

Community Rating System Activity 510

Progress Report on Implementation of Credited Floodplain Management Plan

Date this Report was Prepared: August 17, 2022

Name of Community: City of Salem 410167

Name of Plan: City of Salem Floodplain Management Plan

Date of Adoption of Plan: May 14, 2018

5 Year CRS Expiration Date: May 14, 2023

Original Plan can be viewed here: <https://www.cityofsalem.net/CityDocuments/floodplain-management-plan.pdf>

Summary: This evaluation report is being prepared as an attachment to an Information Staff Report, File ID. 22-407 which will be presented to City Council on September 12, 2022, released to the media, and made available to the public on the City of Salem website. A citizen committee performed its annual evaluation of the *Floodplain Management Plan* in compliance with Federal Emergency Management Agency (FEMA) requirements for the Community Rating System. The annual review includes an overall evaluation of the Plan in addition to a detailed review of Appendix H (Flood Information and Outreach Plan) and Appendix I (Flood Insurance Plan). The Committee, comprised of both City staff and community stakeholders, completed its evaluation on August 17, 2022. Below is a brief description of the status of implementation of each action item in the action plan:

Floodplain Management Plan Action Items Completed

ID	Action Item	Status	Timeline
PA3	Establish Stormwater Master Plan policies to reduce peak flows during 100-year flood events	Stormwater Master Plan adopted under Ordinance 11-20 in October 2020.	Complete
PA6	Adopt Oregon model floodplain management ordinance	Adopted under Ordinance Bill No. 17-19 in October 2019	Complete
PA10	Modify floodplain ordinance to require 1-foot freeboard for equipment servicing buildings	Adopted under Ordinance Bill No. 17-19 in October 2019 and amended under Ordinance Bill No. 8-20 in September 2020	Complete
PA11	Update stormwater ordinance to manage runoff from all storms up to and including the 100-year event	Adopted under Ordinance Bill No. 8-20 in in September 2020	Complete
PP5	Analyze repetitive loss areas	Analysis completed by West	Complete

ID	Action Item	Status	Timeline
		Consultants. Final report will be forwarded to City Council for adoption by Resolution.	
ES4	Investigate dam failure threat to Salem and prepare plan	Inventory approved by FEMA as part of CRS Class 4 application.	Complete
ES5	Create a levee inventory	Inventory approved by FEMA as part of CRS Class 4 application.	Complete
SP2	Include damage assessments from Natural Hazard Mitigation Plan as a criterion for prioritizing CIP projects	Stormwater Master Plan adopted under Ordinance 11-20 in October 2020.	Complete
SP3	Update Stormwater SDC methodology consistent with Stormwater Master Plan to provide funding for capital projects	Resolution No. 2019-7 was adopted by Council on February 25, 2019	Complete
NR5	Develop and maintain watershed management plans	An element in the Stormwater Master Plan adopted under Ordinance 11-20 in October 2020.	Complete
PA13	Update Salem Zoning Maps with public land identified as Open Space	Committee member recommended amendment to Floodplain Management Plan in 2019. New areas of parks, open space, and outdoor recreation, identified as Public Amusement (PA) zone, were adopted as part of the Our Salem Comprehensive Plan update.	Complete

Floodplain Management Plan Action Items Ongoing or in Process

ID	Action Item	Status	Timeline
PA1	Maintain benchmark data	Benchmarks are maintained by City Surveyor based on project needs.	Ongoing
PA2	Inspect and clean streams and stormwater facilities annually	Identified as RC4, Task 7, of the City's Stormwater Management Plan. Committee to review 2023 plan updates at 5-year FMP review.	Ongoing
PA4	Promote low impact development practices in development and redevelopment projects	Green stormwater infrastructure is required for most development projects	Ongoing
PA5	Create 100-year inundation maps using data from Stormwater Master Plan	West Consultants generated inundation areas in properties not shown on federal flood maps. Staff anticipates amendment of administrative rule 109-020 by end of 2022.	In-process
PA7	Provide additional staff training in administering regulations	Public Works staff includes two Certified Floodplain Managers who	Ongoing

