



Homer City Hall

491 E. Pioneer Avenue

Homer, Alaska 99603

www.cityofhomer-ak.gov

City of Homer Agenda

Public Works Campus Task Force Regular Meeting

Wednesday, March 10, 2021 at 2:30 PM

Cowles Council Chambers

Dial: +1 669 900 6833 or +1 253 215 8782 or Toll Free 888 788 0099 or 877 853 5247

Webinar ID: 990 6794 3833 Passcode: 716429

CALL TO ORDER, 2:30 P.M.

AGENDA APPROVAL

PUBLIC COMMENTS UPON MATTERS ALREADY ON THE AGENDA

Members of the audience are invited to comment on subjects already on the agenda. Please use the "Raise Hand" icon and the Clerk will unmute you. State your name clearly for the record and you will have three (3) minutes to speak.

APPROVAL OF MINUTES

- [a.](#) Regular Meeting Minutes for February 24, 2021

VISITORS/PRESENTATIONS

REPORTS

PENDING BUSINESS

- [a.](#) Memorandum from Member Engebretsen re: Risk Catalogue and Evaluation

NEW BUSINESS

- a. Next Steps -

INFORMATIONAL MATERIALS

- [a.](#) Adopted Public Works Campus Task Force Meeting Schedule and Report Timelines

COMMENTS OF THE AUDIENCE

Members of the audience are invited to speak on any subject. Please use the "Raise Hand" icon and the Clerk will unmute you. Please state your name clearly for the record and you will have three (3) minutes to speak.

COMMENTS OF CITY STAFF

COMMENTS OF THE TASK FORCE

ADJOURNMENT

Next Regular Meeting is Wednesday, March 24, 2021, at 2:30 p.m. A Worksession is scheduled for Wednesday, March 17, 2021 at 2:30 p.m. All meetings scheduled to be held via Zoom webinar in the City Hall Cowles Council Chambers located at 491 E. Pioneer Avenue, Homer, Alaska.

Session 21-02, a Regular Meeting of the Public Works Campus Task Force was called to order by Chair Donna Aderhold at 2:31 p.m. on February 24, 2021 via Zoom Webinar from the City Hall Conference Room located at 491 E. Pioneer Avenue, Homer, Alaska.

PRESENT: JULIE ENGBRETSSEN, JACOB ARGUETA, JAN KEISER, LARRY SLONE, CHARLES BARNWELL, CAROLINE VENUTI AND DONNA ADERHOLD

STAFF: RENEE KRAUSE, DEPUTY CITY CLERK

AGENDA APPROVAL

Chair Aderhold requested a motion to approve the agenda.

KEISER/VENUTI MOVED TO APPROVE THE AGENDA.

There was no discussion.

VOTE. NON-OBJECTION. UNANIMOUS CONSENT.

Motion carried.

PUBLIC COMMENTS UPON MATTERS ALREADY ON THE AGENDA

VISITORS/PRESENTATIONS

- A. Presentation by Barrett Salisbury with the State of Alaska Division of Geological & Geophysical Surveys and Elena Suleimani with the Alaska Earthquake Center

Barrett Salisbury with the Alaska Division of Geological and Geophysical Surveys and Elena Suleimani with the Alaska Earthquake Center provided a PowerPoint presentation covering information and discussion on the following topics:

- Tectonic Plate contact and Homer/Kenai Peninsula is sitting right on top of these plates which are moving a few inches each year.
- How this movement affects the area and the disturbance to the sea floor is cause for tectonic tsunamis
- 2011 Earthquake in Japan and how it changed the existing and known data on inundation, experiences in that earthquake, evacuation structures not suited for the worst case scenario, various wave directions in series not just one direction as planned for or expected.
- Probability and strength of earthquakes, size does not mean a bigger one will not follow.
- Homer Inundation Scenarios

- The inundation maps should not be used for regulatory or building code purposes. There are too many uncertainties in the modeling of these maps to make them regulatory. There is science and they are peer reviewed, so the information can be helpful for emergency response.
- The smallest wave can cause devastating damage and even loss of life as proven in video of Tsunami hitting Santa Cruz, CA 10 hours later from across the pacific
- Seismic hazard assessment is the best estimate at the probability that an earthquake of a certain magnitude, with a certain amount of associated shaking is going to happen in a particular period of time

Ms. Suleimani and Mr. Salisbury facilitated questions on the following topics:

- If the rupture patch shifted to the west towards Kodiak and the west side of the inlet how would that affect Homer.
- Risk to Homer would come from underwater landslides
- clarification on the maximum inundation in relation to the map provided
- more of a rising tide that never ends and the second wave would have debris from a first wave so no one would survive in six feet
- information on what could be expected if a tsunami happened at low tide noting that their modeling is project for worst case scenario at highest high tide.
- in 1964 the highest wave in Valdez came 11 hours after the earthquake. Since it was low tide the Valdez and Seward waterfront collapse because the water was not there the sediment collapsed. Then 10 hours later there was a high tide and the tsunami came so preparation to expect a minimum of 12 hours from the initial quake is required.
- Homer was not at the head of a narrowed bay which would create 30-40 foot wave and due to Homer's placement it would suffer more of a flooding or tidal like surge, slowly rising but it will still have whirlpools, fast currents and debris.

Additional discussions and explanations were facilitated on the following:

- Technology available – Seafloor seismometers, GPS, earthquake early warning system that is integrated with the Tsunami Early Warning System
- Examples of technology that is available if placed on the sea floor
- Subsurface ground of Homer, based on their expertise, sediment coal seams, slight flat, less clay in Homer, geotechnical properties data from 60 70s on the possible coal
- Verification steps before all clear is issued to communities
- Homer has a complicated glacial history
- The inundation report should be used for sensible decision making for emergency response such as:
 - o Making decisions on placement of shelters
 - o Planning bug out bags,
 - o locations of equipment and supplies
 - o practicing drills

- public information for people especially visitors
- first responders
- intelligent development so that low lying areas within the inundation zone should be turned in recreational areas and parks for example
- creating plans in order to remove people from the spit in an orderly manner as well as getting people moved who may live within the inundation areas.
- Creating a brochure to be able to distribute to the population, businesses, hotels, etc.

APPROVAL OF MINUTES

A. Regular Meeting Minutes for February 10, 2021

Chair Aderhold requested a motion to approve the minutes.

SLONE/KEISER MOVED TO APPROVE THE MINUTES.

There was no discussion.

VOTE. NON-OBJECTION. UNANIMOUS CONSENT.

Motion carried.

REPORTS

PENDING BUSINESS

A. Continued Review and Discussion on Inundation Report - Resolution Task Goal #1 & #2

Chair Aderhold introduced the item by reading of the title and provided a brief overview of the process and exercise that was performed by the Task Force during the worksession last week. She requested input from the Task Force members, noting that Member Slone had a few questions that were listed but he could read them himself.

A brief discussion ensued on the points made in the presentation at this meeting that were supporting the discussions and exercises they performed at the worksession on February 18th. Two particular comments regarding the following were made:

- The inundation report was to be used to assist in emergency response and planning
- Consideration should be made on not developing further in areas that are at greatest risk

Chair Aderhold noted that member Engebretsen was unable to prepare the memorandum with the spreadsheet of the risks that the Task Force listed and spoke about at the worksession due to her work schedule and we will have that at the March 3, 2021 regular meeting. She then asked if there were any questions from the members before they get back to some details.

Member Barnwell commented that he has created some maps and suggested summarizing what was presented today and commented that maybe they could collaborate on that information.

Chair Aderhold informed Member Barnwell that under advisement from the Clerk they must work on items individually or with the whole group. So if he wanted to provide the maps and summary of the presentation for the next meeting that would be great.

Member Barnwell noted that and will forward his work product to the Clerk when completed.

Additional discussion and comment was entertained on the following topics:

- Life expectancy of Public Works infrastructure to provide additional support for relocation
- Importance of the Sewer Treatment Facility and impacts to the ecological systems while important the overall costs involved in replacement of such as facility would be extraordinarily steep and not has easy since the City's system is gravity based
- Relocating of materials stockpiles such as calcium chloride and equipment to another location could be accomplished without the construction of another Public Works Facility
- Determining at what level elevation is Public Works at to determine the actual impact to the facility

It was agreed to conduct and review the risks at the next meeting when they have the information from Member Engebretsen and they will have the maps from Member Barnwell to review as well.

- B. Memorandum from Deputy City Clerk re: Revising Scope of Work Timelines and Setting Appropriate Meeting Dates - Approval of Draft Memorandum to City Council regarding Task Force Reports

Chair Aderhold introduced the item by reading of the title and invited Clerk Krause to provide some input on revising the timelines.

