to prevent further water accumulation under the fire station.
- A geotechnical foundation study was performed for the fire station and administration is developing a plan to improve the fire station foundation.
- The fire station's retaining walls are bulging towards the building and causing damage to the aluminum siding. This indicates possible catastrophic failure, which could damage the fire station's foundation. This work should be completed as soon as possible.

Staffing/Recruitment

- The department is recruiting for one Firefighter/EMT (PS2A, \$52,373/yr + DOE) position.
- The department is recruiting for two Fire Lieutenant (PS4A, \$67,336/yr + DOE) positions.
- The department is recruiting for one Administrative Assistant (Range 4, \$42,783/yr) position.
- One Firefighter/EMT and one Fire Lieutenant submitted their resignation letters. The department wishes them success in their future endeavors.
- The department hired one Firefighter/EMT and anticipates filling the open position within the next few weeks. The Fire Lieutenant position has been advertised nation-wide.
- The department has continually recruiting for volunteer members to serve as firefighters, ETT/EMT's, and support personnel. Become a volunteer today!

Vehicles & Equipment

- We have received the parts for the Class-A Foam system for Engine-4. Staff determined that a 1" valve was required, upon finding the 3/4" valve shipped was too small for the current foam system plumbing. This project was put on hold to

allow for the receipt of Engine-5 in May/June 2023 to allow this apparatus to be taken out of service for modifications.

FIRE DEPARTMENT VEHICLE STATUS			
Vehicle	Type	Year	Status
Medic 4	Ambulance	1999	(Reserve Ambulance) In service. Needs replacement.
Medic 5	Ambulance	2019	(Frontline Ambulance) In service.
Medic 6	Ambulance	2017	(Second-Out Ambulance) In service. Back-Up camera is not functioning (wiring/connection issue). Rear heat in patient compartment is intermittent. Paint defects. Staff is requesting a technician from Braun Northwest to troubleshoot and repair these issues.
Medic 7	Ambulance		In planning stage. Due to chassis production delays, there will be production delays.
Engine 5	Pumper	2022	Purchasing contract executed on 08/02/2021 with Hughes Fire Equipment, Inc. (Pierce Mfg, Inc.). This vehicle was PAID IN FULL on 10/04/2021. The apparatus will arrive in Bethel in May/June 2023.
Engine 4	Pumper	2013	(Frontline Pumper) In service. Generator reoccurring fuel delivery problem. Pump packing rings need to be tightened and/or replaced. Tank-to-Pump valve has a leak and is being repaired.
Engine 3	Pumper	1986	(Poor overall condition; needs replacement). Pump packing rings need to be tightened and/or replaced (unable to pass pump certification testing).
Truck 1	Ladder Truck	2017	In service.
Com 1	SUV	2021	In service.
Com 2	Pickup	2014	In service.
Com 3	Pickup	2004	In service. Fair condition.
Honda 1	ATV	2004	In service.
Honda 2	ATV	2004	In service.
Fire Boat	Boat	2004	The boat has been tuned up and is parked at the Small Boat Harbor when the Public Safety Float is installed by Port of Bethel personnel. Needs new outboard motor (obsolete). The fabric rear cabin door and plastic windows were recently replaced.

Search Parameters

Data Types: Emergency Medical Services

Source Versions: NEMSIS v2.2.1; NEMSIS v3.3.4; NEMSIS v3.4.0; NEMSIS v3.5.0

Agencies: Bethel Fire Department

Date Range: Previous Month (07/01/2022 to 07/31/2022)

Date Bin: Day

biospatial Symptoms (match at least 1):

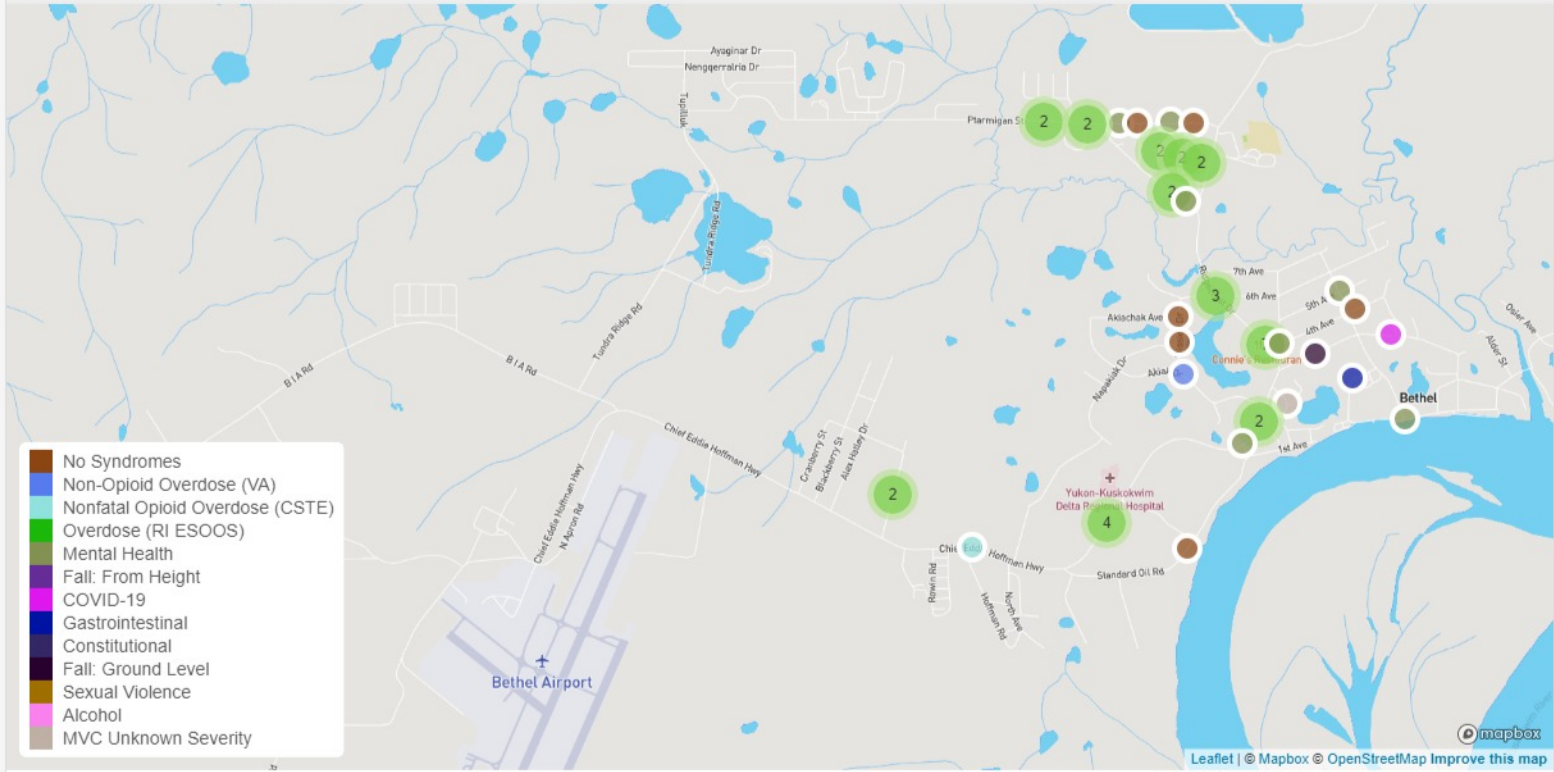
Abdominal pain, Abuse or Neglect, Agitation, Alcohol, Altered consciousness, Anorexia, Anosmia, Apnea, Assault, Benzodiazepine, Blurred vision, Body aches, Bronchiolitis, Bronchitis, Chills, Cocaine, Conjunctivitis, COPD, Cough, COVID-19, Crack, Dehydration, Diaphoresis, Diarrhea, Domestic Violence, Drooling, Drug, Drunk, Dyspnea, Earache, Epiglottitis, Fentanyl, Eye pain, Faintness, Fever, Food poisoning, Gastroenteritis, Gastrointestinal, Generalized weakness, Heat-related illness, Hemoptysis, Hoarseness, Hypertension, Hypoxia, Influenza, Injure, Intentional, Intoxication, Irritable, Lacrimation, Lethargy, Local paralysis, Lower respiratory infection, LSD, Lymphadenopathy, Malaise, Marijuana, MDMA, Melena, Methadone, Methamphetamine, Miosis, Narcan, Nausea, Opioid treatment, Oral mucosal changes, Overdose, Oxycodone, Painkiller, Pale, PCP, Pinpoint, Pleural effusion, Pleuritic pain, Pneumonia, Poison, Psilocybin, Psych, Psychiatric, Pulmonary edema, Rash, Respiratory distress, Rhinitis, Seizure, Sinusitis, Slur, Sore throat, Stridor, Suboxone, Suicide, Suicide attempt, Suicide ideation, Tachypnea, Travel/Contact - Asia, Travel/Contact - China, Travel/Contact - Europe, Travel/Contact - Iran, Travel/Contact - Italy, Twitching, Unconscious, Unresponsive, Upper respiratory congestion, Upper respiratory infection, Violence, Viral symptoms, Vomiting, Wheezing

