

Seldovia City Council
Laydown
September 09, 2019

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NOTES

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September 6, 2019

To: Seldovia City Council

I respectfully request that the Council reconsider its decision to stop Senior Meals.

First, most of the attendees at Sr. Meals are single males. They do not cook for themselves. This is a hardship for them and compromising their health.

Second, several Seniors are homebound and are also being deprived of the variety of cooked meals that Sr. Meals provides.

Third, some of our seniors are at the poverty level and get their meals for free. Their health is also being compromised without access to this food.

Fourth, we have two employees who rely on this income to survive in our town.

Fifth, I am positive that no one will complain if paper and other disposable products are temporarily used, to reduce the need for dishwashing and water use.

So, nutrition or water? Can't we have both with water-saving efforts put into place? Thank you for your consideration of this matter.

Respectfully,



Mary Anne Wilson

**CITY OF SELDOVIA
RESOLUTION 20-06**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SELDOVIA, ALASKA
EXTENDING THE DECLARATION OF LOCAL DISASTER EMERGENCY FOR
DROUGHT**

WHEREAS, the Mayor and City Manager of Seldovia declared a local disaster emergency per AS 26.23.140 to exist in the City of Seldovia due to drought on August 26, 2019; and

WHEREAS, the borough mayor issued a declaration of disaster emergency on August 29, 2019, related to the depleted water supplies causing droughts to exist in both the Native Village of Nanwalek and the City of Seldovia; and

WHEREAS, the declaration seeks state assistance as the severity and magnitude of these droughts is beyond the effective response capabilities of local resources including the Kenai Peninsula Borough; and

WHEREAS, as the droughts are continuing and these communities will require ongoing assistance to alleviate these droughts it is appropriate to extend the disaster declaration; and

WHEREAS, the city council wishes to extend this declaration in the best interests of the public;

NOW THEREFORE: BE IT RESOLVED THAT: the City Council of the City of Seldovia extends the declaration of local disaster emergency previously issued by city mayor on August 26, 2019 regarding the droughts existing in Seldovia for a period of 90 days in order to allow time for a more complete response. A copy of the declaration of disaster emergency extended by this resolution is attached and incorporated herein by reference.

PASSED AND APPROVED by a duly constituted quorum of the City Council of the City of Seldovia, on this 9th day of September, 2019.

ATTEST:

APPROVED:

Heidi Geagel, City Clerk

Dean Lent, Mayor



www.cityofseldovia.com

P.O. Drawer B Seldovia, Alaska 99663 Phone: (907) 234-7643, Fax: (907) 234-7430 email: cityclerk@cityofseldovia.com

CITY OF SELDOVIA
PROCLAMATION OF EMERGENCY
DISASTER DECLARATION
PUBLIC WATER SOURCE DEPLETION- *as amended*

WHEREAS, record high temperatures and lack of precipitation across the State of Alaska have depleted the City of Seldovia's watershed source; and

WHEREAS, the City of Seldovia's public water system's limited water supply is rapidly diminishing and there is not a foreseen renewable source of water forthcoming in the immediate future; and

WHEREAS, the City of Seldovia has issued water conservation notices and has taken preventive measures within the city to limit water usage; and

WHEREAS, it is anticipated with the projected dry weather forecast and current public usage rates that the finite amount of water currently available to the City of Seldovia's public water system will continue to dissipate until depletion in the immediate future; and

WHEREAS, this emergency exceeds the financial capabilities of the City of Seldovia; and

WHEREAS, The City of Seldovia is a political subdivision within the Kenai Peninsula Borough and the State of Alaska; and

NOW THEREFORE BE IT RESOLVED that the Mayor and City Manager of the City of Seldovia do declare a Local Disaster Emergency per AS 26.23.140 to exist in the City of Seldovia, effective August 26, 2019.

FURTHERMORE, support and assistance is requested from the Kenai Peninsula Borough and the State of Alaska to help the City of Seldovia mitigate the public water source depletion local disaster in the form of public assistance, resources for both individuals and the public water source, and other emergency resources to help the City in its response and recovery from this event.

FURTHER, the City of Seldovia designates the City Manager, Cassidi Cameron, as the Local Disaster Emergency Authority during this event and authorizes the City Manager to take necessary measures on behalf of the City of Seldovia in order to effectively respond and mitigate this local disaster.

Signed this 28th day of August, 2019.


Dean Lent, Mayor




Cassidi Cameron, City Manager



P.O. Drawer B Seldovia, Alaska 99663 Phone: (907) 234-7643, Fax: (907) 234-7430 email: citymanager@cityofseldovia.com

***Seldovia Water Shortage Update and Outlook
September 9, 2019***

In the last three days there has been a positive shift in our water supply situation. Between September 7th and September 8th, our area received 0.55" of rain; the community's consumption is staying steady at around 90,000 gallons per day. We began to see the 90K consumption range the 27th of August, and since then, the average daily consumption is 91,139 for the last 12 days. In those twelve days, we have also seen fluctuating reservoir levels; it decreased a half inch each day but then began rising at an average rate of 0.5" over that time period. These are all very encouraging numbers.

Reservoir Max Average Capacity: 3.65 Million gallons

Estimated water supply; estimation based on last 30 days of consumption: 17.61 days

Estimated Reservoir Capacity as of 9/9/19: 2.674 Million Gallons

Community Daily Consumption as of 9/9/19: 88,598 a decrease of 1,650 gallons from the previous day.

Water Treatment Plant, Turbidity, and Its relation to the Reservoir Level

There are three water filters in the water plant. They are designed to filter the raw water as it is received from the reservoir. The raw water is generally pretty clean, as raw water goes. There are times when it is exceptionally dirty – or turbid. During rain events, certain times of the year when leaves fall from trees into the reservoir; the decomposing material is in that raw water creating a more turbid environment.



When the water levels of the reservoir drop, the water gets more turbid. The raw water becomes concentrated, as the ratio of solids to water increases. The filters can handle a short-term high turbidity event (up to 50 NTU raw water turbidity) however, it is not advised to operate them that way for an extended period of time. The maximum raw water turbidity is

generally 10 NTU. In the last ten days, the average raw water turbidity has been .72; with the high being 1.442 on September 9, 2019. Prior to the drought and water supply emergency, the turbidity averaged .1405, .6 points lower than what we have been seeing recently with the receding water supply. With precipitation events, raw water turbidity increases.

Once the raw water turbidity begins to rise, the more frequent our water operators need to backwash. There will be a certain point where there will be a significant amount of water wasted during the backwash because it takes more water to clean the filters. Subsequently, there could also be a certain point where our filters will not be able to filter at all due to the concentration of the raw water turbidity.

We are carefully tracking the raw water turbidity and filter performance; with the lowering of the water supply, the turbidity is increasing. We are tracking the data and trying to estimate at what level of the reservoir will our filters work the most efficiently and at what level are they going to cease working due to the high turbidity.

Currently we have approximately 2.6 million gallons of water in our reservoir; we realize that there is only a certain amount of that that is usable. The water level is still above the first intake, but we know that once it dips and starts going below the first intake, there is only a matter of time that the water becomes too dirty for our water plant to efficiently filter the water and then there is a point that it won't filter at all. This is concerning on many levels.

Specific questions we are trying to answer:

- At what level of turbidity will the plant be unable to make water?
- What level of turbidity will cripple the system?
- At what point will we need to stop filtering water and supplying the community with filtered water?
- How much silt and debris are on the bottom of the reservoir?
- What is the depth of usable water?
- How much precipitation does our area need to receive in order to have our reservoir at a "normal" operating level?



Intake Valves and Water Level

Now what?

As of September 3, 2019, the US Drought Monitor considers our region to be in a Severe Drought status. According to its drought predictor for September, it does forecast that the drought will remain but improve throughout the month. While we have had period precipitation and lower temperatures seemingly normal for this time of year, and it seems we are moving forward to a partial rehabilitation of our reservoir level, we are still uneasy as the reservoir is still well below the average level and is minimally recharging.

The week of September 23rd, Alaska Rural Water Association, Kevin Schoneman and his colleague, Sarah will be in Seldovia. They will be auditing our water utility system with their leak detection equipment. We look forward to their visit and assistance to our community, particularly during this time. Because of our aging infrastructure and recent seismic activity, we anticipate another group of leaks to be identified. This knowledge will help us move forward and repair leaks in the system which will directly impact the GPD of our community. It is still yet to be determined whether their equipment and schedules will allow for private property owners to access the leak detection equipment.

We continue to be concerned for the immediate future of our water supply. What will happen when if cold temperatures arrive and our reservoir has not recovered? What can we expect in future years to come? KPB EOM and COS are working

We are looking for solutions to mitigate and take measures to plan for the future. Funding opportunities are being sought to begin the study of our water system and watershed, as well as looking at the possibility of alternative water sources, infrastructure funding sources, dredging, increasing size of current reservoir, etc.


CONCEPTS, IDEAS and PROPOSED SOLUTIONS:

-
- Dredging reservoir
 - Building dam wall height up to increase capacity
 - Drill commercial well
 - Repair distribution line from reservoir to water treatment plant
 - Redirecting watershed sources
 - Fish creek as back up
 - Alternative back up water sources?
 - Repair and replace failing and aged infrastructure
 - Water meters
 - Desalination plant
 - Additional backup water storage tank
 - Assist property owners in identifying possible leaks on their property; education campaign regarding water conservation and usage.
 - Year around Non-Potable water stations; catchment systems

MISC ITEMS

Our office received a call from Alaska Glacier Water Products; they are graciously donating a pallet of bottled drinking water to Seldovia; SCYSCO Corp is graciously donating the freight services. CISPRI has also reached out with offering ways they may help us with the water shortage; as well as TOTEMaritime. We are extremely grateful that these two organizations reached out to our community to assist Seldovia in a critical time— very awesome.

