

Minutes of the  
**EMERGENCY PREPAREDNESS COMMITTEE**  
Friday, July 30, 2010  
Council Chambers

Present: Chair William Brehm; Vice-Chair Molly Edison; Committee Members, Les Wierson, Robert Mushen, Don Hull, Fire Chief Cleve Rooper

Guests: City Council President Sam Stiedel, Jay Raskin, Harry Yeh, Jonathan Karon and Dave Rouse

Staff: City Manager Rich Mays and Administrative Specialist Alisha Smith

CALL TO ORDER AND APPROVAL OF THE AGENDA

Brehm called the meeting to order at 10:00 a.m.

Brehm noted that he has asked Dave Rouse to join the Committee and discuss the ham radio network. Item (3) Ham Radio was added to the agenda.

Motion: Edison moved to approve the agenda as amended; Wierson seconded the motion.

Vote: Brehm, Edison, Wierson, Mushen, Hull and Rooper voted AYE; the vote was 6/0 in favor and the motion passed unanimously.

**(1) Consideration of the Minutes of the Emergency Preparedness Committee Meeting of June 25, 2010.**

Motion: Edison moved to approve the minutes of the June 25, 2010 Emergency Preparedness Committee meeting as presented; Mushen seconded the motion.

Vote: Brehm, Edison, Wierson, Rooper and Mushen voted AYE; the vote was 5/0 in favor and the motion passed. (Hull abstained from the vote since he was not present at the meeting)

DISCUSSION ITEMS

**(2) Tsunami resistant Building (TEB) Modeling Study Proposal (Harry Yeh & Jonathan Karon)**

Mays reviewed that the Budget Committee has allocated \$25,000 for a modeling study. He noted that he invited City Council President Sam Stiedel to join the meeting since he is also the Chair for the Long Term Recovery Committee and on the City Council who will be reviewing this project at the August 10, 2010 work session.

Mays introduced Harry Yeh and Jonathan Karon. Yeh presented a PowerPoint presentation titled, Comprehensive Tsunami Simulator for Cannon Beach, OR.

During his presentation, Yeh reviewed the following:

- Background Data Structure specifically for Cannon Beach.
- Tsunami Inundation Simulation.
- Cascadia Tsunami Threat to Cannon Beach, the Thorough Investigation for Cannon Beach by the Department of Geology and Mineral Industries (DOGAMI), and Tsunami Inundation Data (data will be obtained from Dr. Joseph Zhan of Oregon Graduate Institute).
- Warning Transmission Simulation and types of Tsunami Warning Transmissions used.  
The base network is composed of oral communication and media, the loudspeaker is incorporated into the oral communication network, it is assumed that natural cues (e.g.

ground shaking) are the 'primary' warning, it is also assumed that people would start to prepare for evacuation in 5-10 minutes.

- Evacuation Simulation
- Casualty Model.  
Simulation will identify 'hot spots', locations that require the most time to reach artificial safe haven (e.g. TEB).
- A Simulation Example and results for Long Beach, Washington and a Simulation Example and results for Owase, Japan.

Review of considerations for the City of Cannon Beach:

- Simulated Tsunamis at the Shoreline
- Some Concerns of Insufficient Evacuation Time
- Consideration of Evacuation Routes  
Wierson noted that 2nd Street does evacuate to high ground, on foot. Raskin reviewed that there is a pedestrian path connecting Spruce Street with South Spruce Street. Yeh noted that more information is needed from the City's staff to insure evacuation routes are correct. He also noted that clear signs to indicate evacuation routes are needed along with the distance to assembly points.
- Simulation Conditions
- Four Simulation Cases were proposed for Cannon Beach:  
Case (a) the current situation but assuming the failure of existing Ecola Creek Bridge.  
Case (b) the current situation but assuming the failure of existing Ecola Creek Bridge and placing TEB at the City Hall.  
Case (c) the current situation but assuming the failure of existing Ecola Creek Bridge and placing the pedestrian bridge over Ecola Creek.  
Case (d) the current situation but assuming the failure of the existing Ecola Creek Bridge and placing the TEB at the City Hall and the pedestrian bridge over Ecola Creek.
- Other Uses of Simulator, e.g. city planning, traffic control, and hazard mitigation including other tsunami scenarios with small costs.

