

The Coastal Resiliency Committee
MEETING MINUTES - TUESDAY, APRIL 30, 2019
Old Water Department, Falmouth Town Hall, 4:00 p.m.

Present: Charles McCaffrey, Chair
Melissa Freitag, Vice-Chair
Jamie Mathews
Andrew Ashton
Paul Dreyer
Jennifer McKay, Conservation Commission Administrator

Absent: Ed Schmitt

Mr. McCaffrey opened the meeting at 4:10 p.m.

VOTE MINUTES

4/2/2019

Mr. Ashton: Move to adopt the minutes as written.

Mr. Dreyer: Second.

Mr. McCaffrey: Unanimous, so moved.

4/16/2019

Mr. Mathews: Move to adopt the minutes as written.

Mr. Dreyer: Second.

Mr. McCaffrey: 3 yes. Mr. Ashton abstained. The motion passed.

Discuss and prepare application to CZM Coastal Resiliency Grant Program

Mr. McCaffrey: The CZM grants have been issued. But they don't have a lot of money – only \$500,000 to \$750,000 for a total of 3 million dollars.

Ms. McKay: No, it says you may request up to \$750,000.

Mr. McCaffrey: I received an email from Pattie Bowie saying the total amount available was \$500,000. It was determined that it was for a different grant.

Mr. Dreyer: We have 8 weeks to do it. Are we considering doing salt marsh enhancement?

Mr. McCaffrey: We are studying sediment and that would have an influence on salt marshes. We need basic information and are not ready to do projects.

Ms. Freitag: Essentially we are doing step A and will apply for step B and/or step C at a later date.

Ms. McKay: Would you go over what you mean by a sediment budget? What are you looking for?

Mr. Ashton: The focus will be on sediment pathways and their effect on structures. We will be able to quantify the rate and gradients and understand transport. Does the amount being moved show historical changes? This is for beach protection.

Mr. McCaffrey: What sources of sediment are needed to maintain beaches? What are the offshore changes? We need to know about the removal of structures or inland sources. It gives us the potential for management.

Ms. Freitag: We will be establishing a climate strategy. We need to convince CZM that this is building our resilience. Is there a public education component?

Ms. McKay: This comes under the Planning, *feasibility assessment and siting* (Page 6-1st paragraph). It can't be all completed in a 10 month time frame.

Ms. Freitag: Then we're not doing this for storm damage?

Ms. McKay: Yes we are.

Ms. Freitag: The sediment study will inform better policies.

Mr. McCaffrey: That may not be strong enough. We have to identify what the ultimate construction project is. It has to lead to that.

Ms. McKay: This is just the first step.

Mr. McCaffrey: That will be leading to a specific project. They are looking for a construction project.

Ms. McKay: What's the end goal? What will you do with that information?

Mr. McCaffrey: The objective is to supply the sediment necessary to maintain our beaches.

Mr. Ashton: This is a pilot nourishment project. We are trying to be imaginative and trying to find the best spot for our project.

Ms. Freitag: We should include part C *Salt marsh enhancement*.

Mr. Dreyer: We are talking about getting money to lead to something else. We must remember we were too broad in our last grant request. We are doing a demonstration project.

Ms. Freitag: And we need data to know where to do it.

Mr. Dreyer: And we can get a measure of how we might work on the entire coast.

Ms. McKay: There are 3 areas – Chappy, Woodneck and Menauhant. We do have information re Woodneck. Applied Coastal did a study on Little Sippewissett Marsh and Woodneck Beach. I don't know if picking one area of Town is going to help.

Mr. McCaffrey: Old Silver is not having a problem now, but will suffer from sea level rise.

Ms. Freitag: Should we write the sediment budget in order to do a pilot project on Woodneck Beach? We need to look to the north and the south, analyze the information and then in the future do steps b, c, etc. We are looking at making the coastline healthier so we can protect the whole Town.

Mr. McCaffrey: We do need a large stretch of coastline

Ms. Freitag: Maybe it should cover from Chappoquoit Island to the Knob.