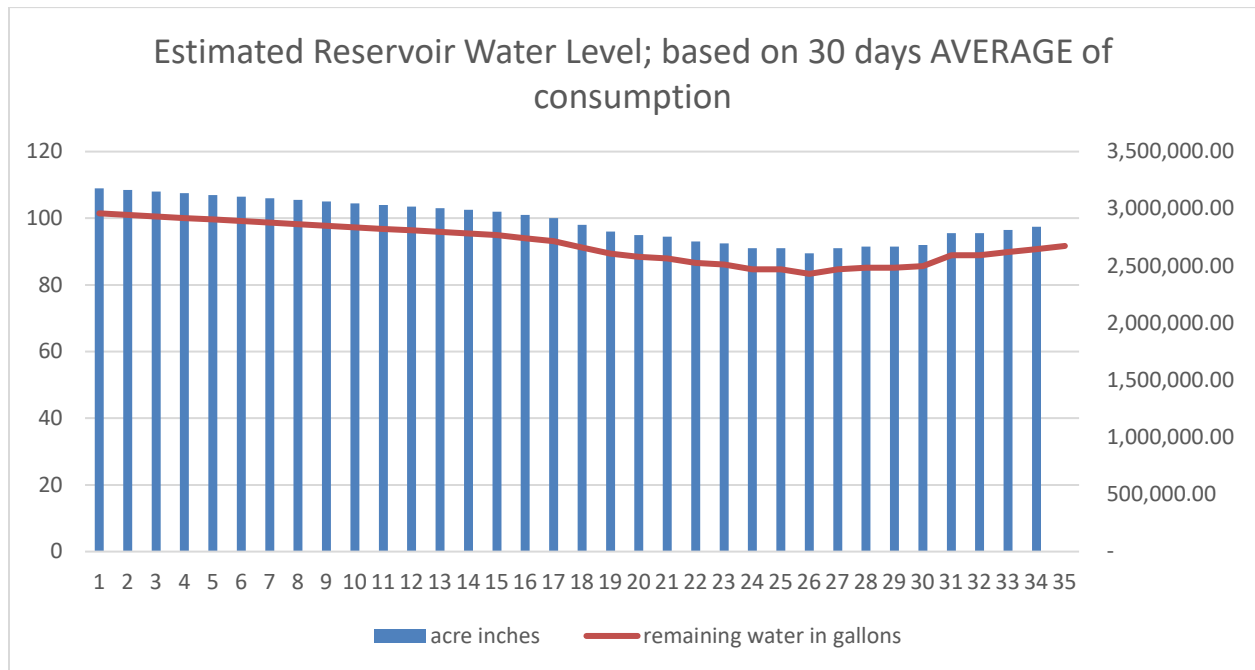
Thank you for your continued support, encouragement, engagement and conservation efforts – Seldovia is better because of it.

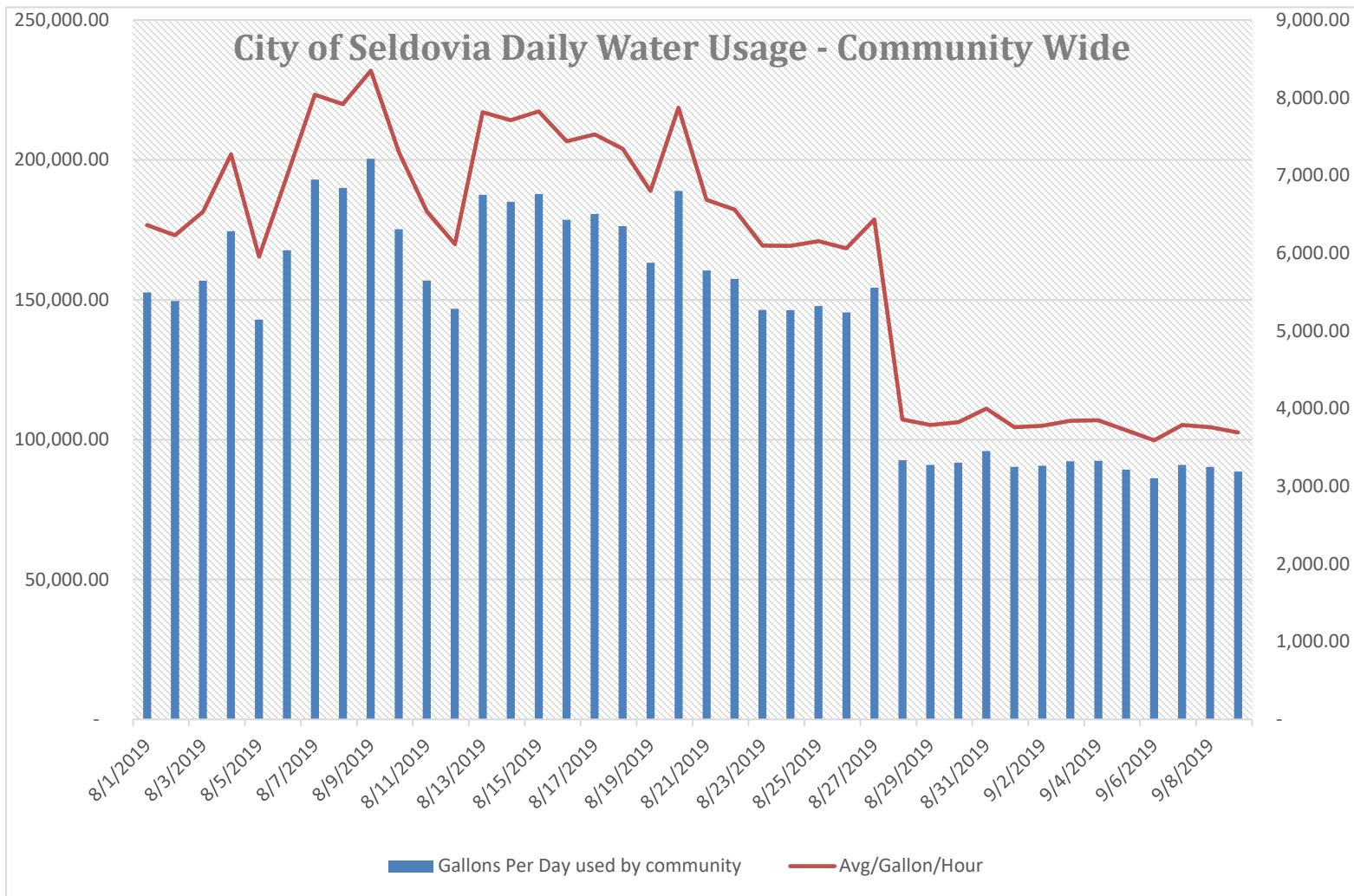


There is no power for change
greater than a community
discovering what it cares about.

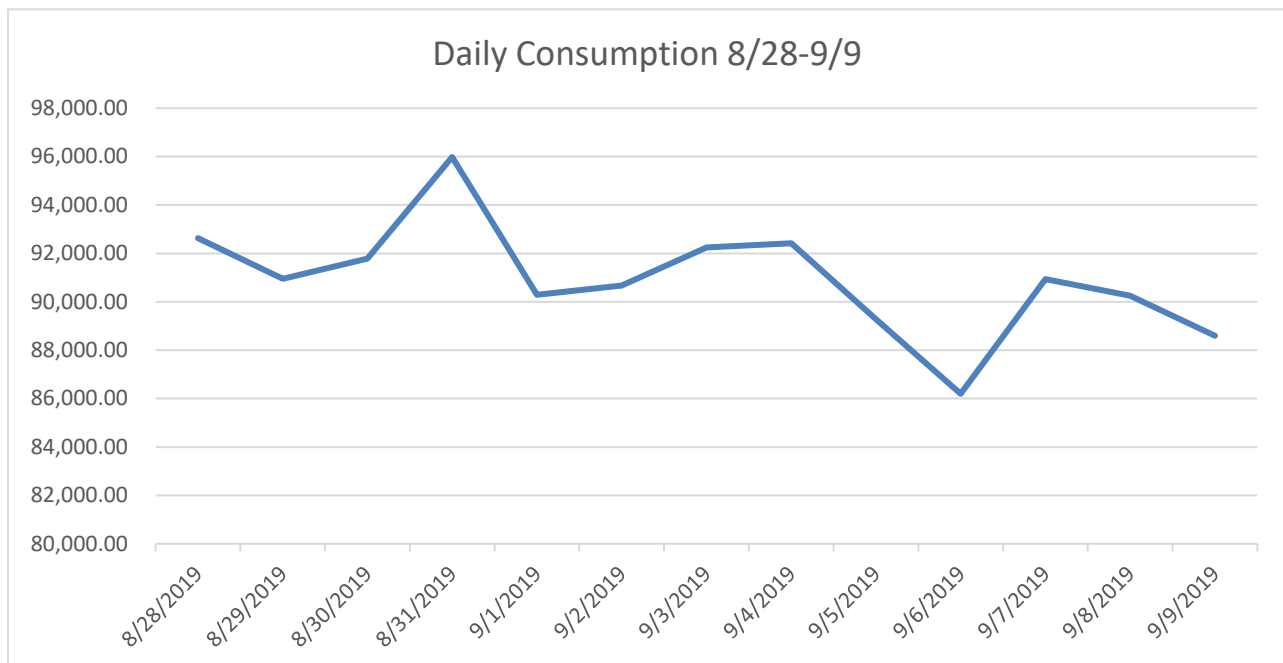
Margaret J. Wheatley

quotation





Expanded Community Consumption Detail of 8/28-9/8:



From: [Nelson, Dan](#)
To: [Cassidi Cameron](#)
Subject: Fwd: Long-term out look for precipitation before freeze-up
Date: Friday, September 6, 2019 1:52:19 PM

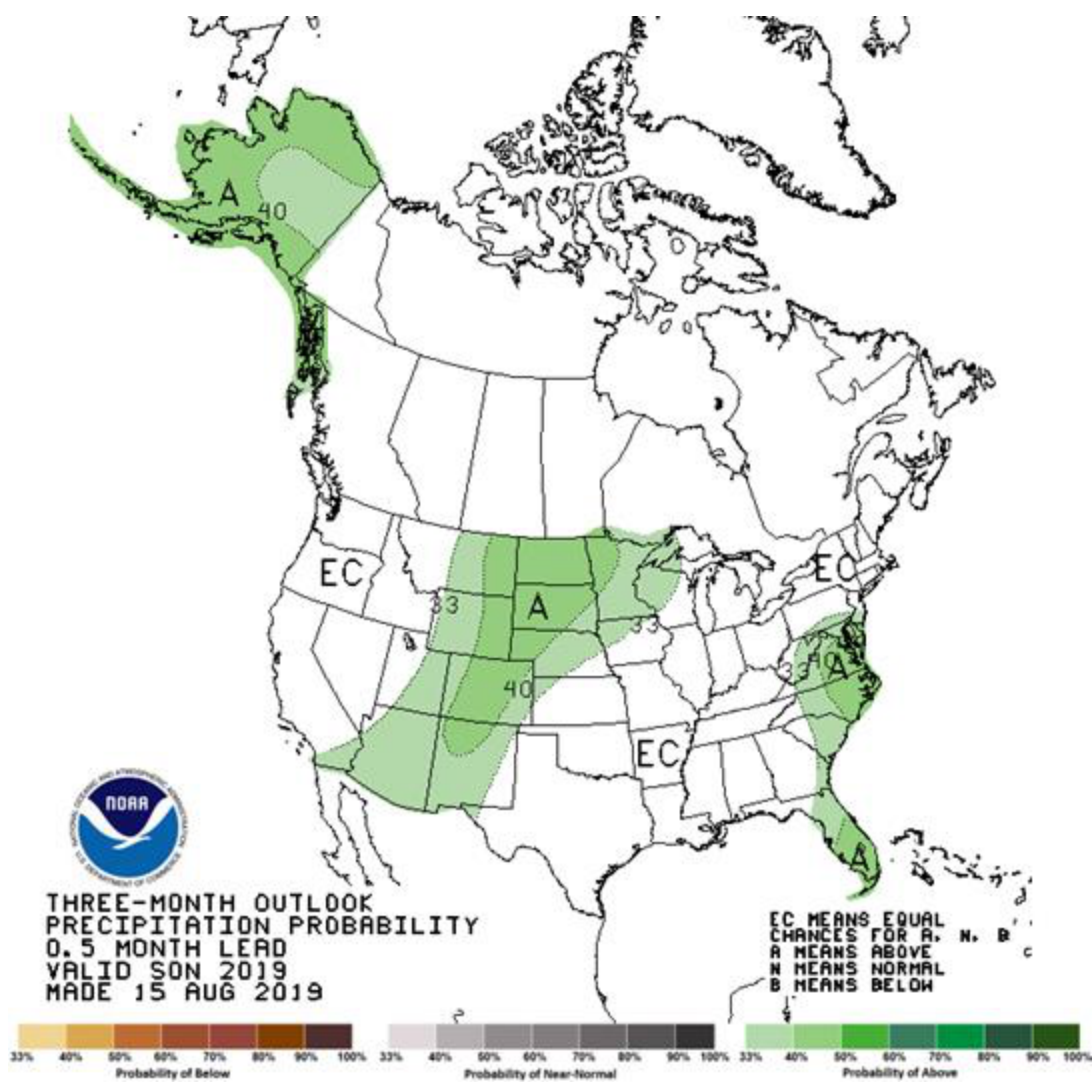
From: Louise Fode - NOAA Federal [REDACTED]
Sent: Friday, September 6, 2019 12:16 PM
To: Gamble, Jade <jgamble@kpb.us>
Cc: Celine Van Breukelen - NOAA Federal [REDACTED]; Crane Johnson - NOAA Federal <[\[REDACTED\]@noaa.gov](mailto:[REDACTED]@noaa.gov)>; Eugene Petrescu <[\[REDACTED\]@noaa.gov](mailto:[REDACTED]@noaa.gov)>
Subject: Long-term out look for precipitation before freeze-up

