

Table 110-2. Credit points awarded for CRS activities.*				
Activity	Maximum Possible Points	Maximum Points Earned	Average Points Earned	Percentage of Communities Credited
300 Public Information Activities				
310 Elevation Certificates	116	116	38	96%
320 Map Information Service	90	90	73	85%
330 Outreach Projects	350	350	87	93%
340 Hazard Disclosure	80	62	14	84%
350 Flood Protection Information	125	125	38	87%
360 Flood Protection Assistance	110	100	55	41%
370 Flood Insurance Promotion ⁵	110	110	39	4%
400 Mapping and Regulations				
410 Flood Hazard Mapping	802	576	60	55%
420 Open Space Preservation	2,020	1,603	509	89%
430 Higher Regulatory Standards	2,042	1,335	270	100%
440 Flood Data Maintenance	222	249	115	95%
450 Stormwater Management	755	605	132	87%
500 Flood Damage Reduction Activities				
510 Floodplain Mgmt. Planning	622	514	175	64%
520 Acquisition and Relocation	2,250	1,999	195	28%
530 Flood Protection	1,600	541	73	13%
540 Drainage System Maintenance	570	454	218	43%
600 Warning and Response				
610 Flood Warning and Response	395	365	254	20%
620 Levees	235	207	157	0.5%
630 Dams	160	99	35	35%
<p>* Figures are based on communities that have received verified credit under the 2013 <i>CRS Coordinator's Manual</i> (about 43% of CRS communities), as of October 2016. The maximum possible points are based on the 2013 <i>Coordinator's Manual</i>. Growth adjustments are not included.</p>				

310 ELEVATION CERTIFICATES—Summary

Maximum credit: 116 points

312 Elements

- a. **Maintaining Elevation Certificates (EC):** Up to 38 points for maintaining Federal Emergency Management Agency (FEMA) Elevation Certificates on all buildings built in the Special Flood Hazard Area (SFHA) after the date of application to the Community Rating System (CRS). All communities applying to the CRS must apply for this element. The community must make copies of the certificates available to all inquirers.
- b. **Maintaining Elevation Certificates for post-FIRM buildings (ECPO):** Up to 48 points for maintaining Elevation Certificates on buildings built before the date of application to the CRS but after the initial date of the Flood Insurance Rate Map (FIRM).
- c. **Maintaining Elevation Certificates for pre-FIRM buildings (ECPR):** Up to 30 points for maintaining Elevation Certificates on buildings built before the initial date of the FIRM.

Credit Criteria

All three elements of this activity have the same credit criteria, described in Section 311.b.

- a. The community must maintain completed Elevation Certificates showing the “finished construction” elevations for all buildings constructed or substantially improved in the SFHA during the period credited.
- b. For floodproofed buildings, a FEMA Floodproofing Certificate is needed instead of an Elevation Certificate. Other certificates may be needed in coastal high hazard areas and for floodproofed residential basements.
- c. The community must ensure that the certificates are complete and the information correct.
- d. The community must make copies of Elevation Certificates readily available to anyone upon request.

Impact Adjustment

There is no impact adjustment for EC. The credit for ECPO and ECPR are adjusted based on the number of post-FIRM and pre-FIRM buildings in the community.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

320 MAP INFORMATION SERVICE—Summary

Maximum credit: 90 points

322 Elements

- a. **Basic FIRM information (MI1):** 30 points for providing basic information found on a Flood Insurance Rate Map (FIRM) that is needed to write a flood insurance policy.
- b. **Additional FIRM information (MI2):** 20 points for providing information that is shown on most FIRMs, such as protected coastal barriers, floodways, or lines demarcating wave action.
- c. **Problems not shown on the FIRM (MI3):** Up to 20 points for providing information about flood problems other than those shown on the FIRM.
- d. **Flood depth data (MI4):** Up to 20 points for providing information about flood depths.
- e. **Special flood-related hazards (MI5):** Up to 20 points for providing information about special flood-related hazards, such as erosion, ice jams, or tsunamis.
- f. **Historical flood information (MI6):** Up to 20 points for providing information about past flooding at or near the site in question.
- g. **Natural floodplain functions (MI7):** Up to 20 points for providing information about areas that should be protected because of their natural floodplain functions.