Types of Service Requested: 911 Response (Scene); Intercept; Interfacility Transport; Medical Transport; Mutual Aid; Public Assistance/Other Not Listed; Standby

Minimum Alert Threshold:  Moderate

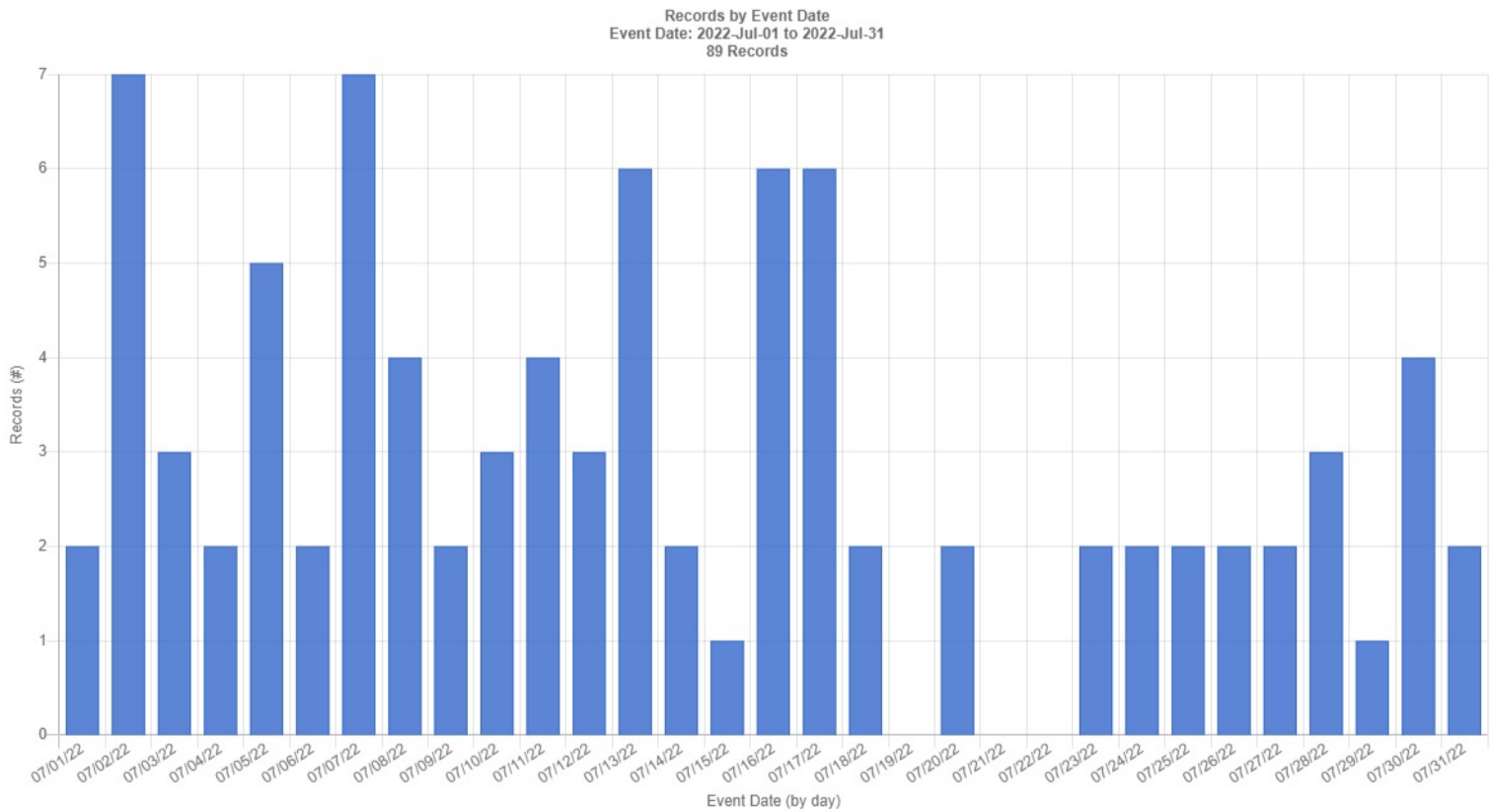
Map

 Data filtered based on **Access Levels:** Event = Location.



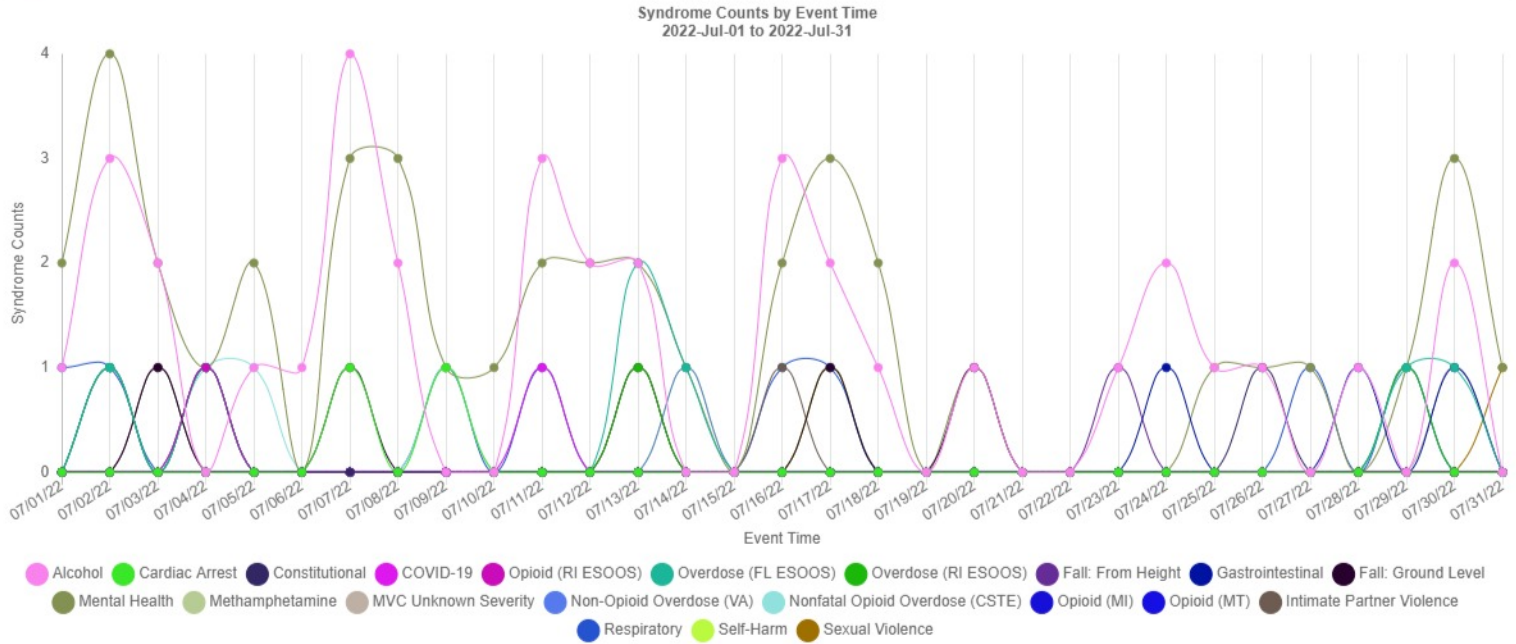
Data Explorer: Records by Event Date

Data filtered based on **Access Levels**: Event = **Location**. Operational = **Full**.