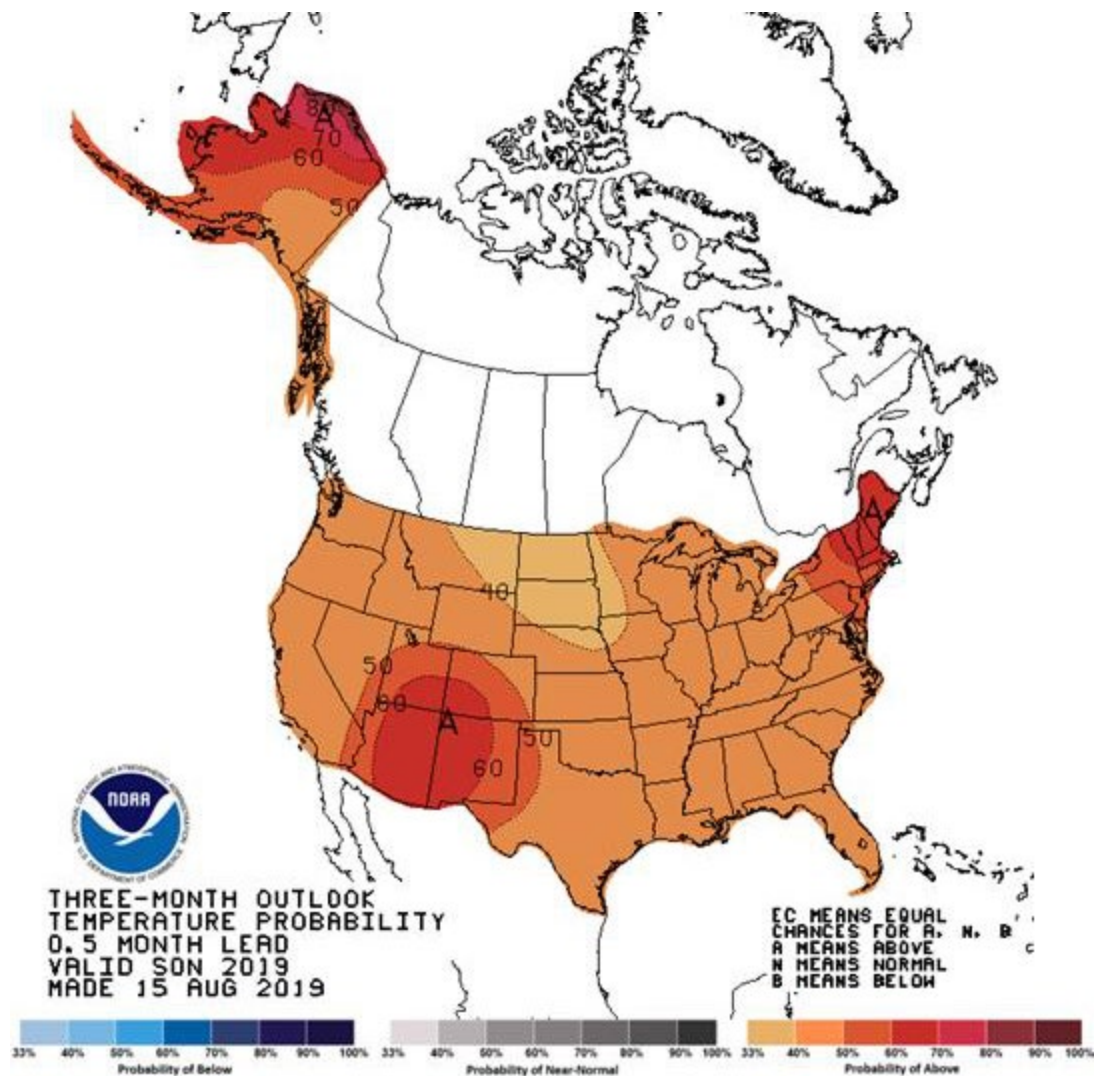
Hi Jade,

Just following up our previous conversation with an email.

The ability to forecast and track any individual storm really only extends out to about 2 weeks. However, after the one week time period, confidence in the extended forecast, and precipitation amounts for any location in particular, is very low. Our confidence in forecast precipitation amounts is highest up to about a week out.

Regarding the question of whether Seldovia and Nanwalek will be able to make it back to normal precipitation levels by freeze-up, that question is very difficult to answer. Right now, our Climate Prediction Center is showing that we have a 50% chance of above normal temperatures and a 40% chance of above normal precipitation over the next three months (see below). However, as you can see from the graphic, their forecast is very broad and doesn't take into account the nuances of topography around certain points. Given that, my confidence in this long-term forecast for Seldovia and Nanwalek is low.





Overall, the weather pattern for the next two weeks indicates that we'll continue on our current path: transient low pressure systems that bring periods of rain, but not large accumulations. At this time of year, we frequently see large accumulations of precip around Southcentral either due to a former tropical system moving in from Japan, or a jet stream connection to the tropics (a "Pineapple Express"). Neither of these features is present in the long term forecast at the present. So I believe we will continue to see low-to-average amounts of precipitation in the storms moving through.

A mitigating factor is that I do not expect an early freeze up this year. The two week forecast does not indicate an unusual influx of cold air, and both the CPC forecast and trends would indicate a warmer than normal fall. So this should allow some time for southern KPB to accumulate precipitation.

An interesting consideration that we did not discuss on the phone: while looking at the statistics for Nanwalek and Seldovia, I found that this is not the driest year on record. 2007 was drier for both locations, and drier earlier in the year than we were this year (May had an unusually high amount of precipitation). I don't know the history of the basins that year, but I think a factor this year was also the unusually high temperatures over the summer, which would have lead to both

increased evaporation and an increase in water usage for the summer. These are things that should probably be considered as you look at long term plans. Trends indicate that we will continue to see warmer conditions year round as our climate changes.

Let me know if you have any additional questions. I will be in touch as we work on something that may be helpful for communities to monitor their drought status in the coming weeks.

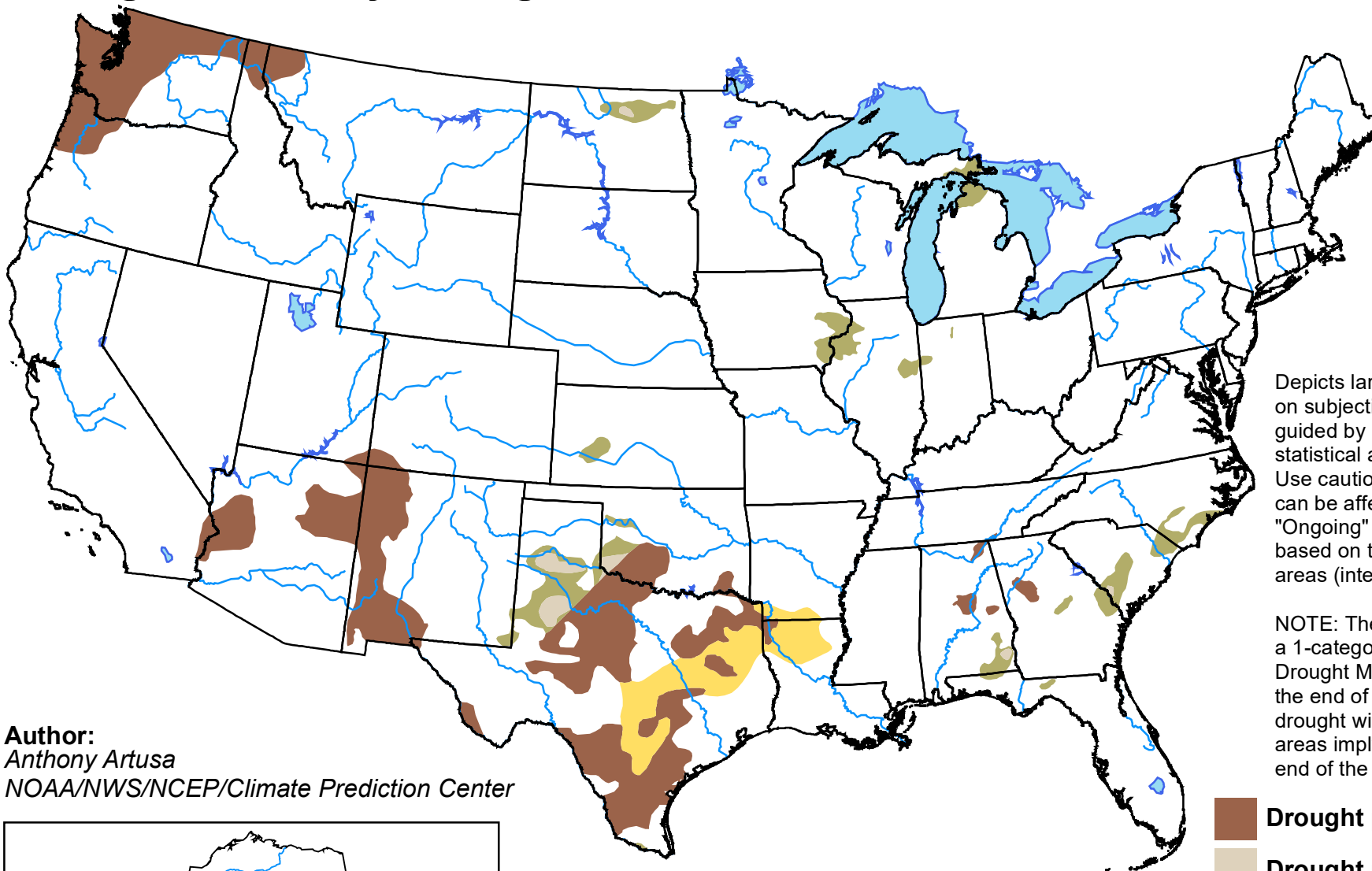
Louise Fode
Warning Coordination Meteorologist
[National Weather Service - Anchorage Forecast Office](#)
Office Phone: [REDACTED]
Mobile: [REDACTED]