Deputy City Clerk Krause stated that in review of the process being undertaken and the meeting schedule the Task Force approved she drafted the memorandum to City Council showing proposed meeting dates and correlating reporting dates. She also noted that due to not having a designated staff person she did not mind acting as their staff and clerk as she has performed in that role for other groups but the problem came when the Task Force wants to meet three weeks in a row. Ms. Krause stated that it is difficult to provide structure and guidance not to mention materials as well as the minutes when meetings are scheduled back to back. She recommended having the worksession for the month of March but then reducing the meetings to twice monthly noting that if needed a worksession could be scheduled. This will guarantee that members of the Task Force can complete assigned deliverables and Clerk can facilitate gathering needed or requested information and compete the minutes timely for any memoranda or reports.

Chair Aderhold clarified the meeting schedule the Clerk proposed and that a motion to approve the timeline was requested.

Member Keiser offered to act as a staff member and write memorandums, perform research, etc.

Deputy City Clerk Krause explained that as a member of the Task Force Member Keiser would also be voting on items she drafted. It is not necessary or required by OMA to have a staff person but it assists in keeping a clean perspective for the public and since the City Attorney advised that two or more members of the Task Force cannot work on an item as that may be perceived as a committee as well as members in a small body could be perceived to expend undue influence on a recommendation or issue. It is nice to be able to have a staff but the Clerk can fill that role as well.

VENUTI/SLONE MOVED TO ADOPT THE AMENDED TIMELINES AS RECOMMENDED BY STAFF.

A brief discussion evolved on the inability and restrictions imposed by the OMA on small groups, extension of the timeline, submitting a budget request to council for this project using the final report, having the Task Force work on that issue to have a report by May, scheduling a worksession before the halfway point, say at the end of March to show where the Task force is and then Member Keiser can make a presentation regarding her proposed budget request. It was noted that then Council would be aware of the upcoming budget request in August. It was advocated for establishing the schedule so Council, the media and members of the public that are following this process can follow it too.

KEISER/SLONE MOVED TO AMEND THE JUNE 14TH REPORT DATE TO MAY 10, 2021 CITY COUNCIL MEETING.

Discussion ensued on that time allowing Member Keiser to put together a budget request and moving it forward by one month which would then move final report date up a month too. Questions were asked regarding the report and who would author this report. Clarification was provided as follows: Identifying and quantifying risk, if there is risk strategies to mitigate that risk with comparable costs, it may not be a identified cost estimate for a building on a site but a relative order of magnitude costs and strategy and then the third report would be strategy which may be to look for real estate to relocate Public Works. Further clarification was provided on the dates suggested by the Clerk for the second report from June 14th to May 10th. The other dates could remain the same.

VOTE. (Amendment). NON-OBJECTION. UNANIMOUS CONSENT.

Motion carried.

There was a brief clarification that the only date that was amended what the June report date.

VOTE.(Main). NON-OBJECTION, UNANIMOUS CONSENT.

Motion carried.

Chair Aderhold noted that there was a draft memorandum to Council and requested changes or comments.

Member Keiser appreciated the summarization provided by the Clerk.

KEISER/SLONE MOVED TO AMEND THE JUNE 14TH DATE ON THE SECOND REPORT TO MAY 10TH

There was no further discussion.

VOTE. NON-OBJECTION. UNANIMOUS CONSENT.

Motion carried.

NEW BUSINESS

A. Next Steps

Chair Aderhold noted that the Task Force will meeting on March 10th and Member Engebretsen is to provide a memo on the risks listed at the February 18th Worksession and Member Barnwell will provide some maps on the inundation points so we will be able to continue our risk assessment discussion and strategies.

Member Slone inquired about the Task Force addressing the issue of creation of a brochure and Chair Aderhold noted that it was something outside the purview of this task force but that the city staff can at least initiate and see what the process might be and whether there needs to be Council action.

Member Engebretsen volunteered to address that issue, noting that the City Manager is in attendance at this meeting today, she will email him. She further commented that it was a great idea to have the brochure and will report back to the Task Force.

Chair Aderhold confirmed with Member Keiser that the Task Force was proceeding in the right direction. She then recommended that each member review the Hazard Mitigation Plan that was included in the Supplemental Packet for the first meeting, for the methodology that was used on risks.

Member Engebretsen reported that since that plan was developed before the new report they are hoping that the State will be able to assist them in updating or writing a new plan this spring, indicating that what they have is basically a boiler plate. So if you have comments about that plan outside of the task force feel free to let her know as they will be having a more extensive process on that document in the near future.

Member Keiser commented that she only skimmed through the plan herself but there were some interesting sections on probability and seismicity and believed this answered some of Member Slone's questions but she will go back over that section again carefully.

Chair Aderhold reported that in that plan there were methods established to review and not reinventing the wheel if it was not necessary to save them time.