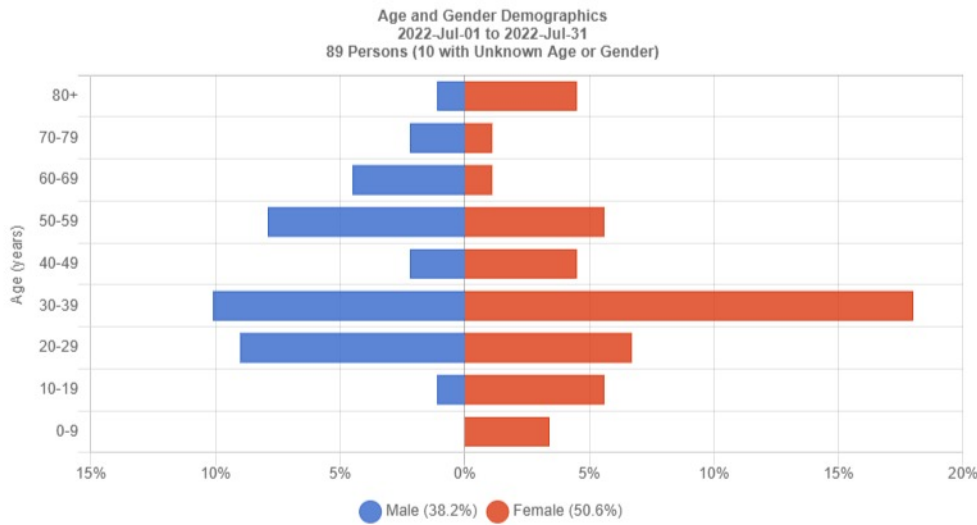
Syndrome Counts by Time

 Data filtered based on **Access Levels:** Event = Location.



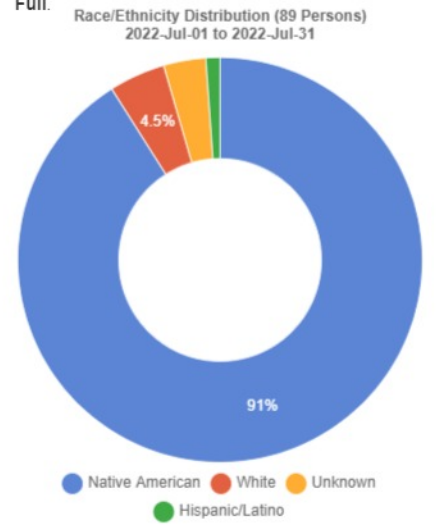
Age and Gender Distribution

 Data filtered based on **Access Levels:** Event = Location.



Race/Ethnicity

 Data filtered based on **Access Levels:** Event = Full.



Bethel Fire Department

Bethel, AK

This report was generated on 8/2/2022 4:27:41 PM



Incident Type per Zone for Incident Status for Date Range

Incident Status(s): All Incident Statuses | Start Date: 07/01/2022 | End Date: 07/31/2022

INCIDENT TYPE	INCIDENT STATUS	# INCIDENTS
Zone:		
511 - Lock-out	Incomplete	1
Zone: 13 - Larson Subdivision and B.I.A.		
151 - Outside rubbish, trash or waste fire	Reviewed	1
Zone: 3 - 3rd Ave, 4th Ave, 5th Ave, 6th Ave, and 7th Ave		
511 - Lock-out	Reviewed	2
631 - Authorized controlled burning	Reviewed	1
Zone: 5 - City Subdivision		
511 - Lock-out	Completed	1
735 - Alarm system sounded due to malfunction	Completed	1
Zone: 6 - ASHA Housing (Bethel Heights)		
113 - Cooking fire, confined to container	Reviewed	1
511 - Lock-out	Reviewed	2
651 - Smoke scare, odor of smoke	Reviewed	1
733 - Smoke detector activation due to malfunction	Completed	1
736 - CO detector activation due to malfunction	Completed	1
Zone: 9 - Trailer Court		
511 - Lock-out	Reviewed	1
651 - Smoke scare, odor of smoke	Reviewed	1

This report gives a count of each incident type for the Incident Status or Statuses selected.



emergencyreporting.com

Doc Id: 384

Page # 1 of 1

Page 1706286

Schedule, Events and Programs

Visit ykfitness.org for the most up to date schedules and information.

Healthy Activities Club registration started in May and the first several weeks of club saw our afternoons at 75% capacity.

As we move into summer we updated our facility hours, offered Summer Pool Memberships, and shared info on our upcoming closure for maintenance.

Starting the week of June 27th we removed all remaining COVID-19 restrictions, but continue to monitor Community Risk levels and will re-introduce mitigation strategies if risk levels return to high status.

Staffing for July and August is becoming very challenging with many of our students out towards the end of the month and few new staff applications received. We are actively hiring for Programming Staff to help finish out the summer and Lifeguards to help us throughout the year.



Free Lifeguard Training Course:
Sunday - Tuesday
August 7-9
10am-6pm

Registration closes August 1



In July we are offering Swim Lessons and will offer Lifeguard Training in August



GROUP SWIM LESSONS Summer 2022 Classes meet July 9th - August 6th				
AGE*	CLASS	Days/Times*	REQUIREMENTS/REMARKS	Fee/1 class
4-5 years	Preschool 1	Wednesdays at 7:30am with life	Swimmers entering this class must be at least 4 years old on the first day of class.	\$50
	Preschool 2	Saturdays at 10:30am with life	Swimmers entering this level must be at least 4 years old on the first day of class. No previous swimming needed. Swimmers should be able to float on their back with eyes in the water with minimal assistance.	
	Level 1	Saturdays at 11:30am with life	Swimmers entering this level must be at least 5 years old on the first day of class. No previous swimming needed. Swimmers should be able to float on their back with eyes in the water and fully submerge their face in the water and fully submerge their face without assistance. Swimmers should be able to float on their back with eyes in the water and on back with eyes in the water and be ready to attempt these skills without support.	
6+ years	Level 2	Saturdays at 11:30am with life	Swimmers entering this level should be comfortable putting their face in the water and fully submerging their face without assistance. Swimmers should be able to float on their back with eyes in the water and on back with eyes in the water and be ready to attempt these skills without support.	\$55
	Level 3	Wednesdays at 7:30am with life	Swimmers entering this level should be comfortable under the water. Swimmers should be able to float on front and back without support for 30 seconds, be able to swim 5-10 yards front and back and be ready to begin attempting skills in deep water. Swimmers entering this class must be at least 6 years old on the first day of class.	
	Level 4	Wednesdays at 8:00am with life	Swimmers entering this level should be able to swim 10-20 yards each of front crawl with side breathing, backstroke, elementary backstroke, and 5-10 yards of freestyle or side stroke. They should also be comfortable in deep water and able to float or tread in deep water for 1 minute.	
	Swim Club	Mondays & Wednesdays 7:30am-10:00am with life	This class is for swimmers familiar with the 4 competitive swim strokes and interested in learning about competitive swimming. Intro to lifeguard training is designed to build a foundation of lifesaving, attitudes, and skills that will enable students to succeed in getting their lifeguard certification. Students should have basic swim skills, be comfortable in deep water, and comfortable along under water.	
14+	Introduction to Lifeguarding	Tuesdays at 7:30am with life	This class is designed for adults with minimal experience in the water. Instruction will begin with the basics of swimming and water safety and progress through the 8 swim strokes as participant abilities allow. No previous swimming experience needed.	\$55
14+	Adult Beginner	Saturdays at 10:30am with life	Swimmers entering this class should be familiar with the basic swim strokes and ready to develop/improve swim technique and endurance. Instructor will work with students to develop and improve stroke technique and water safety skills.	\$65
14+	Adult Intermediate	Saturdays at 12:30pm with life	Swimmers entering this class should be familiar with the basic swim strokes and ready to develop/improve swim technique and endurance. Instructor will work with students to develop and improve stroke technique and water safety skills.	\$65
18+	Lifeguard Training	August 14-15pm	The lifeguard training course teaches the skills needed to become a lifeguard including: First aid, CPR, lifeguard surveillance, and water rescue. Requirements: On the first day of class, participants must be at least 18 years old, be able to swim 300 yards non-stop, tread water for 3 minutes with eyes only, and complete a time trial. To view a copy of the skills test visit http://ykfitness.org/lifeguarding .	\$0