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U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

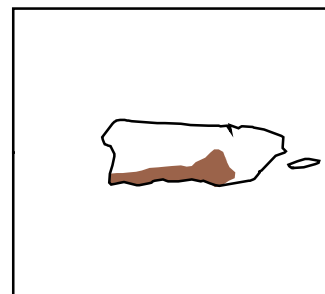
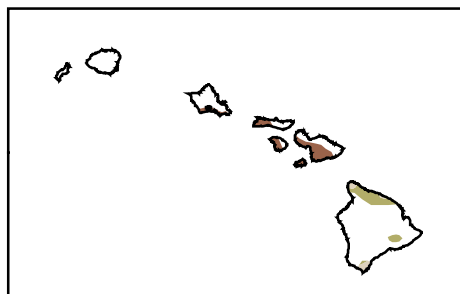
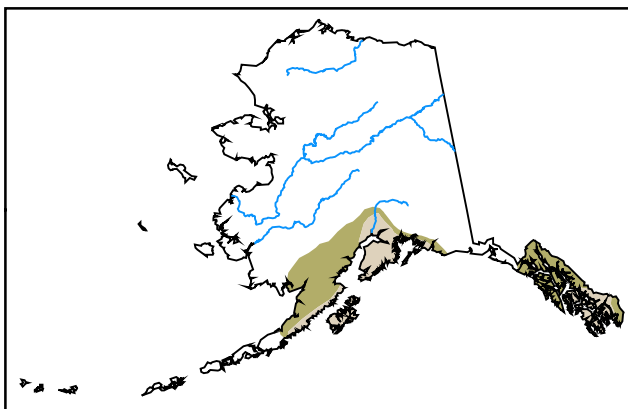
Valid for September 2019
Released August 31, 2019







Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Anthony Artusa
NOAA/NWS/NCEP/Climate Prediction Center

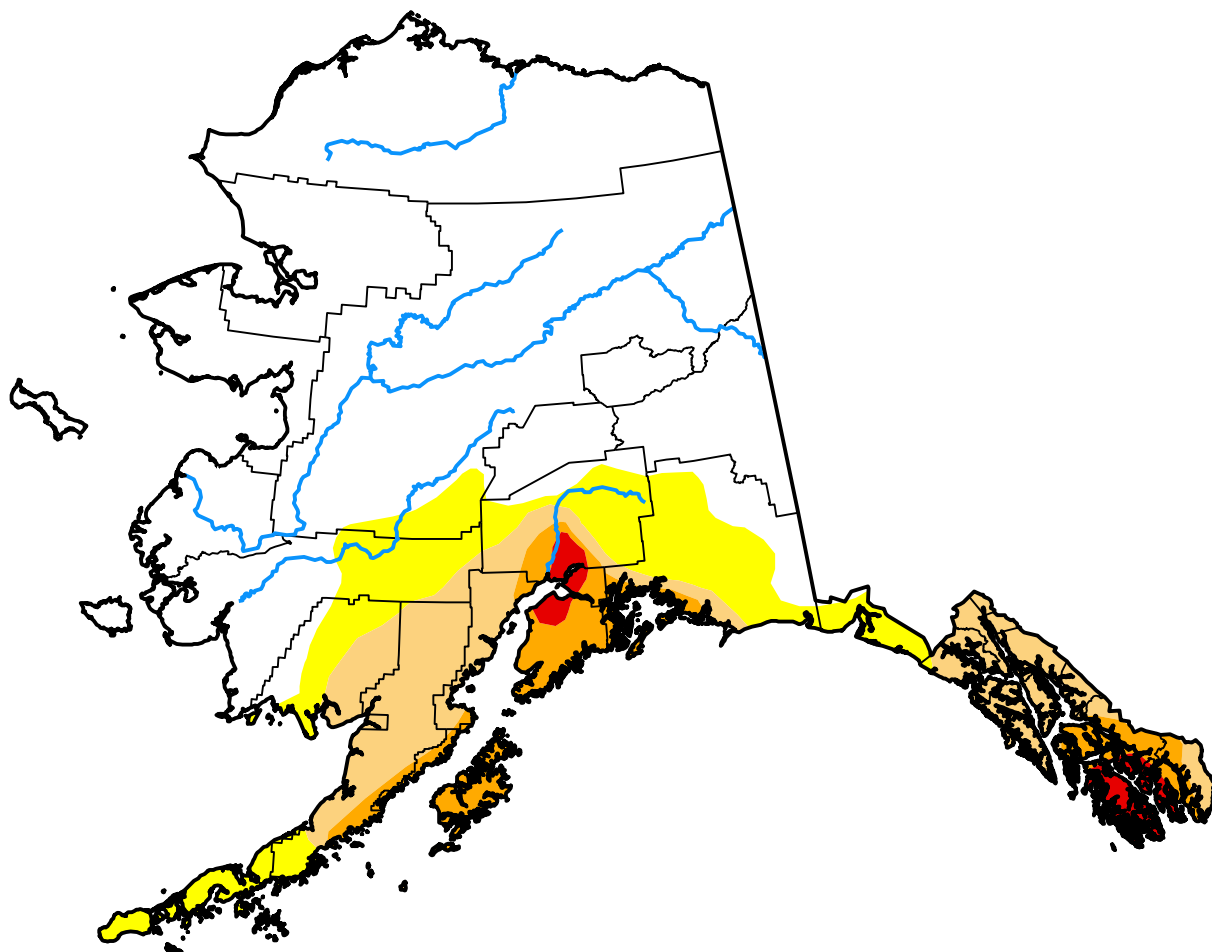


-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



U.S. Drought Monitor Alaska

September 3, 2019
(Released Thursday, Sep. 5, 2019)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	69.10	30.90	17.84	6.77	1.50	0.00
Last Week 08-27-2019	66.67	33.33	17.84	6.77	1.50	0.00
3 Months Ago 06-04-2019	94.17	5.83	2.78	1.65	0.88	0.00
Start of Calendar Year 01-01-2019	94.17	5.83	2.35	1.02	0.00	0.00
Start of Water Year 09-25-2018	95.65	4.35	2.34	2.06	0.00	0.00
One Year Ago 09-04-2018	95.65	4.35	2.34	0.00	0.00	0.00

Intensity:

 None	 D2 Severe Drought
 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Miskus
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu



Office of Emergency Management

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Charlie Pierce
Borough Mayor

SITUATION REPORT – 2019 Water Shortages

KPB Incident# 20W1

September 5, 2019

Village of Nanwalek

Situation Briefing:

The Village of Nanwalek has experienced low water levels in their reservoir due to continued hot and dry weather conditions. The village utilizes an open reservoir as it's water source that is treated and distributed to the community. On August 28, 2019 the reservoir level was below that of the water intake.

Currently, the village is dependent completely on bottled water for daily needs. Various organizations such as Chugachmiut and the Kenai Peninsula Borough School District has shipped bottled water to the community.

Short-Term Actions and Needs:

Water has been shipped to the community. In the short term, this has been the only identified solution for the needs of community residents, of which there are approximately 260. There have been at least two shipments for the general community, with two more for the school and clinic staff specifically.

Long-Term Actions and Needs:

Technical expertise to evaluate any alternatives water sources will be required. The Borough does not have in-house expertise to evaluate additional water sources. In addition, a mid-term action plan will need to be formulated if sufficient precipitation doesn't recharge the reservoir prior to freezing temperatures.

Resource Requests:

Bottled water for short-term use – KPB OEM is preparing a shipment as of September 5.
Technical assistance for long term planning

Conservation Measures:

Water is being collected from the lagoon for uses not requiring potable water quality such as flushing toilets. The backup water source, Small creek, has also dried up in the last week.

Water distribution operator reports that as of the week of Aug 19 all identified leaks in the distribution system have been repaired. The distribution system currently has a project in the works for next year to replace the entire distribution system.



Nanwalek Reservoir



Nanwalek Intake August 28, 2019

City of Seldovia

Situation Briefing:

The City of Seldovia currently uses an open reservoir as their water source. The reservoir feeds to a modern treatment plant which then distributes water to the community. According to estimates, there is approximately 16 days of water remaining in this reservoir. Due to the continued hot and dry weather, it has not been able to recharge as would have occurred during normal seasonal weather patterns.

Of great concern is the continued dry weather pattern that could result in little precipitation before the onset of freezing temperatures and winter conditions. Additionally, although there is approximately 16 days of water in the reservoir, not all of that water is usable. Due to increased turbidity, there will be a point where the water treatment plant is not able to filter the water in the reservoir. It is not known at what point this will occur.

Short-Term Actions and Needs:

The City of Seldovia has shipped in several containers of bottled water for distribution in the community. One shipment was being distributed on September 4 with another scheduled to arrive on Sunday September 8. 5 gallons of water per household was distributed in addition to conduct of an extensive water conservation campaign.

Technical expertise with leak detection has been requested and is pending through the city. All known major leaks have been previously repaired.

Long-Term Actions and Needs:

The city requires a long-term plan to respond to this and other similar shortages if the weather patterns experienced this summer and fall continue. If the reservoir does not recharge prior to the onset of freezing weather, it is likely this shortage will continue throughout the winter months at a minimum. Discussion was held if there was a possibility of drilling a well or utilizing another water source. There are complex requirements to perform any of those actions from a planning, engineering, and regulatory standpoint.

Requests:

Technical assistance for long term planning

Conservation Measures:

Public meetings and outreach regarding water conservation is ongoing. Non-potable water has been made available for other uses to reduce the draw on the reservoir.



Seldovia Dam Face – Black line shows normal water level



Seldovia Reservoir

Contacts

KPB: Dan Nelson, Emergency Manager
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(907) 262-2098
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Nanwalek IRA Council
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gwen@chugachmiut.org

Seldovia: Cassidi Cameron, City Manager
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City of Seldovia Water Shortage Management Plan DRAFT

Findings:

- A. In order to maintain a supply of safe, treated water for the City of Seldovia's citizens and businesses and to meet fire protection needs during periods of either low water supply or high water use, it is necessary to implement a water shortage management plan which identifies specific actions to be taken by the City of Seldovia to manage water available for distribution.
- B. The City of Seldovia has limited water storage capacity. The maximum capacity of the reservoir is estimated at 16.0-acre feet (5.21 million gallons). The average ("normal") capacity of the reservoir is 11.2-acre feet (3.65 million gallons). Of that _____ is usable. The storage tank located at the water treatment plant property holds 500,000 gallons of water, with tank level at 22 feet.
- C. Seldovia is located in a temperate climate with an average annual rainfall of 44 inches. Drought conditions periodically occur and practices to conserve water are necessary.
- D. High demand coupled with drought conditions and/or water system constraints may reduce water available to Seldovia's water supply system to the point of creating a water shortage;
- E. The City of Seldovia has developed a water shortage management response plan that is a layered contingency plan that provides for a systematic response, restricting customer water use, and moderating water waste to meet the essential needs of the community.
- F. It is necessary to provide the City of Seldovia staff with flexibility to implement measures to restrict water use as deemed appropriate to conserve the water

supply of the City of Seldovia, to protect the health, safety and general welfare of the citizens during periods of potential water shortage.