Credit Criteria

Credit criteria for this activity are described in Section 321.b. Each element has additional criteria specific to that element.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

The documentation needed for this activity is described in Section 325.

330 OUTREACH PROJECTS—Summary

Maximum credit: 350 points

Although the total of all elements in this activity exceeds 350 points, the maximum credit is 350 points.

332 Elements

- a. **Outreach projects (OP):** Up to 200 points for designing and carrying out public outreach projects. Credits for individual projects may be increased if the community has a Program for Public Information credited in element PPI.
- b. **Flood response preparations (FRP):** Up to 50 points for having a pre-flood plan for public information activities ready for the next flood. Credits for individual projects may be increased by the PPI multiplier.
- c. **Program for Public Information (PPI):** Up to 80 points added to OP credits and up to 20 points added to FRP credits, for projects that are designed and implemented as part of an overall public information program.

NOTE: A Program for Public Information can help design an entire public information program, not just outreach projects. A Program for Public Information that covers other types of public information endeavors, such as a website and technical assistance, can result in increased credit under other activities.

- d. **Stakeholder delivery (STK):** Up to 50 points added to OP credits for having information disseminated by people or groups from outside the local government.

Credit Criteria

Each element has a separate section describing credit criteria.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

340 HAZARD DISCLOSURE—Summary

Maximum credit: 80 points

342 Elements

- a. **Disclosure of the flood hazard (DFH):** Up to 25 points if real estate agents notify those interested in purchasing properties located in the Special Flood Hazard Area (SFHA) about the flood hazard and the flood insurance purchase requirement. An additional 10 points are provided if the disclosure program is part of a Program for Public Information credited under Activity 330 (Outreach Projects).
- b. **Other disclosure requirements (ODR):** Up to 5 points for each other method of flood hazard disclosure required by law, up to a maximum of 25 points.
- c. **Real estate agents' brochure (REB):** Up to 8 points if real estate agents are providing brochures or handouts that advise potential buyers to investigate the flood hazard for a property. An additional 4 points are provided if the disclosure program is part of a Program for Public Information credited in Activity 330 (Outreach Projects).
- d. **Disclosure of other hazards (DOH):** Up to 8 points if the notification to prospective buyers includes disclosure of other flood-related hazards, such as erosion, subsidence, or wetlands.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

350 FLOOD PROTECTION INFORMATION—Summary

Maximum credit: 125 points

352 Elements

- a. **Flood protection library (LIB):** 10 points for having nine Federal Emergency Management Agency publications on flood protection topics housed in the public library.
- b. **Locally pertinent documents (LPD):** Up to 10 points for having additional references on the community's flood problem or local or state floodplain management programs housed in the public library.
- c. **Flood protection website (WEB):** Up to 77 points for providing flood protection information via the community's website. An additional 28 points are provided if the website is part of a Program for Public Information (credited under Activity 330 (Outreach Projects)). There are three ways to receive credit under this element:

WEB1: for providing more information on the messages conveyed in the community's outreach projects credited under Activity 330 (Outreach Projects).

WEB2: for posting or linking real-time gage information so users can see current water levels and, where available, flood height predictions.

WEB3: for posting Elevation Certificates or the data from Elevation Certificates.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

360 FLOOD PROTECTION ASSISTANCE—Summary

Maximum credit: 110 points

362 Elements

- a. **Property protection advice (PPA):** Up to 25 points for providing one-on-one advice about property protection (such as retrofitting techniques and drainage improvements). An additional 15 points are provided if the assistance program is part of a Program for Public Information credited under Activity 330 (Outreach Projects).
- b. **Protection advice provided after a site visit (PPV):** Up to 30 points if the property protection advisor makes a site visit before providing the advice. An additional 15 points are provided if the site visit procedures are part of a Program for Public Information credited under Activity 330 (Outreach Projects).
- c. **Financial assistance advice (FAA):** 10 points for providing advice on financial assistance programs that may be available. An additional 5 points are provided if the financial assistance advisory service is part of a Program for Public Information credited under Activity 330 (Outreach Projects).
- d. **Advisor training (TNG):** 10 points if the person providing the advice has graduated from the EMI courses on retrofitting or grants programs.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