*Participants must meet minimum age requirements by first day of class. See class descriptions for more details.

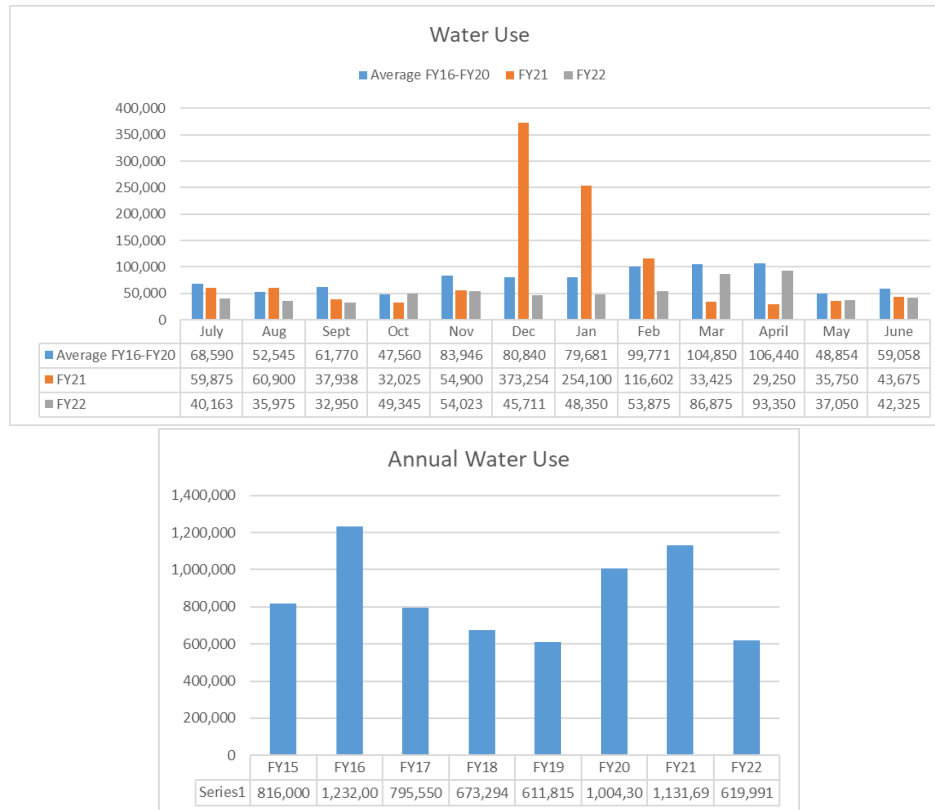


Reduced rates for YKFC Swim Lessons are made possible through generous funding from The American Red Cross Centennial Program and The YK Delta Lifesavers Foundation.

Additional Scholarships may be available for program fees are a lifeguard. Application available at ykfitness.org on the front desk.



Water Use

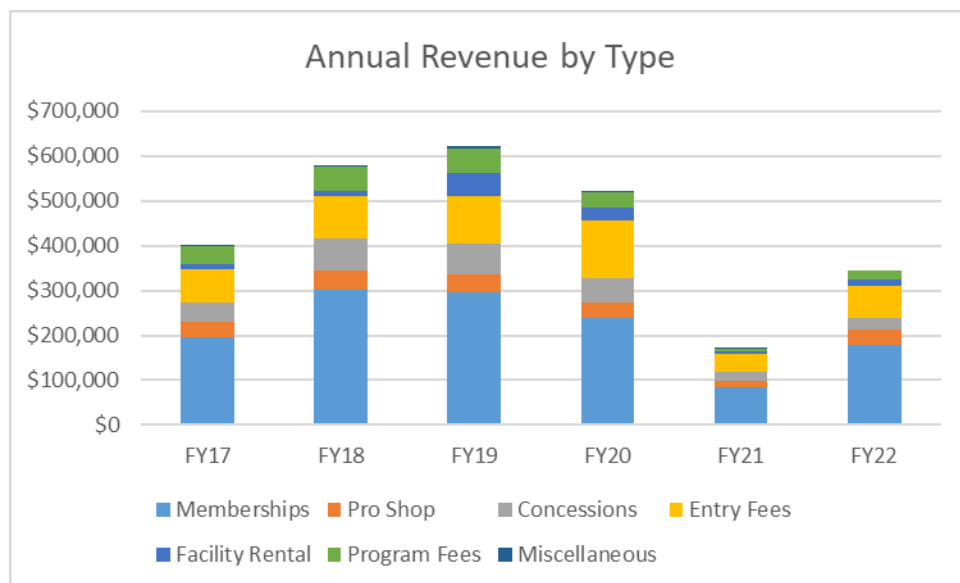
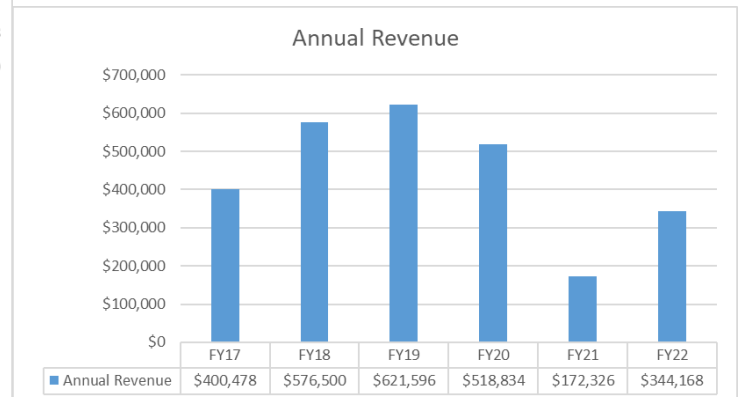
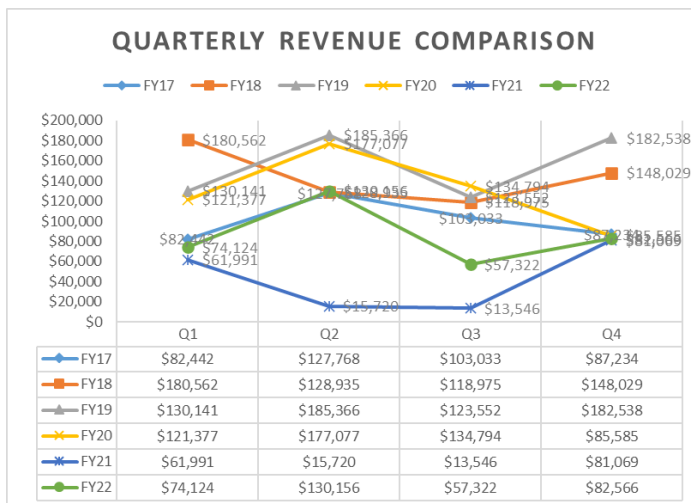
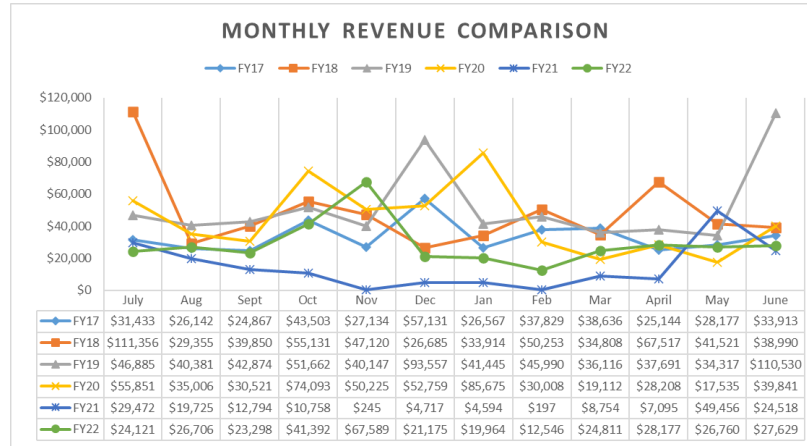