Purpose and Intent:

It is the purpose and intent of this part to proactively establish procedures for systematically managing water demand through conservation measures and measures designed to limit water use during a system constraint or hydrological-related shortage. The procedures listed in this part are designed to be used during atypical and irregular events, and are not intended for use as a substitute for developing water supply projects.

Waste of Water Prohibited:

No water conservation shall allow, permit or cause the waste of water, which shall include any use of water in violation of this part.

Authorization:

- A. The City Manager, along with the Public Works Director and Water Department staff are authorized to enforce this part.
- B. The City Manager may declare a Stage I, Stage II or Stage III shortage when either a hydrologic or emergency shortage exists as defined below:
 - 1. Hydrologic Shortage: a hydrological shortage exists at a point that the draw down from the reservoir exceeds the input from the watershed
 - 2. Emergency Shortage: an emergency shortage exists when conditions such as storage tank levels, operational constraints, infrastructure failure, natural disaster, regulatory issues or other factors hinder the City's ability to meet customer water demands.
- C. The City Manager may propose and implement additional water shortage response measures, beyond those contained in this part, or modify existing water shortage response measures, as deemed necessary.

Action for Hydrological Shortage:

If the total reservoir system storage is projected to be below _____ of demand, then City of Seldovia staff will conduct an analysis. The analysis will consider system demands, water supply indicators such as long-range weather forecasts, snowpack, precipitation, temperature, evaporation, stream flow, soil moisture, projected storage levels, operational constraints, and risk tolerance. If the analysis reveals a substantial risk of shortage, then the results will be reported to the City Manager with a recommendation for implementation of water shortage response

measures, including declaration of a Stage I, Stage II, or Stage III shortage as listed in this part. It is important to note that a portion of the lower reservoir is unusable due to the elevation of the outlet in relation to the bottom of the reservoir.

Action for Emergency Shortage:

If an emergency shortage exists when conditions such as reduced storage tank levels, operational constraints, infrastructure failure, natural disaster, regulatory issues, fire risk or other factors hinder the City's ability to meet customer water demands, then the results will be reported to the City Manager with a recommendation for implementation of water shortage response measures, including declaration of a Stage I, Stage II, or Stage III shortage as listed in this part.

Public Awareness for Conservation Measures:

The Water Department continually monitors water levels. Prior to Stage I or preceding periods of known, high demand, the City will increase public communication and education efforts aimed at water conservation and, will encourage the community to conserve water wherever possible in the hopes of thwarting a Stage I watch measure.

Stage I Shortage (WATCH – YELLOW ALERT):

A Stage I shortage may be declared when the Water Department and Public Works Director inform the City of Seldovia Manager that the analysis required under section Authorization, part B of a water shortage indicates that proactive measures should be taken to avoid or reduce the severity of a shortage. During a Stage I shortage, the City of Seldovia will increase public communication and education efforts aimed at water conservation and will encourage the community to conserve water wherever possible.

Stage I, in relation to water storage tank levels, will automatically be triggered when the tanks' levels fall below a sustainable level of _____ Feet _____ days.

During a Stage I shortage, water customers are encouraged to follow the voluntary water conservation measures set forth below:

- A. Water landscaped areas and/or gardens only between the hours of 5:00 a.m. and 8:00 a.m.
- B. Do not use water to clean outdoor hard surfaces such as sidewalks, walkways, driveways, decks and patios, with a hose that lacks an active positive shut-off nozzle.
- C. Do not wash motor vehicles, trailers, boats and other types of equipment with a hose that lacks an active positive shut-off nozzle.
- D. Repair or disable any detectable water system line, component, or plumbing fixture that is leaking or damaged, as soon as possible.

-
- E. Restaurants, hotels, cafes, or other public places where food is sold, served or offered for sale, are encouraged not to serve drinking water from the tap unless expressly requested by a patron.

During a Stage I shortage, major water customers will be required to follow the mandatory water conservation measures set forth below:

A. Major industrial and commercial water customers using water for their business operations shall submit a water conservation plan to City of Seldovia staff which identifies measures to be implemented at each of the three stages of water shortage, and shall begin implementing Stage 1 measures. The industrial or commercial user must develop, maintain on site, and comply with a water conservation plan that demonstrates optimal use of water. This plan must be available for review and approval upon request by the City of Seldovia at all reasonable times. At a minimum, these customers shall include seafood processing plants, dock-fueling stations, and ports and harbor facilities.

B. Commercial water sales to Alaska Marine Highway, large vessels or commercial boats, or other large purchases for use outside of the water enterprise fund service area, shall be prohibited.

STAGE II SHORTAGE (WARNING – ORANGE ALERT):

A Stage II shortage may be declared when the Water Department and Public Works Director inform the City of Seldovia Manager that the analysis required under section Authorization, Part B of a water shortage indicates that the Stage I response is insufficient to reduce demands to a level in proportion to the severity of the shortage.

Stage II, in relation to water storage tank levels, will automatically be triggered when the tanks' levels fall below a sustainable level of 20 feet for a period of three days.

The following restrictions on the use of water by water customers and water conservation measures shall be in effect, required and enforced during a Stage II shortage:

- A. Outdoor landscape watering is prohibited.
- B. Washing of sidewalks, walkways, patios, driveways, rights of ways, decks, parking areas or other hard surfaces is prohibited. Power washing shall only be used for protection of public health, safety or welfare.
- C. Washing of motor vehicles, trailers, boats and other types of equipment shall be prohibited. Vehicles contained in commercial operation or fleets may be washed if public safety requires it.
- D. No water customer shall fail to repair or disable any detectable water line, water system component, or plumbing fixture that is leaking or damaged, within 48-hours of discovery. Failure to comply shall cause the water service to be shut-off by the City of Seldovia until such repairs are made.

E. Filling or refilling any outdoor water feature or hot tub shall be prohibited.

F. No restaurant, hotel, cafe, or other public place where food is served, or offered for sale, shall serve drinking water from the tap, unless expressly requested by a patron.

G. Industrial and commercial water customers, in particular ports and harbor's industrial facilities, seafood processors, and dock-fueling stations may utilize water for their business operation needs according to their business' previously submitted water conservation plan. The City of Seldovia will require periodic reporting by the customer to demonstrate optimal use of water and to help project water shortage trends.

If Stage II water shortage is related to reduced storage tank levels, industrial and commercial water customers shall have water flow reduced by 25% of the water service limits, in coordination with the customers, to assist in recovering water levels in the storage tanks. Throttling will be monitored and only implemented as long as necessary.

H. City of Seldovia Facilities:

1. All boat harbors shall have all individual boat slips' water service discontinued. **Water will be available at the head dock only.** The Fire Department will be notified of the reduced service, allowing them to implement an alternative fire response plan.

2. **The Swimming Pool shall have limited hours of water service.**

STAGE III SHORTAGE (CRITICAL – RED ALERT):

A Stage III shortage may be declared when the Water Department and Public Works Director inform the City of Seldovia City Manager that the analysis required under section Authorization, Part B of a water shortage indicates that the Stage II response is insufficient to reduce demands to a level in proportion to the severity of the shortage.

Stage III, in relation to water storage tank levels, applies when the tanks' levels fall below a sustainable level of 15 feet for a period of three days.

In addition to the Stage II restrictions and water conservation measures set forth above, the following restrictions on the use of water by water customers shall be in effect and required during a Stage III shortage:

- A. All outdoor use of water is prohibited.

- B. Any water customer found to have a leak or damaged water line, water system component, or plumbing fixture shall have water service disconnected until such repairs are made.

- C. Industrial and commercial water use shall be reduced by an amount, to be determined by the Borough, in relationship to the severity of the shortage. If Stage III water shortage is related to reduced storage tank levels, industrial and commercial water customers shall have water flow reduced by a further 25% of

the water service limits (total of 50% at Stage III), in coordination with the customers, to assist in recovering water levels in the storage tanks. Throttling will be monitored and only implemented as long as necessary.

D. City and City of Seldovia Facilities:

1. Dock and Harbor Facilities (all Boat Harbors, City Dock and the Boat/Vessel Washdown Facility) shall have water service discontinued as long as necessary.
2. The Fire Department will be notified of the reduced service, allowing them to implement an alternative fire response plan.
3. Multi-Purpose Building: services housed within MPB may be abbreviated as necessary

DURATION OF WATER USE RESTRICTIONS:

The City of Seldovia will regularly evaluate the estimated supply of water available to the water system in an effort to determine whether it is necessary to continue the water use restrictions of a declared stage or level. Stages and levels may be declared in accord with this chapter and, if water supply conditions warrant, the City of Seldovia Manager may either downgrade or withdraw a declaration of a Stage I, Stage II, or Stage III shortage. Updates regarding water status and restrictions will be posted regularly on the City's website to maintain community communication.

EXCEPTIONS:

- A. Water customers may use water when a critical need is approved by the City of Seldovia Manager, which may include when water use is essential to protect public health, safety or welfare, or when water use is related to a commercial activity and disruption would cause economic harm.

ACCESS TO PREMISES:

Whenever necessary for the purposes of investigating any alleged violation of this part, the City of Seldovia shall have the power, upon the presentation of proper credentials, to enter and inspect at any reasonable time, and in any reasonable manner, the exterior of a water customer's premises. If entry to or inspection of the premises is denied or not promptly permitted, the City of Seldovia is authorized to terminate the water customer's water service to the premises, for willful violations of mandatory restrictions and regulations in this chapter, until the required inspection is made and the City of Seldovia is satisfied that a water waste situation does not exist.

LIABILITY:

Each water customer shall be responsible for compliance with this part with respect to the water customer's premises, and shall be responsible for applicable charges for noncompliance with this part. In the event of an alleged violation of this part, proof of the existence of a declared water shortage and proof of any violation of any restriction set forth in this part, together with proof that the violation originated at any water customer's premises, shall constitute a rebuttable presumption that the water customer is responsible for the violation.

VIOLATIONS AND CHARGES:

A. Every law enforcement officer having jurisdiction in the Seldovia area shall have the authority to enforce the provisions of this section. In addition, the City of Seldovia Manager may also delegate enforcement responsibility for this section to other agencies and departments of city government, utilizing a variety of enforcement methods, including but not limited to, conducting customer education, issuing warnings and the addition of charges to water bills. The City of Seldovia Manager shall determine the stage of shortage at which the addition of charges to water bills will be used as an enforcement mechanism.

B. In the event the City of Seldovia determines that an observed violation of this part has occurred on a water customer's premises during a Stage II, or Stage III shortage, the water customer may be subject to the following:

1. For a first observed violation of a Stage II, or Stage III restriction as set forth in this chapter, the City of Seldovia shall notify the water customer in writing of the violation and issue a written warning to the water customer. Enforcement officials shall provide violators with no more than one written warning. Each day in violation of this section shall constitute a separate offense.