370 FLOOD INSURANCE PROMOTION—Summary

Maximum credit: 110 points

372 Elements

- a. **Flood insurance coverage assessment (FIA):** Up to 15 points for assessing the community's current level of coverage and identifying shortcomings.
- b. **Coverage improvement plan (CP):** Up to 15 points for a plan prepared by a committee that has representation from local insurance agents.
- c. **Coverage improvement plan implementation (CPI):** Up to 60 points for implementing the projects in the CP plan.
- d. **Technical assistance (TA):** Up to 20 points for providing advice about flood insurance.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

410 Flood Hazard Mapping—Summary

Maximum credit: 850 points

412 Elements

Flood hazard mapping (MAP) credit is based on

- a. **New study (NS)**: Up to 350 points for new flood studies that produce base flood elevations or floodways.
- b. **Leverage (LEV)**: The points for NS are multiplied by a ratio that reflects how much of the study was financed by non-Federal Emergency Management Agency (FEMA) funds.
- c. **State review (SR)**: Up to 60 points for flood studies reviewed and approved by a state or regional agency.
- d. **Higher study standards (HSS)**: Up to 200 points if the new study was done to one or more standards that exceed the FEMA mapping criteria.
- e. **More restrictive floodway standard (FWS)**: Up to 140 points, based on the allowable floodway surcharge used in the study.
- f. **Mapping of special flood-related hazard areas (MAPSH)**: Up to 100 points if the community maps and regulates coastal erosion or tsunami hazard areas.

Credit Criteria

Credit criteria for this activity are described in Section 411.b. Each element has additional criteria specific to that element.

- a. The area to be credited must be displayed on a map.
- b. The community must use the new flood hazard map or data in its floodplain development regulations.
- c. The study must be based on a technique approved by FEMA or specifically approved by the ISO/CRS Technical Reviewer.
- d. A study or data that affects a length of stream or shoreline must be submitted to FEMA so that the local FIRM may be revised.

Impact Adjustment

The impact adjustment for this activity is described in Section 413.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

420 Open Space Preservation—Summary

Maximum credit: 2,870 points

Note that OSI and LZ are not counted toward the maximum credit because these two elements and OSP are mutually exclusive.

422 Elements

- a. **Open space preservation (OSP):** Up to 1,450 points for keeping land vacant through ownership or regulations.
- b. **Deed restrictions (DR):** Up to 50 points extra credit for legal restrictions that ensure that parcels credited for OSP will never be developed.
- c. **Natural functions open space (NFOS):** Up to 350 points extra credit for OSP-credited parcels that are preserved in or restored to their natural state.
- d. **Special flood-related hazards open space (SHOS):** Up to 150 points if the OSP-credited parcels are subject to one of the special flood-related hazards or if areas of special flood-related hazard are covered by low-density zoning regulations.
- e. **Coastal erosion open space (CEOS):** Up to 750 points if the OSP-credited parcels are subject to coastal erosion.
- f. **Open space incentives (OSI):** Up to 250 points for local requirements and incentives that keep flood-prone portions of new development open.
- g. **Low-density zoning (LZ):** Up to 600 points for zoning districts that require lot sizes of 5 acres or larger.
- h. **Natural shoreline protection (NSP):** Up to 120 points for programs that protect natural channels and shorelines.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

Each element has a separate section describing the impact adjustment.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

430 Higher Regulatory Standards—Summary

Maximum credit: 2,462 points

Credit for FRB, FDN, ENL, and CAZ are not counted toward this total because those elements and DL credit are mutually exclusive.

