

Community Rating System Activity 510

Progress Report on Implementation of Credited Floodplain Management Plan

Date this Report was Prepared: August 26, 2019

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. 19-410, which will be presented to City Council on September 9, 2019, 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, recommended a few minor adjustments to the Plan and completed its evaluation on August 23, 2019. 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
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	0–2 years

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	Ongoing
PA4	Promote low impact development practices in development and redevelopment projects	Green stormwater infrastructure is required for most development projects	Ongoing
PA7	Provide additional staff training in administering regulations	Public Works staff includes three Certified Floodplain Managers who receive training to maintain	Ongoing

		certification	
PA8	Coordinate stormwater and flood management regulations with communities and organizations that share Salem's watersheds	Mill Creek Watershed Flood Mitigation Advisory Committee discussed stormwater regulations with representatives from City of Turner, City of Stayton, City of Aumsville and Marion County. IGA's have not been discussed, conversations are ongoing.	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 Stormwater Management Plan	Ongoing
PP5	Analyze repetitive loss areas	Consultant is scheduled to complete repetitive loss area analysis by end of 2019.	0-2 years
NR1	Provide grant funding for restoration projects in riparian areas	Identified as RC8 of the City's Stormwater Management Plan	Ongoing
NR3	Enhance natural functions for City-owned properties in the floodplain	Projects continue to be implemented. Recently funded projects include daylighting Pringle Creek at Boise, restoring Willamette Slough and improvements to Minto Island Conservation Area.	Ongoing
NR7	Increase quality and quantity of vegetative cover	Tree inventory report published in 2018. Tree planting committees focusing on tree planting inventory in Riparian Corridors. 155 large trees and 4,625 other plants planted during project year. 147 trees planted in City right-of-way as part of contract project to increase street tree canopy.	Ongoing
ES1	Implement emergency response plans for critical facilities	Implemented through City's Emergency Management Plan	Ongoing
ES3	Improve flood warning and response	Flood Warning and Response plans updates considered as part of annual review in Winter 2019	Ongoing
ES4	Investigate dam failure threat to Salem and prepare plan	Consultant is scheduled to complete plan by end of 2019.	0-2 years
ES5	Create a levee inventory	Consultant is scheduled to complete plan by end of 2019.	0-2 years

ES8	Implement post-disaster mitigation policies from the Emergency Management Plan	Post-disaster policies improvements discussed at January 2019 Flood Table Top Exercise performed at the EOC level. Recommend SEMP annex update within the next 2 years	3-5 years
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, 2019	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	Ongoing

Floodplain Management Plan Action Items Remaining

ID	Action Item	Status	Timeline
PA3	Establish Stormwater Master Plan policies to reduce peak flows during	Proposed as a future policy in the Stormwater Master Plan	0–2 years
PA5	Create 100-year inundation maps using data from Stormwater Master Plan	Proposed as a figure in the Stormwater Master Plan and to be adopted as an Interim Flood Hazard Area.	0–2 years
PA6	Adopt Oregon model floodplain management ordinance	Proposed for adoption in conjunction with map changes dated October 18, 2019.	0–2 years
PA10	Modify floodplain ordinance to require 1-foot freeboard for equipment servicing buildings	Planned for adoption by end of 2019	0–2 years
PA11	Update stormwater ordinance to manage runoff from all storms up to and including the 100-year event	Planned for adoption by end of 2019	0–2 years
PA12	Protect buildings from shallow flooding	Staff is investigating options for creating local drainage protection guidelines that conform with CRS guidelines.	3–5 years
PP4	Investigate financial assistance program for Elevation Certificates and Letter of Map changes	Staff has performed initial investigation of preliminary survey costs, but delayed further progress pending Lidar data collection	0–2 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 DLCDC modification of model ordinance to incorporate Endangered Species Act policies	0–2 years
NR4	Form Watershed Planning Committee	Mill Creek Watershed Technical Advisory Committee finishing FEMA	3–5 years

		grant Phase 1 study	
NR5	Develop and maintain watershed management plans	Proposed as an element in the Stormwater Master Plan	0–2 years
NR6	Streamline process to accept land donations to City for natural areas	No activity	3–5 years
ES2	Create post-flood procedures for gathering flood data	Flood data collector application created and tested at annual flood response exercise in January 2019 and during April 2019 Willamette Flood Event. Damage assessment collector app for property damage created by IT.	3–5 years
ES6	Modify questionnaires that are used during flood events to improve data	No activity	3–5 years
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
SP2	Include damage assessments from Natural Hazard Mitigation Plan as a criteria for prioritizing CIP projects	Proposed as a future policy in the Stormwater Master Plan	0–2 years
PI1	Require hazard disclosure in real-estate transactions	Hazard disclosure required. Other methods of disclosure, as described in CRS manual, are pending.	0–2 years
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	3–5 years
PI6	Improve outreach regarding protection of tree canopy for reducing stormwater runoff	Permit staff has enhanced tree protection and planting requirements for redevelopment and new development projects. Coordinated outreach efforts are pending.	3–5 years

Floodplain Management Plan Recommended Changes

ID	Action Item	Status	Timeline
PA13	Update Salem Zoning Maps with public land identified as Open Space	Committee member recommended amendment to Floodplain Management Plan	0-2 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	Training Session scheduled September 2019	Bi-annual
CP3	Presentations to neighborhood associations	Northgate NA presentation 11/13/18, Northeast NA presentation 4/2/19	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 2019 mailing	Annual
CP6	Social media messages	Social media messages April 2019 during Willamette River flood event, scheduled for September Preparedness Month	Annual