2. For a second and any subsequent observed violation of a Stage II restriction as set forth in this chapter, the City of Seldovia shall notify the water customer in writing of the violation and shall add a two hundred and fifty-dollar (\$250.00) charge to the water bill for the premises. Each day in violation of this section shall constitute a separate offense.

3. For a second and any subsequent observed violation of a Stage III restriction as set forth in this chapter, the City of Seldovia shall notify the water customer in writing of the violation and shall add a five hundred-dollar (\$500.00) charge to the water bill for the premises. Each day in violation of this section shall constitute a separate offense.

C. For repeated observed violations of this part occurring during any Stage II or Stage III shortage, the City of Seldovia may, in its discretion:

a) disconnect water service to the premises for which the violations occurred in accord with the code of the utility; or b) restrict water flow to the water customer at the premises at which the violations occurred. Any flow restriction shall remain in place for a period determined by the Borough, based upon the severity of the violation as well as the applicable declared stage.

- D. Whenever the City of Seldovia finds a water customer to be in violation of this part, a notice of violation must be issued. Every reasonable effort will be made to notify the water customer of the violation, and a notice requiring the customer to cease the violation and take remedial action will be posted at the point of entry into the property. Failure to comply may result in temporary termination of water service pursuant to applicable water codes.
- E. The notice of violation must be served upon the water customer by fixing the notice to the premises of the water customer in a conspicuous place, by personal delivery, or by sending the notice electronically or by U.S. mail. If sent electronically or by mail, service shall be deemed complete upon sending or mailing. Service of the notice of violation by affixation has the same force and effect and is subject to the same penalties for disregarding a notice, as if the notice of violation were personally served on the water customer. For purposes of this part, a person who is of full legal age and who resides at the premises is deemed to be the agent of the water customer to receive a notice of violation.
- F. Whenever a water customer fails to correct a violation within the correction period set forth on a notice of violation, this failure to correct shall constitute an additional violation.
- G. Any charge assessed pursuant to this chapter shall be collectible in the same manner as a water charge under the water rates related to the Seldovia Water Department, and if unpaid, water service for the premises may be discontinued in accord with the Borough's codes.
- H. Any charge assessed an industrial or commercial user, pursuant to this chapter, shall be equal to three (3) times the applicable charge.

DISPUTE RESOLUTION:

Any water customer's dispute with the City of Seldovia concerning this part shall first be addressed through review by the City of Seldovia Manager. If the review by the City of Seldovia Manager does not resolve the dispute, the water customer may, within five days of the demand made upon them for the water shortage violation, demand a hearing before the City of Seldovia Assembly on this matter. The City of Seldovia City Council shall, after receiving a report from the City of Seldovia City Manager of water shortage violation charges, afford an opportunity for such hearing and shall make a determination to uphold, alter or remove the water shortage violation charges. Any remaining violation charges shall be collected according to standard City of Seldovia collection procedures.

From: [Kris Lethin](#)
To: [Cassidi Cameron](#)
Cc: [Heidi Geagel](#)
Subject: Re: Water Challenges
Date: Sunday, September 8, 2019 2:16:25 PM
Attachments: [image003.png](#)

I failed to mention the rejuvenation of fish creek reservoir and dam as back up water supply.

Get [Outlook for iOS](#)

From: Cassidi Cameron <citymanager@cityofseldovia.com>

Sent: Sunday, September 8, 2019 12:55:25 PM

To: Kris Lethin <lethin@cityofseldovia.com>

Cc: Heidi Geagel <cityclerk@cityofseldovia.com>

Subject: RE: Water Challenges

Thank you Kris. This is great input and very much appreciated. We will include this in our laydown for Monday's meeting; it would be prudent to discuss these solutions and incorporate them into our path forward.

Best,

Cassidi

Cassidi Cameron

City of Seldovia City Manager

P.O. Drawer B

Seldovia, Alaska 99663

Office: (907) 234.7643

Fax: (907) 234.7430



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From: Kris Lethin <lethin@cityofseldovia.com>

Sent: Saturday, September 7, 2019 9:49 AM

To: Dean Lent <lent@cityofseldovia.com>; Bobbi Sweat <Sweatt@cityofseldovia.com>; Vivian Rojas <rojas@cityofseldovia.com>; Jeremiah Campbell <campbell@cityofseldovia.com>; John Colberg <colberg@cityofseldovia.com>; Perley Morrison <morrisson@cityofseldovia.com>

Cc: Cassidi Cameron <citymanager@cityofseldovia.com>; Heidi Geagel <cityclerk@cityofseldovia.com>

Subject: Water Challenges

September 7, 2019

Dear Mayor and Council,

We had a great community meeting about the water situation. I am very encouraged by the response of all the participants in implementing water-saving practices, and especially the hard work of our city staff in getting ahead of this disaster. There are several things I would like to support and suggest as we move forward putting a more permanent solution in place for safe water for our citizens. Many of these ideas were brought forward at our meeting, but some are new:

1. Have the reservoir dredged and enlarged as soon as possible. To my knowledge this was last done when I was city manager many years ago.
2. Secure a second storage tank for the treatment plant.
3. Improve the road to the reservoir road so that water trucks and other necessary vehicles can get up it easily.
4. Replace the Piping from the reservoir to the water treatment plant. It is old and has leaks.
5. Secure a surplus water truck from the State or Federal Government for non-potable water currently released into the slough twice a month to return water to the reservoir.
6. Or use the non-potable water now released into the slough to water the community gardens and parks, so that our expensive treated water is not used for this purpose in the future, and yet we are still able to maintain the parks and gardens that beautify our city.
7. Encourage property owners to update their own plumbing so that seasonal residents do not leave their water running all winter as a strategy to keep from freezing up. Put some teeth in this.
8. Establish a water metering policy as an option for property owners that would like to meter their water with a remote read meter designated by the city for installation and water rates for this service. Owner to pay installation.
9. See about a grant to obtain water-saving toilets, shower, and sink faucets for the citizens for free or at a reduced cost.
10. Continue to find leaks in our infrastructure and fix them.
11. Replace old infrastructure where possible with grants from VSW
12. Develop a long range plan to replace our water and sewer infrastructure.

If we act soon we may be able to get the State or Federal Government to fund many of these projects as part of our Disaster Response. It's great to see the community pull together on this project. I look forward to doing all that I can to make these needed improvement happen.

Sincerely,

Kris W. Lethin

Council Member

Cc: City Manager

From: [Paul Bryner](#)
To: [Heidi Geagel](#)
Cc: [Cassidi Cameron](#); [Kevin Smith](#); [Tony Blodgett](#)
Subject: RE: Quotes for events
Date: Thursday, September 5, 2019 2:50:50 PM
Attachments: [image001.png](#)
[2019-2020 SEP Summary of Insurance.pdf](#)

Heidi,

We can obtain Special Events Insurance for some of these through our broker Alliant Insurance Services. Attached is a summary of the program's coverage and limitations. As for the cost, I can give you some estimates:

1. Fishing Derby – about \$100 to \$200
2. 4th of July Events – probably about \$500 but these I would have to submit to the program underwriter for approval and pricing.
3. 5K Run – about \$100
4. 10 Miler – about \$100
5. Rocky Ridge Run – about \$100 to \$200
6. Chainsaw Competition – This needs underwriter approval and if approved I am sure there would be no coverage for the participants. Not sure of the cost if approved.
7. Fly-In Event – This would not be eligible for the Special Events program.
8. Seldovia Chamber of Commerce board/volunteers – The Special Events Coverage would provide some limited liability coverage for them for the covered events that they are sponsoring. However, the Chamber should have their own liability insurance policy in order to be adequately protected.

Also coverage for any food vendors would be \$50 per day for each vendor. Any liquor liability would be an additional charge that would be determined separately for each event with liquor sales.

The city should require signed waivers from all participants in these events and where appropriate certificates of insurance with the city named as an additional insured for the event. For other risk control recommendations regarding these you can contact Tony Blodgett in our Risk Management department. Please let me know if you have any other questions.

Thank you,

Paul Bryner

Underwriting Manager

Alaska Municipal League Joint Insurance Association

807 G Street, Suite 356

Anchorage, AK 99501

Phone: (907)258-2625

Fax: (907)279-3615

www.amljia.org

This communication is not meant to expand or amend Alaska Municipal League Joint Insurance Association, Inc. (AMLJIA) coverage documents, nor should it be used in the determination of liability for any particular claim. All matters of interpretation are to be construed in favor of the AMLJIA Participant Coverage Memorandum,

Cooperative Participant Agreement, and Bylaws. We urge you to submit any forms that you may be using to your legal counsel for review and approval prior to use, execution, or bid letting, ensuring protection to the fullest possible extent. This e-mail and all attachments to it are for the sole use of the intended recipient and may contain proprietary information and trade secrets of Alaska Municipal League Joint Insurance Association, Inc. Any unauthorized use, disclosure or distribution of this e-mail and its attachments is prohibited. If you are not the intended recipient, please let us know by reply e-mail and then erase and destroy all electronic and other copies of this message.

From: Heidi Geagel <cityclerk@cityofseldovia.com>

Sent: Wednesday, September 04, 2019 10:11 AM

To: Paul Bryner [REDACTED]

Subject: FW: Quotes for events

From: Heidi Geagel

Sent: Wednesday, September 4, 2019 9:12 AM

To: Paul Bryner [REDACTED]

Cc: Cassidi Cameron <citymanager@cityofseldovia.com>

Subject: Quotes for events

Good Morning Paul,

The City Council and City Manager asked me to ascertain quotes for having regular annual events added to the City of Seldovia's insurance.

This would include:

- A Human Powered Fishing Derby, a two day event where people fish from man powered vessels around Seldovia, followed by a fish fry potluck and award ceremony. (3 days, 80-100 participants)
- All the Fourth of July events, the City already covers a 5k Salmon Shuffle Race in the morning and the parade, but the rest of the day and events need to be covered including:
 - Kids games: saw dust pile, potential slip in slide, 3 legged race, e.t.c.
 - Adult games: Salmon toss, egg toss, kayak races in the harbor, canoe jousting, e.t.c.
 - Food vendors in the harbor parking lot

The events typically lasts from after the parade 12:30ish to 5pm ish. (800-1000 plus participants)

- A 5k run on Memorial Day weekend (one day, 2-3 hour event, 30-60 participants)
- A Jakolof Bay 10 Miler run mid-summer, the event starts at Jakolof Harbor and people bike or run to town and finish by the pavilion (one day, 2-3 hour event, 30-60 participants)
- A Rocky Ridge Run during Labor Day weekend, people would start and end at the Gateway Pavilion and would walk/run the Rocky Ridge Trail (one day, 2-3 hour event, 30-60 participants)
- A Chainsaw Carving Competition that was originally 3 days over Labor Day weekend and was expanded to four days this year, this would include volunteers (four days, 80-100 participants)
- The Seldovia Fly-In Event, also happens mid-summer with approximately 70 participants, versus small aircraft perform a flour drop, short stops and take offs and various tasks of competition. There is a bbq and band and large crowd that gathers to watch. (one day event, 70 planes multi-participants, 200-300 bystanders)
- The Seldovia Chamber of Commerce Board and their volunteers for various events.