Mr. Ashton: Won't we go north?

Mr. McCaffrey: I would like to. We can make the argument that the focus will be on all Town beaches. The real objective is to get the information for management measures.

Ms. Freitag: Is it too much to include the beaches from Megansett through Old Silver, Chappy and Woodneck? If we're covering 2/3's of the Buzzards Bay coastline, we might as well do it all.

Mr. Ashton: That would be the pilot project to be led by this study.

Mr. Freitag: Yes, in the next funding round will be a grant request for design work.

Mr. Dreyer: Only doing the west coast? Last week we talked about both coasts.

Mr. McCaffrey: I'd like to do the south coast.

Mr. Dreyer: It would be better to go to the west coast.

Mr. McKay: And we can build on the study of Woodneck.

Ms. Freitag: That would be spreading the wealth. Buzzards Bay is more subject to hurricanes.

Ms. McKay: We can concentrate on the west coast.

Mr. McCaffrey: We can focus on Town beaches. We will get data we can use for all management sections.

Ms. McKay: Will this team put the grant together or do you want outside help? Woods Hole Group has offered to help.

Mr. McCaffrey: I would like their help, but not to write it. They can tell us where to find the information re this. It would be good to get some advice.

Ms. McKay: We have that information already. We have those studies. You don't need them to tell us that. You could ask APCC for help.

Mr. McCaffrey: Once we have our proposal ready we can start issuing an RFP with the proviso that it will only be if we get the grant.

Ms. McKay: I don't know if you can do that.

Ms. Freitag: If it were less than a \$100,000 grant we could start that RFP.

Ms. McKay: I will ask the question.

Mr. McCaffrey: That could save a significant amount of time.

Mr. Dreyer: We need a detailed request with an identified area.

Ms. McKay: 5a, on page 4 (*Beach, berm and dune enhancement or creation*) is what we're doing. Also 5c on page 5 (*Salt marsh enhancement*).

Mr. Ashton: A nourishment project followed by laws and design.

Ms. Freitag: It is a holistic approach that will focus on salt marsh enhancement and local bylaws.

Ms. McKay: Can you type up your ideas and send it to us.

Mr. Ashton: Yes.

Ms. McKay: I can bring that to APCC and ask for a ball park figure on what it would cost.

Mr. Ashton: I don't want to spend days on this myself.

Ms. McKay: Just give me a proposal.

Mr. Dreyer: We are planning a feasibility study.

Mr. McCaffrey: There will be multiple things flowing from the study. We are not asking to do those things now. We will get clear ideas of how the information will be used.

Mr. Dreyer: It's not just beach nourishment. It's *Nature-based Storm-Damage Protection Techniques* also. (page 4, paragraph 5)

Mr. McCaffrey: The important part of the project is that we will have the results of the Vulnerability Assessment which will give us information on what the effects of coastal storms and sea level rise will be in 2030, 2050 and 2070. Can Surf Drive be protected in any way? We will have those results this summer. How do we create a beach at the new shoreline?

Ms. McKay: The grant is due June 3rd and must be completed and sent by May 31st.

Mr. McCaffrey: I will write an outline leaving blanks and send it to Melissa who will go over it.

Ms. McKay: I will reach out to Joanne Marimoto (APCC) and ask her what kind of support her group can offer. We can ask questions of CAM up until this Monday, May 6th. I will get this on the Selectmen's agenda tomorrow.

Mr. Ashton: Is there a concern if we have a consulting firm selected by the day we get the grant? Then we can bring a consultant on board at the beginning of the project.

Mr. Dreyer: We can put out a request for qualifications and then we will have a list of people who are interested.

The Committee will meet on Tuesday the 7th and the 14th.

Mr. Dreyer: Move to adjourn.

Mr. Ashton: Second.

Mr. McCaffrey: Unanimous, so moved.

The meeting adjourned at 5:25 p.m.

Respectfully submitted,

Susan Cronin, Recording Secretary