*Note: Facility opened in November of 2014 (FY15). Starting during maintenance closure in Dec 2019/Jan 2020 hot water has been used to keep pipes from freezing resulting in higher-than-normal usage. Water was turned off in late March 2020 once outside temps were consistently above freezing temperatures. Problems again arose in Dec 2020 and water was used to assure there were no freeze ups of facility piping through early March 2021.

Revenue

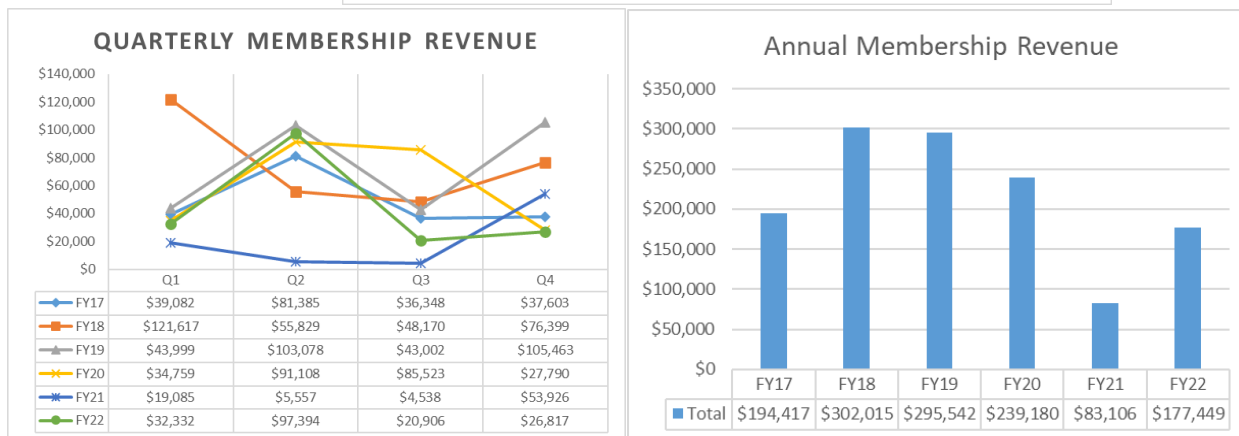
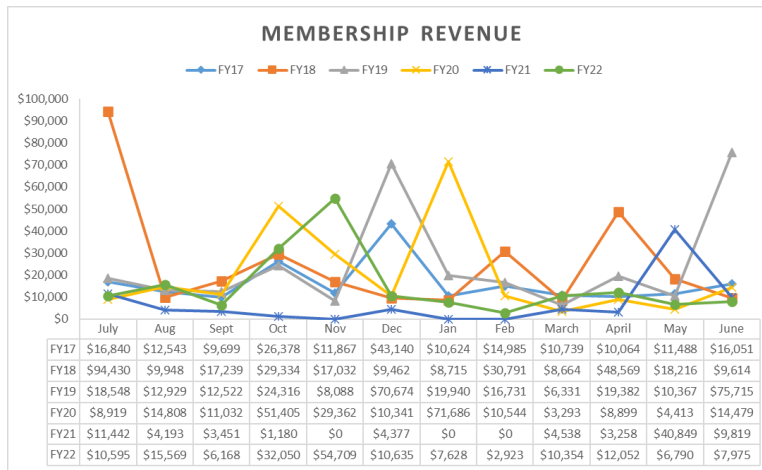
Code	Facility Revenue	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total	FY22 Budgeted	%attained
414	Memberships	\$10,595	\$15,569	\$6,168	\$32,050	\$54,709	\$10,635	\$7,628	\$2,923	\$10,354	\$12,052	\$6,790	\$7,975	\$177,449	\$260,000	68%
430	Pro Shop	\$2,397	\$1,555	\$1,303	\$2,680	\$2,633	\$2,826	\$2,836	\$2,227	\$3,471	\$3,375	\$3,777	\$5,136	\$34,217	\$40,000	86%
435	Concessions	\$1,574	\$1,288	\$1,307	\$1,853	\$2,003	\$2,253	\$2,097	\$2,008	\$2,623	\$3,388	\$3,735	\$3,958	\$28,086	\$60,000	47%
460	Entry Fees	\$7,650	\$1,706	\$12,323	\$3,460	\$6,794	\$4,754	\$4,264	\$4,459	\$5,844	\$8,037	\$5,841	\$6,069	\$71,199	\$100,000	71%
463	Facility Rental	\$630	\$5,672	\$1,692	\$933	\$475	\$240	\$1,317	\$265	\$1,495	\$585	\$335	\$1,049	\$14,684	\$25,500	58%
465	Program Fees	\$1,275	\$917	\$505	\$415	\$976	\$467	\$1,821	\$665	\$1,025	\$741	\$6,284	\$3,443	\$18,533	\$50,000	37%
	Misc (Grants, Donations, Etc.)													\$0	\$0	
	Facility Revenue Total	\$24,121	\$26,706	\$23,298	\$41,392	\$67,589	\$21,175	\$19,964	\$12,546	\$24,811	\$28,177	\$26,760	\$27,629	\$344,168	\$535,500	64%

We achieved approximately 64% of projected revenue, due primarily to the ongoing effects of COVID-19. When the FY22 budget was passed we were hopeful that COVID-19 restrictions would not be necessary, but instead COVID-19 mitigation continued through most of FY22 and we are only now lifting the last of the restrictions and returning to close to normal functioning.