Please let me know if you have any questions on any of these events. My hope is to present the quote to the city council Monday evening September 9th, 2019 for their consideration.

Thank you,
Heidi Geagel

City Clerk
City of Seldovia
(907)234.7643 (office)
(907)234.7430 (fax)



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SPECIAL EVENT LIABILITY INSURANCE SUMMARY OF INSURANCE

INSURED: Participating Public Entities and their tenant users, of the Alliant Insurance Services, Inc. Special Event Liability Program

MAILING ADDRESS: c/o Alliant Insurance Service, Inc.
Special Event
PO Box 6450
Newport Beach, CA 92658

POLICY TERM: January 1, 2019 to January 1, 2020

CARRIER: Evanston Insurance Company

A.M. BEST RATING: A (Excellent); Financial Size Category XV (\$2 Billion or greater) as December 20, 2017

LIMITS:

\$2,000,000	General Aggregate
\$1,000,000	Products/Completed Operations Aggregate (Food Products Only)
\$1,000,000	Personal and Advertising Injury
\$1,000,000	Each Occurrence
\$ 100,000	Fire Damage
\$ 5,000	Medical Expense

All aggregates apply separately to each event

COVERAGE: Combined Single Limit of Liability for Bodily Injury and Property Damage Per Occurrence and Aggregate as shown above. Coverage includes:

-) Lessees, Instructors or Event Holder as Named Insured
-) "Primary & Non Contributory" wording as respects the Public Entity
-) Volunteer Employee's as Insured's
-) Entity or Venue Owner as Additional Insured
-) Premises and Products/Completed Operations Liability
-) Personal and Advertising Injury
-) Fire Damage and Medical Payments

OPTIONAL COVERAGE:) Liquor Liability (With prior approval and payment of additional premium) Included in occurrence and general aggregate limit
(Subject to additional Premium/Conditions)) Participants included with underwriter's approval and signed waiver
) Vendors, Exhibitors and Concessionaires (Included with payment of additional premium) Included in occurrence and general aggregate.

SPECIAL EVENT LIABILITY INSURANCE SUMMARY OF INSURANCE

OPTIONAL COVERAGE:

-) Increase limits to:
 - o \$1,000,000 per occurrence /\$3,000,000 general aggregate at 11% increase
 - o \$2,000,000 per occurrence /\$2,000,000 general aggregate at 19% increase
-) Property Damage
 - o \$50,000 with no Deductible Premium \$50.00
 - o \$100,000 with no Deductible Premium \$100.00
 - o \$300,000 with no Deductible Premium \$250.00

MAJOR EXCLUSIONS:
(Including but not limited to)

-) Automobile Liability
-) Aircraft / Watercraft Liability
-) Property Damage to Entity Premises
-) Property of Others in the Care, Custody and Control of the Insured
-) Workers' Compensation
-) Collapse of Tents and Concert Limitations
-) Attendance Limitation Exclusion
-) Outdoor Concerts Limitation Exclusion
-) Seating, Glass & Fixtures Exclusion
-) Pyrotechnics & Explosives Exclusion
-) Exclude Specific Performances (without prior company approval)
-) Bodily Injury, Property Damage, Personal and Advertising Injury to any entertainer, stage hand, crew, independent contractor, audience member, patron or customer of the insured as a result of participating in a demonstration or show. Damage to property or equipment belonging to entertainer, stage hand, crew, independent contractor, audience member, patron or customer of the insured.
-) Assault and Battery
-) Terrorism
-) Punitive Damages
-) Unmanned Aircraft
-) Marijuana Exclusion
-) Organic Pathogen and Legionellae Exclusion

EXCLUDED EVENTS:

-) Circus and Carnivals including Rides
-) Mechanical Amusement Devices
-) Motorized Sporting Events
-) Tractor/Truck Pulls
-) Boxing, Wrestling, Hockey, Contact Karate Events (including practice)
-) Rodeos and Roping Events (including practice)
-) Aircraft and Balloon Events
-) Professional Sporting Events

Alliant Insurance Services, Inc.

1301 Dove Street, Suite 200, Newport Beach CA 92660-2511 ♦ 949-756-0271 Lic #0C36861 ♦ www.alliantinsurance.com

SPECIAL EVENT LIABILITY INSURANCE SUMMARY OF INSURANCE

**EXCLUDED EVENTS:
(CONTD)**

-) Pyrotechnical Uses / Fireworks Shows (does not apply to spectators)
-) Heavy Metal, Alternative Music, Hip-Hop and Rap Concerts (without prior underwriter approval)
-) Moonbounces, Trampolines and Inflatable Amusement Devices
-) Obstacle Course, Races and Mud Runs
-) Veterinary Legal Liability (NO animals)

DEDUCTIBLE: None

REPORTING: Reporting Form and Certificates of Insurance to be submitted on a Quarterly basis, together with premium payment

**HAZARD
SCHEDULES/RATES:** See Special Events Manual

BROKER: **ALLIANT INSURANCE SERVICES, INC.
NEWPORT BEACH, CA**

Rennetta Poncy, Senior Vice President
Penny De Witt-Holdren, AIS, AINS Account Manager

THIS SUMMARY IS FOR INFORMATION PURPOSES ONLY AND DOES NOT AMEND, EXTEND OR ALTER
THE POLICY IN ANY WAY. PLEASE REFER TO THE POLICY FORM FOR COMPLETE COVERAGE AND
EXCLUSION INFORMATION.

Alliant embraces a policy of transparency with respect to its compensation from insurance transactions. Details on our compensation policy, including the types of income that Alliant may earn on a placement, are available on our website at www.alliantinsurance.com. For a copy of our policy or for any inquiries regarding compensation issues pertaining to your account you may also contact us at: Alliant Insurance Services, Inc., Attention: General Counsel, 701 B Street, 6th Floor, San Diego, CA 92101.

Analyzing insurers' over-all performance and financial strength is a task that requires specialized skills and in-depth technical understanding of all aspects of insurance company finances and operations.

Insurance brokerages such as Alliant Insurance typically rely upon rating agencies for this type of market analysis. Both A.M. Best and Standard and Poor's have been industry leaders in this area for many decades, utilizing a combination of quantitative and qualitative analysis of the information available in formulating their ratings.

A.M. Best has an extensive database of nearly 6,000 Life/Health, Property Casualty and International companies. You can visit them at www.ambest.com. For additional information regarding insurer financial strength ratings visit Standard and Poor's website at www.standardandpoors.com

To learn more about companies doing business in your State, please visit your State's Department of Insurance website

Alliant Insurance Services, Inc.

1301 Dove Street, Suite 200, Newport Beach CA 92660-2511 ♦ 949-756-0271 Lic #0C36861 ♦ www.alliantinsurance.com

To: Mayor Lent and Seldovia City Council
From: Cassidi Cameron
Subject: City Manager's Report
Date: September 9, 2019

CITY MANAGER REPORT

- Reservoir Water Supply
- City of Seldovia Water Shortage Management Plan – Draft Development
- Water Infrastructure Projects:
 - ARWA leak projects 2018 season; completed 13 water repair projects
 - ARWA will arrive week of September 23rd for another round of leak detection on our utility
- Public Works Right of Way Maintenance Plan – ongoing. Tree removal for Bay Street at old Boardwalk – quote attached
- QB Software Transition – 100% QB
- Seldovia Space Update
- SOA Public Safety Contract – awaiting response
- EDA Grant Opportunity: mitigation, resiliency for the future; Nexus development
- AMHS Ferry Schedule
- Land Use Management Plan
- Harbor Parking Lot Plan
- FY18 – FY19 Audits: FY18 report September 23rd meeting; FY19 to follow
- KPEDD presentation – October 28th
- Sales Tax Summary KPB



FOR IMMEDIATE RELEASE: Sept. 5, 2019

Contact: Meadow Bailey, (907) 451-2240, meadow.bailey@alaska.gov

AMHS Winter 2019-20 Schedule is Open for Booking
AMHS creates schedule to provide the maximum level of service possible.

(ANCHORAGE, Alaska) – The Alaska Marine Highway System (AMHS) released its 2019-20 winter schedule today. Reservations are now available for booking at FerryAlaska.com, by calling the AMHS Reservations Center at 1-800-642-0066, or by visiting ferry terminals throughout the ferry system.

The AMHS winter schedule covers ferry travel from Oct. 1, 2019 to April 30, 2020.

When compiling the winter schedule, AMHS staff worked diligently to meet community needs as much as possible. The winter schedule is fiscally constrained and AMHS funding for the fiscal year 2020 was reduced by \$43 million. This 31% budget reduction from previous fiscal years left little room for flexibility in the schedule.

In an effort to maximize revenue and create a more self-sustaining system, there are new features included with the 2019-20 winter schedule:

- Dynamic pricing – As availability decreases the published fares will increase.
- Event pricing – For some special events there will be a 10% fare increase four days before and after the event in that port.
- Change fees – Change fees to existing reservations will increase as the scheduled travel date approaches. Fees will be \$20 up to two weeks before departure, \$50 two weeks to three days before departure and \$100 within three days of departure.

Passengers are encouraged to book early for the best fares. Additional details on pricing are available in the chart below.

Percentage of Capacity Booked	Fare Increase Percentage		
	Passengers	Vehicles	Cabins
30%	5%	10%	10%
40%	10%	20%	20%
50%	15%	30%	30%
60%	20%	38%	38%
70%	25%	45%	45%
80%	30%	50%	50%
90%	30%	50%	50%



Arrivals and Departures

January 2020:
Seldovia

MONTH: January 2020
PORT: Seldovia
VESSEL: All Vessels

For assistance understanding the abbreviations on this page, please see the [calendar key](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 01:15pm TUS Ar fr HOM 03:15pm TUS Dp to HOM	3	4
5 07:00am TUS Ar fr ORI 10:00am TUS Dp to HOM 07:00pm TUS Ar fr HOM 09:00pm TUS Dp to ORI	6	7	8	9 01:15pm TUS Ar fr HOM 03:15pm TUS Dp to HOM	10	11
12 07:00am TUS Ar fr ORI 10:00am TUS Dp to HOM	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

For assistance understanding the abbreviations on this page, please see the [calendar key](#)



Arrivals and Departures

February 2020:
Seldovia

MONTH: February 2020
PORT: Seldovia
VESSEL: All Vessels

For assistance understanding the abbreviations on this page, please see the [calendar key](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

For assistance understanding the abbreviations on this page, please see the [calendar key](#)



Arrivals and Departures

March 2020:
Seldovia

MONTH: March 2020
PORT: Seldovia
VESSEL: All Vessels

For assistance understanding the abbreviations on this page, please see the [calendar key](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

For assistance understanding the abbreviations on this page, please see the [calendar key](#)