In response to a question from Wierson, Yeh stated that City Planner, Rainmar Bartl will provide population figures for the study. He also noted that there is a large difference in population on weekends versus weekdays. Karon noted that a photographic estimation study on the beach during busy days will also help to estimate population.

In response to a question from Hull, Yeh noted that the simulation will not be able to recommend ideal locations for a TEB, however, other locations can be inserted into the simulator. Mays stated that the Sitka Spruce Reserve has been discussed as a possible location for a TEB but may be problematic. In response to a concerns regarding the placement of a TEB by Wierson, Karon noted that they can show different scenarios where people are evacuating to specific sites and get valuable information on how many people try to reach a location and how quickly they get there. In response to a question from Wierson, Raskin reiterated that the Sitka Spruce Reserve is problematic for community reaction.

In response to a question from Stiedel, Yeh noted that once the population has been determined for the simulator they will not be able to make changes to that number, however, they will run two or three scenarios for each base case.

In response to a question from Stiedel, Karon confirmed that minor modifications may be made to the final model.

The Committee discussed the OBEC Consulting Engineers Report for the proposed pedestrian bridge across Ecola Creek. In response to discussions, Mays stated that he would provide Karon with a copy of the report to review the specifications.

Mays asked the Committee to forward additional comments to him prior to the August 10th City Council work session.

Hull led a discussion regarding other viable sites for the TEB. Mays noted that the Geotech study will determine if the current proposed location is feasible.

Hull suggested that the City consider forming a small steering Committee to serve as a liaison with Yeh and Karon. He recommended that it consist of 1-City Councilor, 1-member of the Fire District and 1-member of the EPREP Committee.

Wierson noted his support of the study and asked that the Committee to be informed throughout the progress. Mays confirmed.

The Committee consensus was to endorse the proposal. The Committee had no objections to Yeh presenting said proposal to the Council.

### **(3) Ham Radio**

Brehm introduced Dave Rouse, President of the Cannon Beach Amateur Radio Society (CBARS). Rouse reviewed the CBARS' role in emergency communications and their current projects to improve the network.

In response to a question by Mushen, Rouse noted that the repeater system may still be operational following an earthquake. He also noted that a general license is required to operate on high frequency bands.

Hull suggested that funds be allocated in the budget for additional antennas or increasing the capabilities of current command centers. Edison noted her support and suggested that an agenda item be added for the next meeting to further discuss funding and the need for improving the network.

Brehm asked Rouse to email additional information to the Committee with additional information.

The Committee thanked Rouse for attending.

### **(4) Ad Hoc Committee Reports**

Hull noted that a couple of the Long Term Recovery Committee members have stepped down.

### **(5) 4th of July Parade-Improvements and/or Changes**

Edison shared some photos from the parade. Mushen presented ideas for next year. Wierson suggested that the Committee seek additional volunteers to interact with the public. Edison noted that the Committee received donations of candy from Bruce's Candy Kitchen and the Picnic Basket and that thank you notes were sent.

Committee members discussed storage of parade materials.

### **(6) Review of Farmers Market Booth**

The Committee discussed the booth at the Farmers Market. Brehm noted that the Committee shared the booth with ODOT. The Committee consensus was to not participate in an information booth again this year.

### **(7) Media Safety Tips**

Wierson noted that he will write a new media safety tip.

**(8) Committee Goals and Projects**

There was no discussion.

**(9) Good of the Order**

Mushen suggested that the Tsunami pamphlet be distributed to the Chamber of Commerce.

In response to a question from Wierson, Hull confirmed that the Arch Cape tunnel was recently renovated.

Hull noted that he had attended a presentation given by Yumei Wang, Geotechnical Engineer and Geohazards Team Leader for DOGAMI, and suggested that the Committee invite her to speak at the next public forum.

ADJOURNMENT

The meeting adjourned at 12:08 p.m.

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Alisha Smith, Administrative Specialist