SWEETWATER SPRINGS WATER DISTRICT

TO: Board of Directors **AGENDA NO. V-D**

FROM: Ed Fortner, General Manager

Meeting Date: November 5, 2020

SUBJECT: Local Hazard Mitigation Plan (LHMP) Update

RECOMMENDED ACTION: Receive report from the General Manager. Update of the Local Hazard Mitigation Plan.

FISCAL IMPACT: $30,074

DISCUSSION:

At the August 6th Board meeting, the Board approved Harris and Associates to undertake and complete a Local Hazard Mitigation (LHMP) to help the District qualify for FEMA grants. Eric Vaughan, with Harris and Associates, Jack Bushgen, Julie Kenny, and I participated in the first Planning Committee meeting on September 4th. The second meeting of the committee and public was conducted as a special called Board meeting on October 22nd. Good discussion around hazards and the LHMP process occurred at the meeting and was very productive. We have since followed up on all the action items coming out of the meeting. A detailed timeline of the project and the second meeting minutes are attached.

Sweetwater Springs – 2021 Local Hazard Mitigation Plan
Planning Committee Meeting #2 – Risk Assessment
October 22, 2020

MEETING MINUTES

Name of Meeting: Planning Committee Meeting #2
Date of Meeting: October 22, 2020
Time: 1:30 PM to 3:30 PM
Location: Webex Conference
Subject: The purpose of the meeting was to present the risk assessment and provide an overview of mitigation goals and strategies to the SSWD Board of Directors.

Meeting Attendees:

NAME	COMPANY/AGENCY	TITLE
Ed Fortner	Sweetwater Springs Water District	General Manager
Sukey Robb-Wilder	Sweetwater Springs Water District	Board Member
Larry Spillane	Sweetwater Springs Water District	Board Member
Tim Lipinski	Sweetwater Springs Water District	Board Member
Rich Holmer	Sweetwater Springs Water District	Board Member
Gaylord Schapp	Sweetwater Springs Water District	Board Member
Steve Mack	Sweetwater Springs Water District	Former GM
Julie Kenny	Sweetwater Springs Water District	Administration Manager
Jack Bushgen	Sweetwater Springs Water District	Field Manager

Note: Planning Meeting #2 was a special meeting of the SSWD Board of Directors. It was publically advertised as a Board Meeting on the District's webpage. As a meeting of the Board, the public was invited to participate and there was an opportunity for public comment during the meeting.

ITEM	DISCUSSION	ACTION BY
1.	Call to Order by Rich Holmer. Board and Harris Team introduced themselves.	
2.	• Eric presented selected hazards of concern from prior planning meeting. Rich Holmer mentioned 1906 Earthquake that resulted in extensive damage in Sonoma County. Recommendation to say "Yes" with respect to earthquake history. • Eric shared that drought determinations were made based on potential damage to infrastructure. • Steve Mack had a question on earthquake/landslides: decision of what materials to use for the distribution center. In areas where the District is worried about landslides, use HDPE. Maybe we should be using it everywhere. Is that a funding possibility from FEMA? • Eric mentioned that HDPE piping has some risks due to wildfires releasing benzene. • Steve Mack doesn't want us to use Sonoma County's information on water rights, because there is conflicting opinion's between Sonoma Water and the District's understanding of water rights. • Steve Mack would like to add pollution in the river as a hazard of concern. Had to shut off wells numerous times due to releases in the river. Guerneville wastewater treatment plan has periodic releases from broken pipes or overflow events. • Sukey agreed that pollution should be added to the list of hazards. • Rich noted that there was discussion of pollution risk at next board meeting. Understanding that we are limited to FEMA/natural hazards. • Eric shared that FEMA is not looking for pollution hazards, and is not eligible to FEMA grant funds. AWIA (2018) assessment does include risks from contamination/pollution exposure. AWIA also has direct link to ERP, which is a more appropriate planning document to direct staff to respond to contamination risk.	Carolyn to edit Hazard of Concern table—change from "no" to "yes" for hazard history for earthquake and drought hazards.