Arrivals and Departures

April 2020:
Seldovia

MONTH: April 2020

PORT: Seldovia

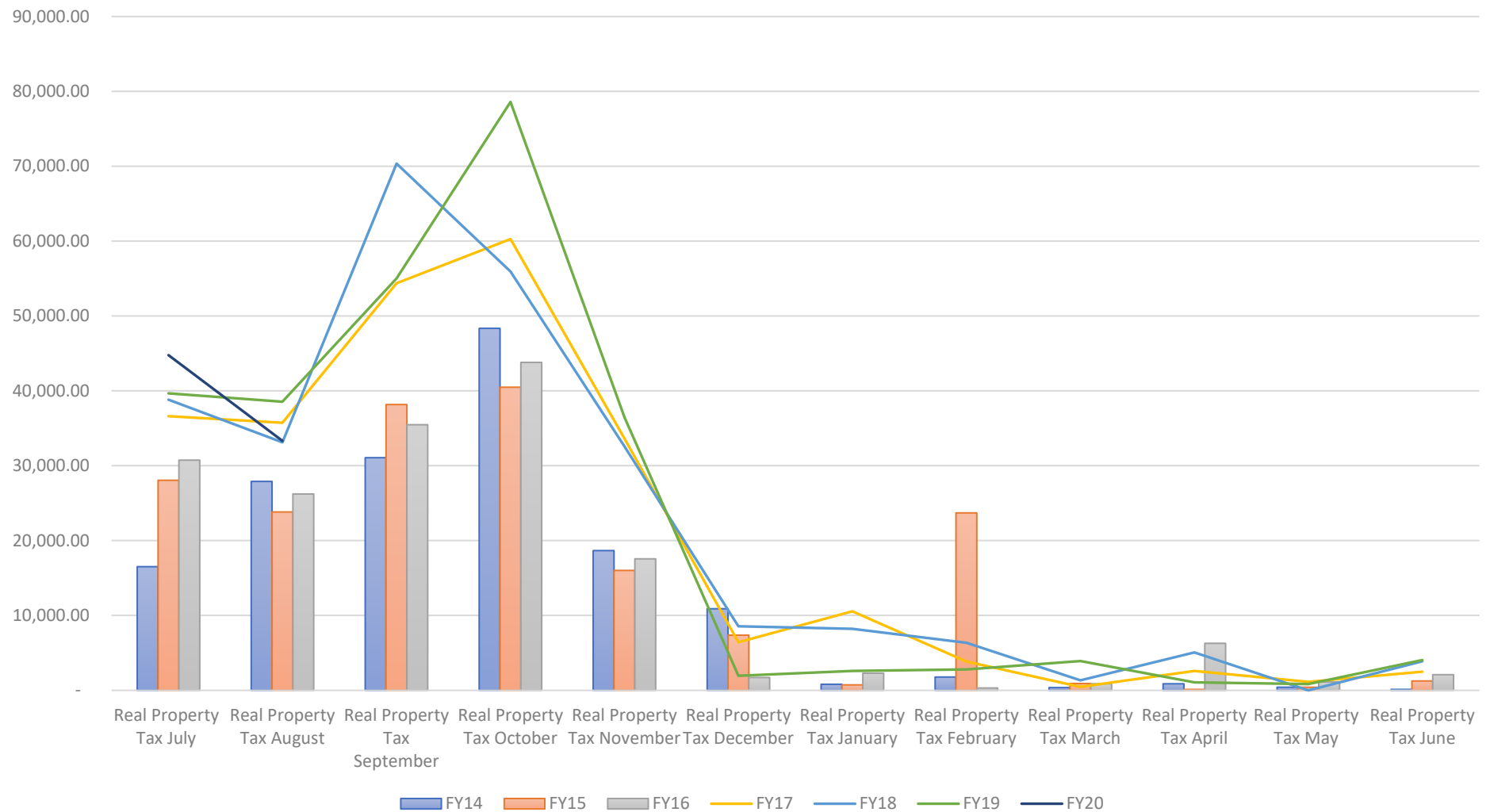
VESSEL: All Vessels

For assistance understanding the abbreviations on this page, please see the [calendar key](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
05:15am KEN Ar fr HOM						
06:30am KEN Dp to HOM						

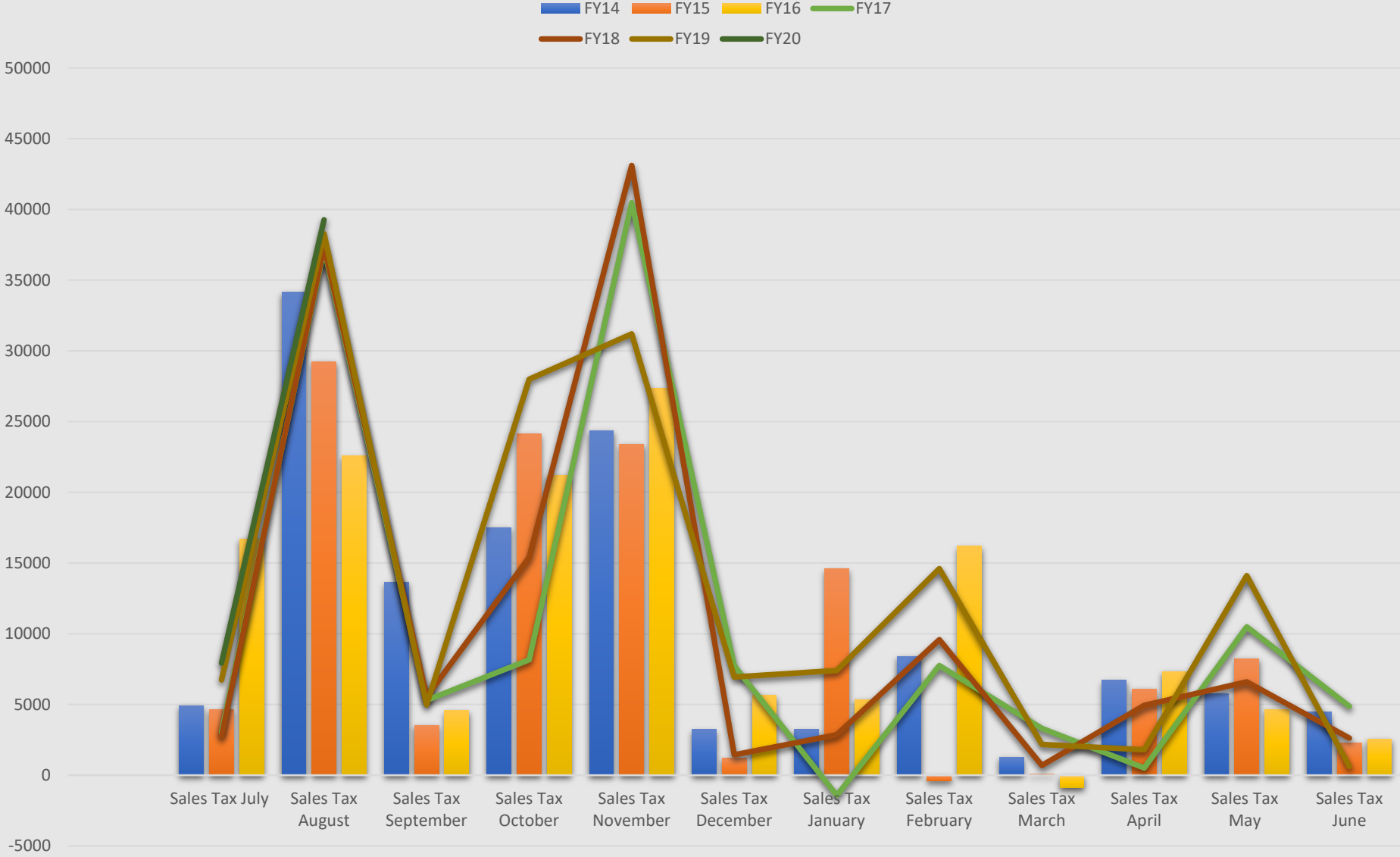
For assistance understanding the abbreviations on this page, please see the [calendar key](#)

KPB Property Tax Summary FY14-FY20



	FY14	FY15	FY16	FY17	FY18	FY19	FY20	Monthly Overall Average
Real Property Tax July	16,520.12	28,061.47	30,752.41	36,606.35	38,833.35	39,660.29	44,773.87	47,041.57
Real Property Tax August	27,907.14	23,828.46	26,229.03	35,750.18	33,147.18	38,541.68	33,319.58	43,744.65
Real Property Tax September	31,078.48	38,174.29	35,481.70	54,370.72	70,355.58	55,035.79		47,416.09
Real Property Tax October	48,353.01	40,490.69	43,802.79	60,276.67	55,943.84	78,592.80		54,576.63
Real Property Tax November	18,669.29	16,018.32	17,565.10	33,626.43	32,592.45	36,499.29		25,828.48
Real Property Tax December	10,901.37	7,371.87	1,715.04	6,435.72	8,547.98	1,937.55		6,151.59
Real Property Tax January	814.73	735.11	2,285.98	10,556.77	8,228.92	2,592.41		4,202.32
Real Property Tax February	1,780.83	23,704.92	316.81	3,841.69	6,365.42	2,786.70		6,466.06
Real Property Tax March	369.23	919.21	885.03	469.50	1,340.04	3,920.59		1,317.27
Real Property Tax April	880.15	124.07	6,283.93	2,596.92	5,075.89	1,083.10		2,674.01
Real Property Tax May	419.42	417.22	1,117.71	1,136.18	-	841.76		655.38
Real Property Tax June	128.75	1,257.11	2,093.29	2,497.11	3,894.81	4,036.86		2,317.99
FISCAL TOTAL	157,822.52	181,102.74	168,528.82	248,164.24	264,325.46	265,528.82	78,093.45	

Sales Tax Summary FY14-FY20



	FY14	FY15	FY16	FY17	FY18	FY19	FY20	Monthly Overall Average
Sales Tax July	4,907.24	4,665.53	16,708.88	3,010.60	2,741.31	6,744.47	7,925.74	7,783.40
Sales Tax August	34,146.80	29,234.62	22,581.19	37,194.39	37,375.28	38,269.15	39,263.68	39,677.51
Sales Tax September	13,652.90	3,518.58	4,567.21	5,300.28	5,554.89	4,980.49		6,261.96
Sales Tax October	17,512.62	24,119.43	21,192.09	8,159.10	15,388.78	27,997.34		19,061.47
Sales Tax November	24,378.77	23,407.10	27,332.93	40,470.90	43,104.53	31,197.72		31,648.68
Sales Tax December	3,225.67	1,234.41	5,648.47	7,724.79	1,441.58	6,949.44		4,370.04
Sales Tax January	3,230.21	14,593.18	5,343.27	(1,421.82)	2,872.35	7,404.26		5,337.89
Sales Tax February	8,407.46	(399.52)	16,207.08	7,744.85	9,580.70	14,604.87		9,361.33
Sales Tax March	1,277.96	71.68	(903.16)	3,307.59	692.76	2,171.71		1,100.16
Sales Tax April	6,706.02	6,096.77	7,322.71	511.69	4,944.11	1,793.93		4,560.19
Sales Tax May	5,768.32	8,241.36	4,652.47	10,495.21	6,595.98	14,101.72		8,309.18
Sales Tax June	4,461.24	2,262.48	2,563.68	4,867.34	2,629.59	631.31		2,901.87
FISCAL TOTAL	127,675.21	117,045.62	133,216.82	127,364.92	132,921.86	156,846.41	47,189.42	