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CRS Activity 510

Progress Report on Implementation of Credited Plan

Date this Report was Prepared:	June 20, 2023
Name of Community:	Solano County
Name of Plan:	Multi-Jurisdictional Hazard Mitigation Plan
Date of Adoption of Plan:	March 1, 2022
5 Year CRS Expiration Date:	March 1, 2027

1. How can a copy of the credited Hazard Mitigation Plan (Floodplain Management Plan) or Repetitive Loss Area Analysis be obtained?:

https://www.solanocounty.com/depts/oes/emergency_plans.asp

AND

<http://mitigatehazards.com/solanohmp/hmp/>

2. Describe how *this annual progress report* (not the credited Hazard Mitigation Plan or Repetitive Loss Area Analysis) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

This annual progress report was prepared after reviewing the Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). It has been posted to the Solano County website and is available to the public by request via email or by visiting the front counter of the Solano County Resource Management office.

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

Below are flood hazard mitigation strategies from the MJHMP and a statement on the implementation during the previous year.

- **Mitigation Strategy:** To reduce flood risk, and thereby reduce the cost of flood insurance to property owners, work to qualify for the highest-feasible rating under the Community Rating System of the National Flood Insurance Program.
 - **Implementation:** The Solano County Building Division continues to enforce all California Building Code & FEMA requirements for development in all SFHAs.

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- Balance the housing needs of residents against the risk from potential flood-related hazards.
 - The Solano County Building Division continues to allow new housing in SFHAs but also enforces all Building Code & FEMA requirements for development in all SFHAs.
- Institute an aggressive program similar to San Francisco's Building Occupancy Resumption Program (BORP). This program permits owners of private buildings to hire qualified structural engineers to create building-specific post-disaster inspection plans and allows these engineers to become automatically deputized as City/County inspectors for these buildings in the event of an earthquake or other disaster.
 - Several County staff members have maintained SAP certification to allow for deployment and assessment of structures following disasters.
- Conduct appropriate employee training and support continued education to ensure enforcement of building codes and construction standards, as well as identification of typical design inadequacies of housing and recommended improvements.
 - Continuing education is ongoing for County Building Division staff through in person seminars, webinars, and training programs and is also required to maintain ICC certifications and engineering licensure.
- Enforce provisions under creek protection, stormwater management, and discharge control ordinances designed to keep watercourses free of obstructions and to protect drainage facilities to conform with the Regional Water Quality Control Board's Best Management Practices.
 - This is enforced by the Solano County Public Works Division.
- Elevate critical bridges affected by flooding to increase stream flow and maintain critical access and egress routes.
 - This has not taken place. No bridge elevation projects have occurred in the past year.
- Ensure that utility systems in new developments are constructed in ways that reduce or eliminate flood damage.
 - This is enforced by the Building Division during the plan review of building permits and also the inspection process during construction for new development in the SFHA. Pre and post-construction elevation certificates are reviewed for every project in the SFHA demonstrating that the required 1 foot of freeboard above the flood elevation is provided as required in the 2022 California Residential Code.
- Apply floodplain management regulations for development in the floodplain and floodway.
 - This is enforced by the Building Division during the plan review of building permits and also the inspection process during construction for new development in the SFHA. Pre and post-construction elevation certificates are reviewed for every project in the SFHA.
- Encourage home and apartment owners to participate in home elevation programs.
 - This is only enforced where required by FEMA, Building Code, and CRS.

- Encourage owners of properties in a floodplain to consider purchasing flood insurance. For example, point out that most homeowners' insurance policies do not cover a property for flood damage.
 - This is accomplished through annual mailings to residents, banks, and lenders and also via handouts available in the Resource Management public lobby area.
- Incorporate FEMA guidelines and suggested activities into local government plans and procedures for managing flood hazards.
 - The Solano County Building Division continues to enforce all Building Code & FEMA requirements for development in all SFHAs.
- Establish and enforce regulations concerning new construction (and major improvements to existing structures) within flood zones in order to be in compliance with federal requirements and, thus, be a participant in the Community Rating System of the National Flood Insurance Program.
 - Regulations are enforced by the Building Division during the plan review of building permits and also the inspection process during construction for new development in the SFHA. Pre and post-construction elevation certificates are reviewed for every project in the SFHA.

4. Discuss why any objectives were not reached or why implementation is behind schedule:

We have not actively encouraged residents to elevate their homes in the past unless it was required per Building, FEMA, and CRS requirements. Also, no bridges were elevated in the past twelve months.

5. What are the recommendations for new projects or revised recommendations?

- Elevate Buildings in the Repetitive Loss Areas
- Coordinate the Grants for Building Elevation Between the County and SCWA
- Construct priority detention basin projects and/or other flood improvements. Identify priority projects subject to future sea level rise impacts.
- Initiate an annual notification of flood risk to the owners of all buildings in special flood hazard areas
- Widen channels for the Ulati Flood Control Project
- Conduct outlet improvements for Green Valley Flood Control Project
- Maintain flood channel maintenance records.
- Remove sediment in reservoirs
- Expand protected private and public open space in the County.
- Maintain clear passage for water flow in the portion of Suisun Creek west of Fairfield by removing debris twice a year at minimum.
- Inventory drainages requiring routine debris management; develop debris management schedule and maintain database for this purpose.