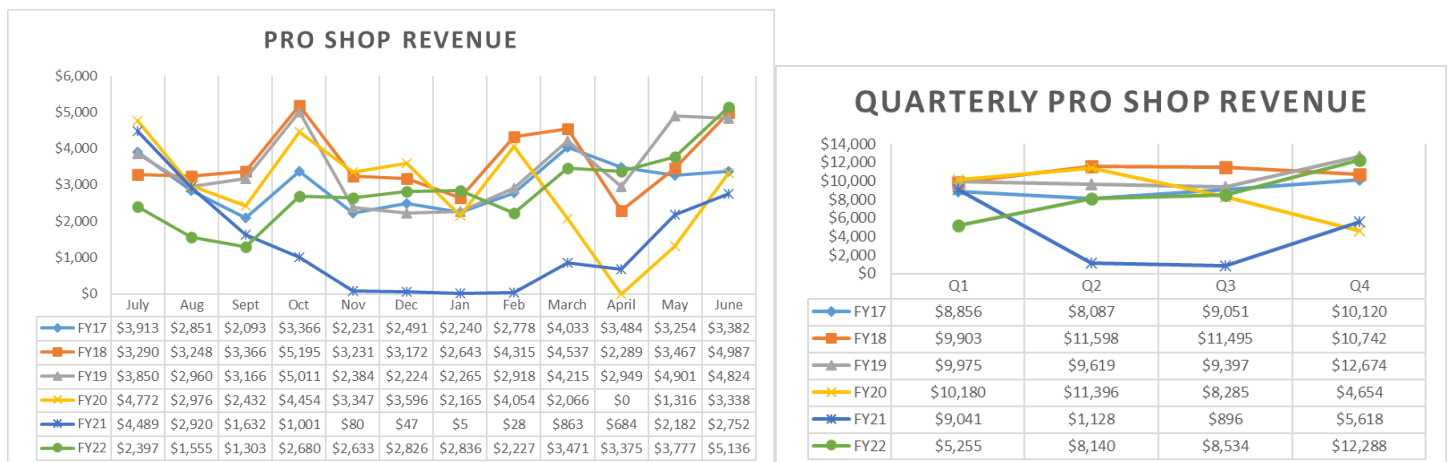


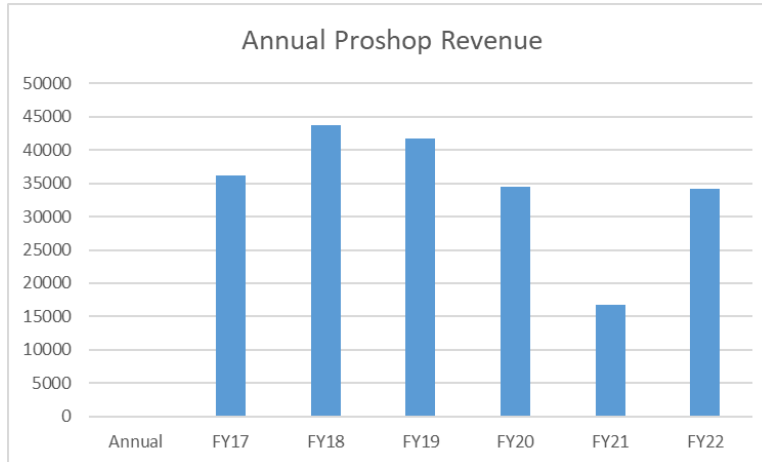
Revenue Comparisons by line Item:

Confidence in growing in the community that we are reaching the end of the pandemic and membership revenue is beginning to re-build.

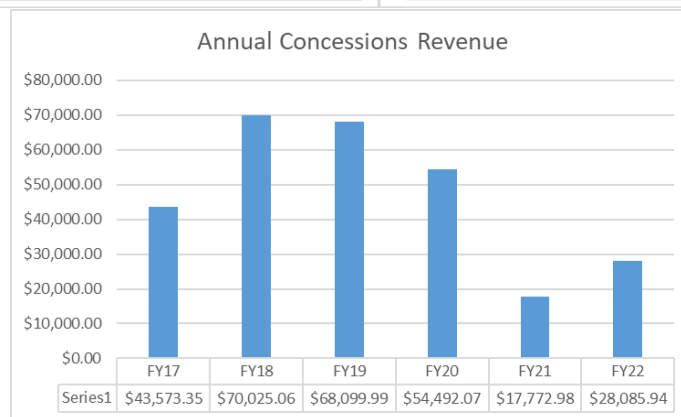
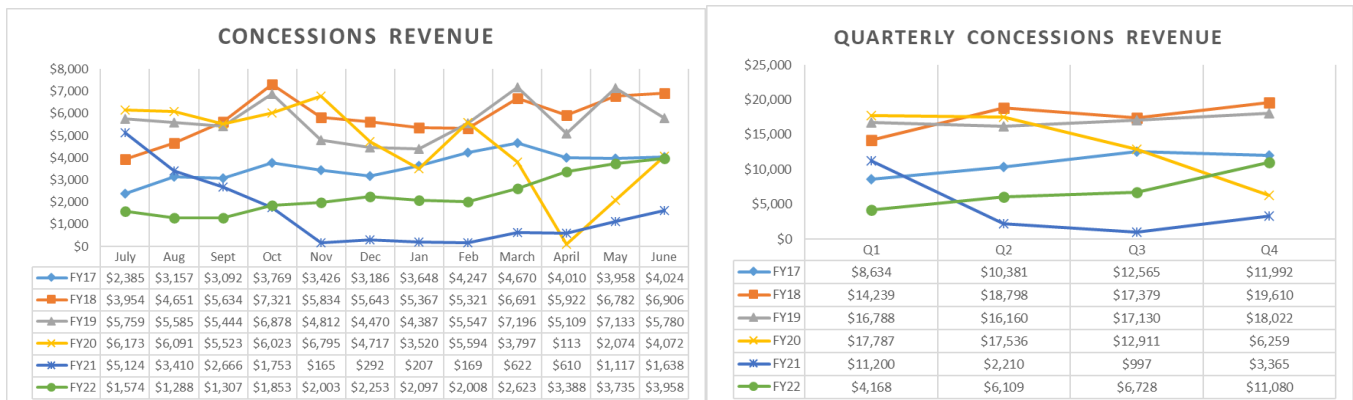


Proshop revenues for June were positively influence by the warm temperatures we experienced that drove many community members to the pool. Many of these individuals needed swimwear and other proshop items for their visits.