INFORMATIONAL MATERIALS

COMMENTS OF THE AUDIENCE

Ken Castner, city resident and Mayor, requested that the Task Force look into the insurance coverage that is existing or available. He continued by explaining we have personnel protection, we have

property to protect and if you make your plans too cumbersome and then cannot comply with the plan that could eliminate your insurance recovery. So he would appreciate the inclusion of insurance coverage for this sort of an event and believed it would be meaningful.

COMMENTS OF THE CITY STAFF

City Manager Dumouchel commented that it was a very interesting meeting, super fascinating and he learned a lot being a new person to Homer so it was very useful to him. He believed that the work that the task force is putting forward so far is great and he wanted to pop in for a few minutes and ended up staying for the whole thing. He looks forward to what comes out of the group and he will catch up with Julie regarding the few items they were talking about.

Deputy City Clerk Krause commented that it was a very informative meeting echoing earlier comments made on the presentation but opined that it was a little scary and believed dealing with hurricanes over earthquakes, since she grew up in Florida, was more preferable to her.

COMMENTS OF THE TASK FORCE

Member Barnwell commented that he thought he knew so much but he had to admit that he learned quite a lot tonight. The passion of the presenters and how interested they are in their work really shows.

Member Slone commented on the video they watched showing how a small wave could do that much was absolutely incredible and believed that the general public should be exposed to examples like that, you could not even stand even in a foot of water because of the debris and the significant flow it knocks you off your feet.

Member Venuti commented that it was hard to watch those videos has it brought back so many memories as a young person in Kodiak, she remembers friends who passed away having drowned, she did not want to think too much about it, but she loves Homer and believes that they are on the right path to get an awareness. She like what Ms. Suleimani said about education and awareness. They are going to get Public Works moved and really appreciate Jan being at the helm as she believed she was the right person for the job.

Member Engebretsen commented that she worked for the city when the last report came out and then the earthquake in Japan happened and then they came out with this new study like 10 to 15 years after the first one and with the availability of video and modern pictures to see the destruction in Japan which is the most prepared country in the world is something that she carried with her when she thinks about this type of planning and the vulnerabilities in multiple ways that Homer has, so she is glad that they are thinking that public works is a critical facility and some parts cannot move but parts of it can so while they want to talk about hospitals, schools, police stations and emergency shelters as places you want out of hazards way public works is very much in that same vein of facility. It was a good conversation and glad that others found it as enlightening as she did.

Member Keiser commented that she will have her emergency go bag packed and keep it under her desk.

Chair Aderhold commented that she appreciated all the work everyone did and that they are putting into this task force, she opined that she is still getting her legs under her as chair and hopefully they continue to bear with her. It was great to spend the time listening to the authors of the report and appreciated that they spent so much time with the Task Force and for each members time tonight.

ADJOURNMENT

There being no further business to come before the Task Force the meeting adjourned at 4:50 p.m. The next regular meeting is scheduled for Wednesday, March 10, 2021 at 2:30 p.m. and a Worksession is scheduled for Wednesday, March 17, 2021 at 2:30 p.m. at the City Hall Cowles Council Chambers via Zoom Webinar located at 491 E. Pioneer Avenue, Homer, Alaska.

RENEE KRAUSE, MMC, DEPUTY CITY CLERK

Approved: _____



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To: Public Works Task Force
From: Julie Engebretsen, TF member
RE: Risk Catalogue and Evaluation
Date: March 10, 2021

Resolution Task Goal #1: (re-ordered)

- Catalog and Evaluate Risks
- Develop System for Evaluating Risks
- Deliverable: Report of Findings of probable risks

Note: Goal #2 is partially to identify strategist for mitigation. Now is a great time to capture ideas.

At the work session on February 17, the Task Force (TF) identified risks if a Tsunami were to occur and impact the Public Works complex. I have summarized the comments and included information from the All Hazard Mitigation Plan, as well as the Tsunami Report presentation we heard at the last meeting. I removed comments that were general to all earthquakes, as those impacts would be felt city wide and are not specific to Public Works and Tsunamis. With the risks identified, the Task Force can evaluate them. The end goal is to create a report for the City Council of the probable risks.

The attached table is a draft and open for more discussion/organization/ideas!