3.	**Historical Events** • Wildfire Historical Events—list of previous wildfires in the region. Ed added a few more recent fires. • Napa/Loma Prieta/Rodgers Creek didn't result in significant damage to the District. • Ed mentioned some smaller landslides that have occurred in the District in addition to those listed in the powerpoint slide. • Rich Holmer mentioned the link between wildfires and erosion control/landslides. Damage to water system from landslides. • Steve Mack noted difference between slow-moving and fast-moving landslides. • County GIS group has extensive mapping of wildfire mapping. Ed has anecdotal information of landslide events (mostly slow-moving). Ongoing issues in west Sonoma county. FEMA mitigation projects from landslides ongoing. • Rich mentioned that there are slope stability maps from the County. • Make sure to add historical flood events since 2015 to update table. And indicate 10-year, 100-year flood thresholds. Annual flooding threshold is also an important benchmark to the City. Also add streamflow (cfs). Revised flood maps since 2008.	• Carolyn to add wildfire events from Ed • Ed to send wildfire overlay maps or GIS files. • Carolyn to add 1906 earthquake, off the coast of Point Reyes. • Carolyn to include landslide as a secondary hazard to wildfire events. • Ed to send Eric anecdotal information on landslides. • Carolyn to confirm date of last FIRM panels used to map Flood zone (2012)
4.	• Carolyn presented an overview of risk assessment results for each hazard. • Sonoma county may have update hazard layers for flood and landslide. Has flood data at the parcel level. • Include breakdown of assets and replacement values as appendix (flood and earthquake).	• Carolyn to update liquefaction hazard analysis to reflect treatment plants in hazard zone. • Carolyn to include breakdown of assets and replacement values as appendix of risk assessment. • Carolyn to check direction of PGA for earthquake scenarios. • Ed to send Carolyn updated GIS file of fire hydrants.

		• Ed to send Carolyn distribution system pipelines (and indicate what areas are above ground) • Carolyn to update risk analysis with "miles of pipeline" in the liquefaction, landslide, and wildfire hazard zone.
5.	• Eric reviewed process for developing mitigation goals and objectives. He also presented goal examples for the LHMP. • Ed suggested meeting and exceeding regulatory compliance. Up to Board to determine specificity.	
6.	• Eric provided a review of goals, actions, and action plan. Provided examples of "types" of actions. • There was interest in incorporating mitigation actions into Capital Improvement Plan.	
7.	Suggestion to provide Harris Team with Emergency Response Plan.	Ed to send ERP to Harris.
9.	Next step to set a date for review of risk assessment. Meeting adjourned at 3:30pm	

HARRIS AND ASSOCIATES
LOCAL HAZARD MITIGATION PLAN

PROJECT SCHEDULE

Months	Key Tasks	Meetings & Workshops	Key Milestones/ Deliverable
July 2020	-Pre-Meeting with Project Manager -Existing Document Review -Identify Required Participants -Invite Plan Participants -Establish Planning Committee -Document the Planning Process -Identify and Review District Assets	Pre-Meeting	Fully Executed Professional Services Agreement
August 2020	Assess and Select Hazards of Concern		Draft Element A: Planning Process
September 2020	Conduct Risk Assessment for Selected Hazards	Planning Committee Meeting #1: Kickoff and Select Hazards of Concern (September 4th) Planning Committee Meeting #2: Solicit Feedback on Risk Assessment	Draft Element B: Risk Assessment
October 2020	-Develop Mitigation Goals -Develop and Launch Online Survey -Prioritize Mitigation Actions -Develop Action Plan	-Planning Committee Meeting #3: Solicit input on Mitigation Actions -Public Workshop #1: Solicit Public Input on Risk Assessment & Mitigation Actions	-Public Survey -List of Mitigation Strategies from Planning Committee
November 2020	-Integrate Public Feedback -Public Review of Plan	Public Workshop #2: Solicit Public Input on Draft Plan	-Draft Element C: Mitigation Strategies -Complete Full Public Review Draft
December 2020	Cal OES Review		Cal OES Review Draft
January 2020	FEMA Review		FEMA Review Draft
February 2020	SSWD Board Adoption	SSWD Board Meeting	Approved and Adopted LHMP