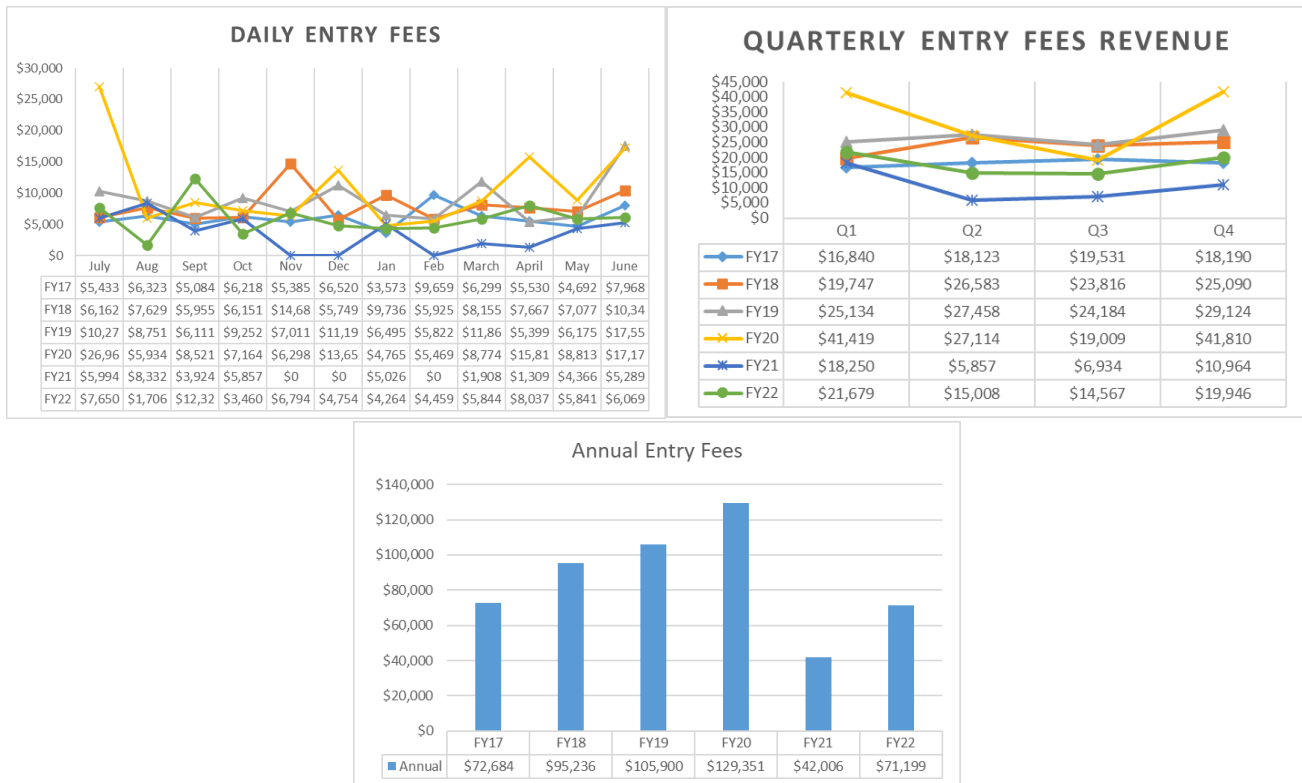




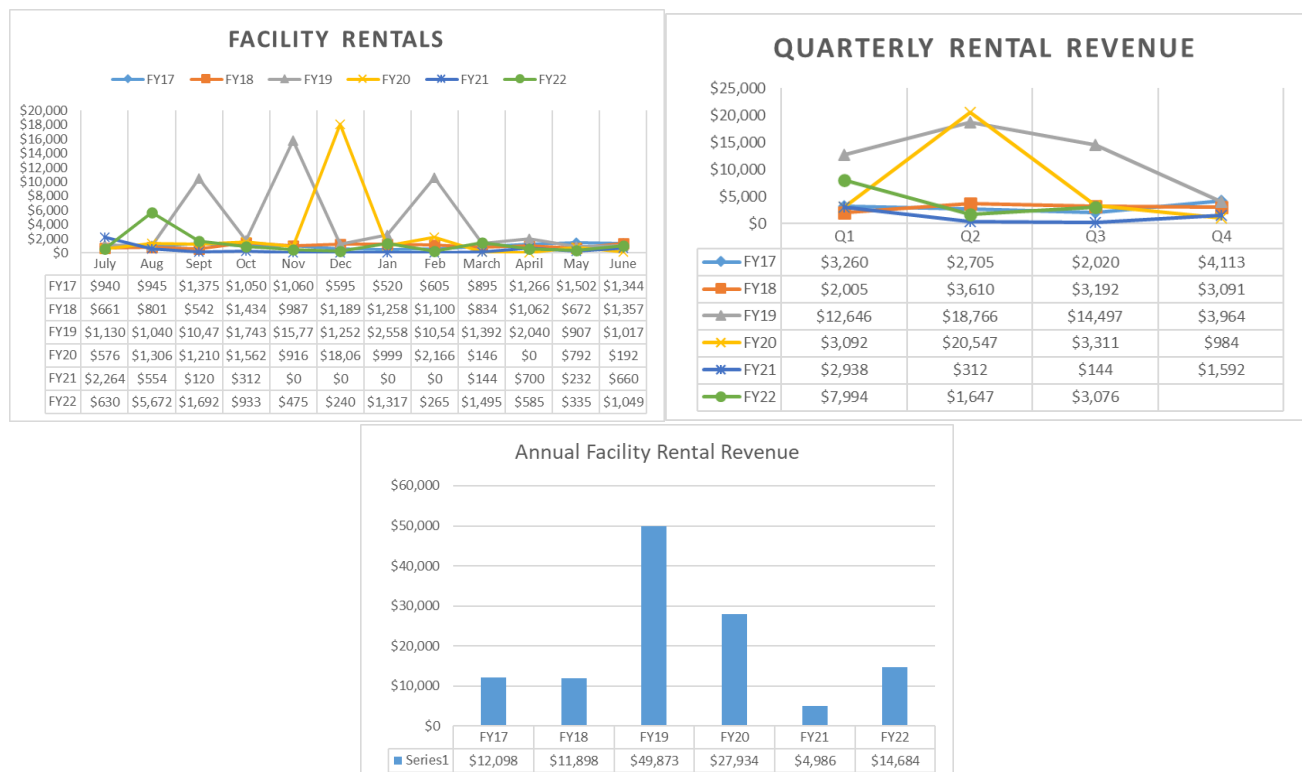
Concessions revenue has started to rebound, but is still only about half of pre-COVID averages due to the combination of ongoing facility restrictions limiting eating, group sizes, and amount of time spent at the facility and supply chain shortages and delivery delays reducing the items we have on hand for purchase.



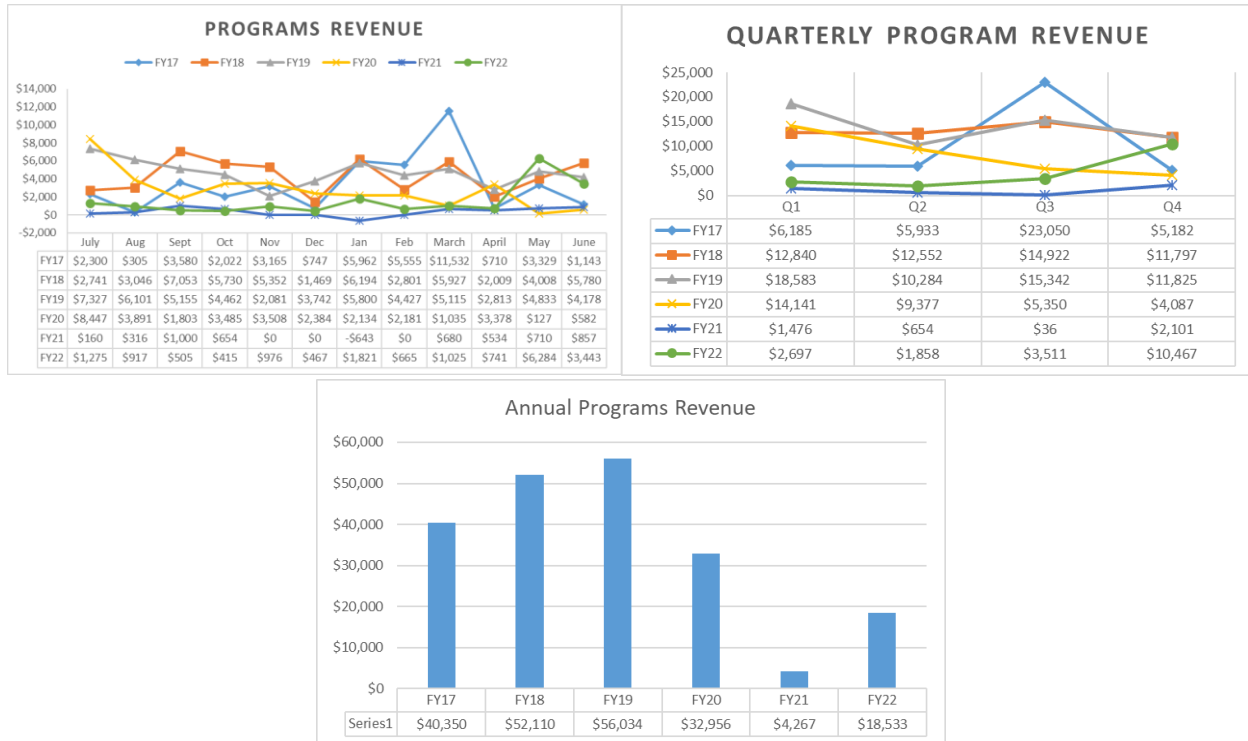
Daily entry fee revenue was positively influenced by the wamr weather, but negatively influenced by the week long maintenance closure.



Facility rental fees will continue to remain low until we are able to resume group rentals and parties. June rental fees include pool rental by the Migrant Education program for June swim lessons.



With the addition of swim lessons and our Healthy Activities Club Program revenues for June are up slightly . Additonal swim lessons and club revenue will be collected after invoiced fees are received from grant funders.