At the meeting we can:

1. Add any risks we missed (or I removed)
2. Think of ways to quantify or evaluate those outcomes
3. Think of mitigation options

Attachment

1. 3 3 21 Risks Spreadsheet

Risks, Evaluation and Mitigation

	A	B	C	D
1	Impacted Group	Potential Risk/Outcome	Evaluation	Mitigation Options
2	Environment	Calcium Chloride storage	(Quantity? Value? Impact of washing into Beluga Slough?	Store at a higher elevation
3		Fueling depot for all city vehicles	Could cause a fuel spill	Move fuel depot?
4		Toxicity to people and the environment from chemicals stored at PW, and potential impact on salmon, shorebirds and nearby area	? Can PWTF quantify this?	?
5		RV holding tank storage (potential for flooding)	?How many gallons? Is this a big deal?	
6		Sewer treatment plant flooding and raw sewage escapement	Sewage spills, but cleanup of facility is possible	? Few? Facility can not be reasonably moved.
7				
8				
9	Workers	All PW admin and mechanics are located on site	All administrative support and operations for PW would immediately need a new location, along with work stations, phones and IT capabilities	? Remote work, re-home administrative functions in other city facilities (like city hall)
10		Workers are on site 12 hours a day, 7 days a week		
11		Potential loss of life		
12		All employees and rolling stock is evacuated during every Tsunami event warning. Takes about 45 minutes.		
13		Traffic risk for workers and the public as all the rolling stock is evacuated	? Does someone direct traffic at the Heath/Sterling intersection? Could they?	
14				
15				
16				

Risks, Evaluation and Mitigation

	A	B	C	D
1	Impacted Group	Potential Risk/Outcome	Evaluation	Mitigation Options
	City operations			
17		Loss of fueling depot	Immediate need to switch to local service stations. Likely to have fuel shortages for our rolling stock, including ambulances and fire trucks.	Backup fuel storage in another location, move fuel island
18		Loss of PW mechanic services due to loss of personal and city tools, parts, materials and shop space	There is substantial investment in the mechanic shop that would be difficult to replace on short notice	Hire out repair services? May not be available or have the expertise needed for emergency vehicles. Short term solution only?
19		Disruption to sewer treatment operations	Cleanup would be required, but the facility could be repaired	
20		Loss of all PW administrative offices	Loss of historical files, including all city projects	
21		Radio and communication systems would be impacted	PRV stations/water system impacted Reduction in city phone service redundancy which could affect non-emergency phone calls to dispatch	
22		Ability to supply bulk water would be reduced	? Need to see how many and where other bulk water supply points are	
23				
24	Equipment	Loss of rolling stock	PWTF: How do we quantify - value? Ease of replacement?	
25		Loss of parks equipment		
26		Loss of sand pile	Would not be able to sand roads	Store sandpile in a different location
27		Loss of other equipment and materials	Loss of culverts and other materials used for repairs	Consider storing some items (say in a connex) on higher ground.

Risks, Evaluation and Mitigation

	A	B	C	D
1	Impacted Group	Potential Risk/Outcome	Evaluation	Mitigation Options
28		Loss of motor pool equipment shop	elimination of capacity to fix police and fire vehicles, could lose whatever apparatus is currently under repair such as an ambulance	
29		Leaving equipment in an unsecured area after evacuation leaves it vulnerable to vandalism		



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Office of the City Clerk

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Memorandum

TO: PUBLIC WORKS CAMPUS TASK FORCE

FROM: RENEE KRAUSE, MMC, DEPUTY CITY CLERK

DATE: MARCH 3, 2021

SUBJECT: REVISED SCOPE OF WORK TIMELINES AND MEETING DATES

Below is the revised meeting schedule and report timelines as approved by the Task Force.

This is informational only at this time since Council has yet to approve the revised dates.

Initial Report Date	Task	New Report Date	Meeting Dates	
January 31, 2021	Report of Findings of Probable Risks <ul style="list-style-type: none">- Catalog & Evaluate Risks- Develop System for Evaluating Risks- Review Findings	April 12, 2021	2/10/21 Reg Mtg 2/18/21 WS 2/24/21 Reg Mtg 3/10/21 Reg Mtg 3/27/21 WS 3/24/21 Reg Mtg	COMPLETED COMPLETED COMPLETED
February 28, 2021	Report of Strategies including Cost Estimates <ul style="list-style-type: none">- Identifying Strategies for Mitigation of Risks Identified<ul style="list-style-type: none">o Short & Long Term Costs for mitigation strategies	May 10, 2021	4/14/21 Reg Mtg 4/28/21 Reg Mtg 5/12/21 Reg Mtg 5/26/21 Reg Mtg	
March 31, 2021	Report on Evaluation Process and Identifying Preferred Options <ul style="list-style-type: none">- Develop system for evaluating strategies- Evaluate strategies	August 9, 2021	6/9/21 Reg Mtg 6/23/21 Reg Mtg 7/14/21 Reg Mtg 7/28/21 Reg Mtg	