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		receive training to maintain certification, and an additional staff member is planning to become certified in FY 22/23.	
PA8	Coordinate stormwater and flood management regulations with communities and organizations that share Salem's watersheds	Coordination efforts are ongoing for the City's Stormwater Master Plan and Stormwater Management Plan	Ongoing
PA9	Improve program for periodic site inspections of existing development within the floodplain	Inspections are completed by staff throughout the process of building construction	Ongoing
PP1	Improve floodplain protection assistance program	Program featured in outreach project OP1, Appendix H	Ongoing
PP2	Implement Flood Insurance Plan	Coverage improvement projects completed and reviewed by Floodplain Advisory Committee	Ongoing
PP3	Acquire easements for public and private stormwater facilities	Identified as RC2, Task 3, of the City's 2010 Stormwater Management Plan. Committee to review 2023 plan updates at 5-year FMP review.	Ongoing
PP4	Investigate financial assistance program for Elevation Certificates and Letter of Map changes	Staff analyzed GIS data to generate a list of properties eligible for removal from floodplain, and WEST Consultants is finalizing the analysis and preparing LOMC applications.	In process
NR1	Provide grant funding for restoration projects in riparian areas	Identified as RC8 of the City's Stormwater Management Plan Committee to review 2023 plan updates at 5-year FMP review.	Ongoing
NR3	Enhance natural functions for City-owned properties in the floodplain	Projects continue to be implemented. The Phase 2 wetland mitigation project at Mill Creek Corporate Center has been implemented. The Phase 3 floodplain forest restoration project at Minto Brown Island Park Is in the third year of a five-year project.	Ongoing
NR7	Increase quality and quantity of vegetative cover	Urban Forestry has expanded an inventory of City owned trees. The City has contracts with multiple groups to plant and establish more trees along streets and on City owned properties. SRC 86 is undergoing updates to improve the species diversity of new tree plantings and clarify the process of protecting City owned trees.	Ongoing

ID	Action Item	Status	Timeline
ES1	Implement emergency response plans for critical facilities	Implemented through City's Emergency Management Plan	Ongoing
ES2	Create post-flood procedures for gathering flood data	Flood data collector application tested during December 2019 flood event. Additional procedures postponed but expected in 2022.	Ongoing
ES3	Improve flood warning and response	Flood Warning and Response plans updates considered as part of annual review in Winter 2022	Ongoing
ES8	Implement post-disaster mitigation policies from the Emergency Management Plan	Post-disaster policies improvements discussed at January 2019 Flood Tabletop Exercise performed at the EOC level. Recommend SEMP annex update within the next 2 years. No changes.	Ongoing
SP1	Construct stormwater capital improvement projects	Implemented through City's Capital Improvement Program	Ongoing
PI2	Implement a Program for Public Information	See Attachment 2	Ongoing
PI3	Improve information on City website regarding floodplain management as needed to improve CRS rating	Annual review scheduled as part of CRS recertification, conducted prior to October 1, 2022	Ongoing
PI4	Coordinate floodplain management outreach efforts with the City's stormwater program implementation activities	Floodplain management staff continues to coordinate with Public Works Outreach and Education Coordinators. Urban Streamside Program Coordinator was hired in Spring of 2022 and will focus on efforts to improve outreach to streamside residents.	Ongoing
PI5	Compile and improve outreach materials to guide property owners in planting and habitat restoration of flood-prone properties	Green Stormwater Infrastructure guides added to City's website to encourage natural infrastructure methods on private property	Ongoing

Floodplain Management Plan Action Items Remaining

ID	Action Item	Status	Timeline
ES6	Modify questionnaires that are used during flood events to improve data	No activity	3–5 years

ID	Action Item	Status	Timeline
ES7	Investigate development of incentives for critical facilities and industries in the floodplain to develop flood warning and response plans	No activity	3–5 years
PI1	Require hazard disclosure in real-estate transactions	No activity	0–2 years
PI6	Improve outreach regarding protection of tree canopy for reducing stormwater runoff	SRC 808 “Preservation of Trees and Vegetation” ordinance was updated to include protection of all trees over 30-inches. Outreach opportunity options to be coordinated with new Stormwater Outreach Coordinator.	3–5 years
PA12	Protect buildings from shallow flooding	No activity	3–5 years
PA14	Investigate adoption of a new floodplain/ natural area zone in the Salem Revised Code	No Activity.	3-5 years
NR2	Amend <i>Salem Revised Code</i> to implement provisions of the <i>Endangered Species Act</i> as they relate to floodplain development	Awaiting DLCD modification of model ordinance to incorporate Endangered Species Act policies	0–2 years
NR4	Form Watershed Planning Committee	No activity	3–5 years
NR6	Streamline process to accept land donations to City for natural areas	No activity	3–5 years

Floodplain Management Plan Action Item Modifications

ID	Action Item	Status	Timeline
PA15	Prepare Substantial Damage Management Plan in conformance with CRS Activity 510	City staff has analyzed existing data sources and have compiled a list of properties subject to substantial damage. The plan is expected to be complete by the end of 2022.	In process
NR8	Prepare a Flood Species Assessment in conformance with CRS Activity 510	Glenn-Gibson Watershed Council is investigating preparation of a flood species assessment for Salem.	3-5 years

Flood Insurance Plan Action Items

ID	Action Item	Status	Timeline
CP1	City newsletter article	Scheduled articles in City of Salem Community Connections publication	Bi-annual
CP2	Stakeholder training session	Pending October IFHA schedule	Bi-annual
CP3	Presentations to neighborhood associations	IFHA NA presentations in September 2022	Bi-annual
CP4	Real estate and property management flier	"Flood Hazards" flyer disseminated to local real estate agents and property management companies.	Annual
CP5	Project involving mayor/council per CRS guidelines	Notice from Mayor scheduled for September OP1 2022 mailing	Annual
CP6	Social media messages	Social media messages January 2022, May 2022 and scheduled for September Preparedness Month	Annual