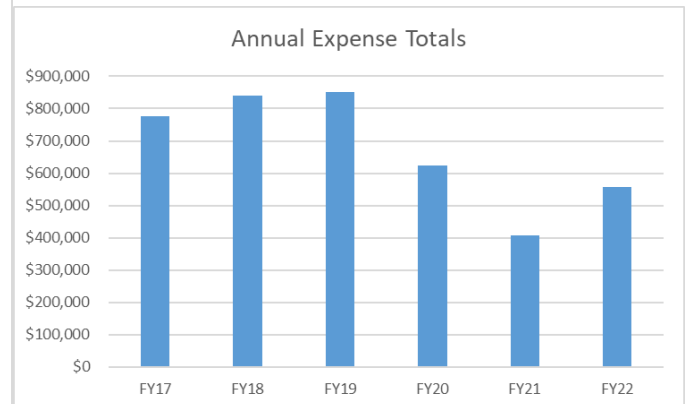
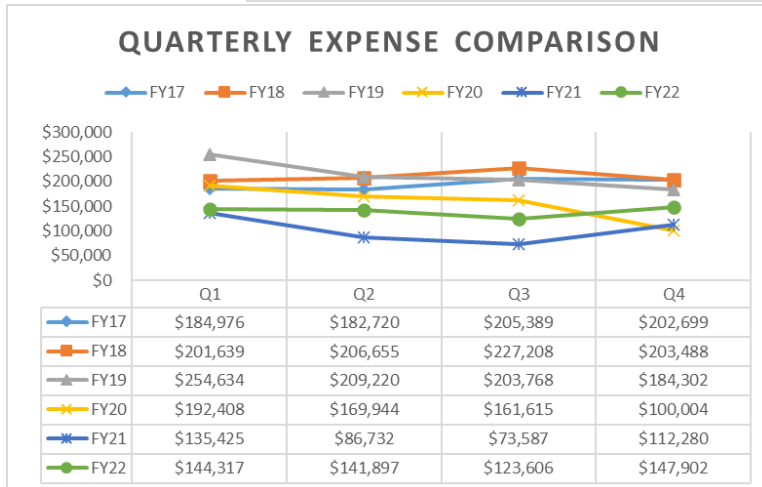
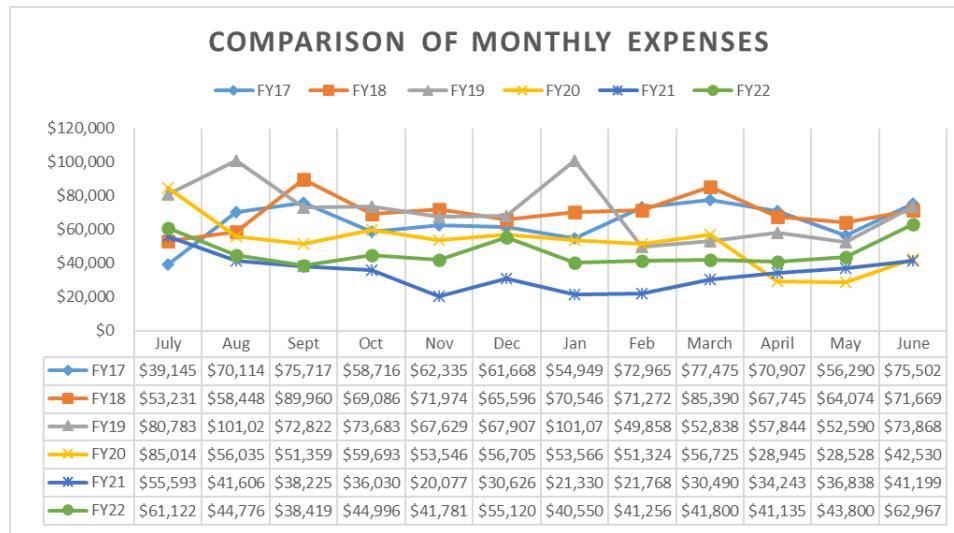


Expenses

	Expenses	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total	Budgeted	% used	remaining
	Wages & Benefits	\$51,354	\$31,937	\$29,545	\$31,483	\$31,019	\$49,085	\$33,536	\$32,691	\$34,299	\$32,211	\$31,653	\$40,591	\$429,406	\$696,442	61.66%	\$267,036
520	Housing	\$2,545	\$2,545	\$2,545	\$2,545	\$2,545	\$2,545	\$2,545	\$2,545	\$2,545	\$1,545	\$1,545	\$1,545	\$27,540	\$42,900	64.20%	\$15,360
545	Travel/Training	\$265	\$0	\$51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$316	\$2,000	15.81%	\$1,684
561	Supplies	\$1,270	\$7,622	\$3,363	\$3,892	\$3,278	\$801	\$1,084	\$3,175	\$812	\$3,592	\$5,626	\$7,000	\$41,515	\$87,000	47.72%	\$45,485
580, 661, 663, 799	Building Maintenance	\$1,364	\$115	\$251	\$257	\$821	\$45	\$710	\$146	\$65	\$457	\$48	\$340	\$4,621	\$30,100	15.35%	\$25,479
668	Software Licenses	\$253	\$329	\$242	\$438	\$707	\$221	\$207	\$133	\$279	\$303	\$284	\$737	\$4,135	\$8,146	50.76%	\$4,011
669	General Expenses	\$4,071	\$2,227	\$2,421	\$6,380	\$3,411	\$2,422	\$2,467	\$2,565	\$3,800	\$3,026	\$4,561	\$9,829	\$47,181	\$35,581	132.60%	-\$11,600
790	Allowance for Special Events	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$51	\$0	\$51	\$1,100	4.65%	\$1,049
799	Unforeseen	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	0.00%	\$2,500
	Other/Non Budgeted	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32	\$2,926	\$2,958	\$0		-\$2,958
	TOTAL	\$61,122	\$44,776	\$38,419	\$44,996	\$41,781	\$55,120	\$40,550	\$41,256	\$41,800	\$41,135	\$43,800	\$62,967	\$557,723	\$905,769	61.57%	\$348,046

* Due to our 2 week pay period structure there are 2 months out of each year in which 3 pay periods fall, skewing wages totals upwards for those months.

**Expense totals do not include purchases for the building that have been made by City of Bethel Property Maintenance or other direct city expenses.



We have actively worked to keep expenses low while still making seasonal purchases, purchases for maintenance and cleaning, and to keep essential proshop and concessions items stocked as well to maintain minimum staffing levels. .

Facility Utilization

Facility Check-In: Facility Check-In numbers represent the total number of patrons who visited the facility and are based on a compilation of the number of members who checked-in, the number of daily passes sold and the number of participants in programs, activities, rentals, and special events. These numbers represent facility visits, not individuals as most individuals visit the facility multiple times over the course of the month.

Facility Check-In	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total
Member Checkins	1,202	1,116	991	1,199	1,263	1,194	1,135	1,098	1,149	1,331	1,058	902	13,638
Daily Admissions	1,119	696	632	724	959	854	822	896	1,230	1,253	1,267	1,319	11,771
Rentals	0	199	109	166	0	0	0	133	5	5	14	225	856
Fitness Programming	40	45	52	69	71	66	69	61	113	89	40	59	774
Aquatics Programming	20	15	11	11	17	12	27	39	56	91	31	21	351
Youth Programs	0	0	0	0	0	0	0	0	0	0	51	329	380
Monthly Totals	2,381	2,071	1,795	2,169	2,310	2,126	2,053	2,227	2,553	2,769	2,461	2,855	27,770

Concerns about CoVID-19 began impacting facility utilization in late February 2020 and continue to the present, but June reached approximately 70% of pre-CoVID-19 normal and we anticipate continued higher utilization rates as we remove the remaining CoVID-19 restrictions.