432 Elements

- a. **Development limitations (DL)**: Up to 1,330 points for prohibiting fill, buildings, and/or storage of materials in the SFHA.
- b. **Freeboard (FRB)**: Up to 500 points for a freeboard requirement.
- c. **Foundation protection (FDN)**: Up to 80 points for engineered foundations.
- d. **Cumulative substantial improvements (CSI)**: Up to 90 points for counting improvements cumulatively.
- e. **Lower substantial improvements (LSI)**: Up to 20 points for a substantial improvement threshold lower than 50%.
- f. **Protection of critical facilities (PCF)**: Up to 80 points for protecting facilities that are critical to the community.
- g. **Enclosure limits (ENL)**: Up to 390 points for limiting enclosures below the base flood elevation.
- h. **Building code (BC)**: Up to 100 points for adopting and enforcing the International Code Series.
- i. **Local drainage protection (LDP)**: Up to 120 points for ensuring that new buildings are protected from shallow flooding.
- j. **Manufactured home parks (MHP)**: Up to 15 points for removing the elevation exemption for manufactured homes placed in existing manufactured home parks.
- k. **Coastal A Zones (CAZ)**: Up to 500 points for enforcing V-Zone rules inland from the V-Zone boundary.
- l. **Special flood-related hazards regulations (SHR)**: Up to 100 points for enforcing appropriate construction standards in areas subject to a special flood-related hazard.
- m. **Tsunami hazard regulations (TSR)**: Up to 50 points for enforcing appropriate construction standards in areas subject to a tsunami.
- n. **Coastal erosion hazard regulations (CER)**: Up to 370 points for enforcing appropriate construction standards and setbacks in areas subject to significant coastal erosion.
- o. **Other higher standard (OHS)**: Up to 100 points for other regulations.
- p. **State-mandated regulatory standards (SMS)**: Up to 20 bonus points if a regulatory standard is required by the state.
- q. **Regulations administration (RA)**: Up to 67 points for having trained staff and administrative procedures that meet specified standards.

Credit Criteria

Credit criteria for this activity are described in Section 431.b. Each element has additional criteria specific to that element.

Impact Adjustment

There is no impact adjustment for BC, LDP, MHP, SMS, or RA. The credit for all other elements is adjusted and explained in Section 431.c. For some elements, additional details are described in separate sections.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

440 FLOOD DATA MAINTENANCE—Summary

Maximum credit: 222 points

442 Elements

- a. **Additional map data (AMD):** Up to 160 points for implementing digital or paper systems that improve access, quality, and/or ease of updating flood data within the community.
- b. **FIRM maintenance (FM):** Up to 15 points for maintaining copies of all Flood Insurance Rate Maps (FIRMs) that have been issued for the community.
- c. **Benchmark maintenance (BMM):** Up to 27 points for a program that maintains benchmarks so surveyors can find them and can depend on them to be accurate.
- d. **Erosion data maintenance (EDM):** Up to 20 points for maintaining coastal erosion data.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

The impact adjustment for AMD is discussed in Section 442.a, and the impact adjustment for BMM is discussed in Section 442.c. There are no impact adjustments for FM or EDM.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

450 STORMWATER MANAGEMENT—Summary

Maximum credit: 755 points

452 Elements

- a. **Stormwater management regulations (SMR):** Up to 380 points for regulating development on a case-by-case basis to ensure that the peak flow of stormwater runoff from each site will not exceed the pre-development runoff. SMR credit is the sum of four sub-elements:
 - (1) **Size of development regulated (SZ):** Up to 110 points.
 - (2) **Design storms used in regulations (DS):** Up to 225 points.
 - (3) **Low-impact development (LID):** Up to 25 points.
 - (4) **Public maintenance of required facilities (PUB):** Up to 20 points.
- b. **Watershed master plan (WMP):** Up to 315 points for regulating development and redevelopment according to a watershed management master plan. WMP is the total of eight sub-elements.
- c. **Erosion and sedimentation control regulations (ESC):** Up to 40 points for regulations to minimize erosion from land disturbed due to construction.
- d. **Water quality regulations (WQ):** 20 points for regulations that improve the quality of stormwater runoff.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

The credit points for SMR and WMP are adjusted by ratios reflecting the proportion of the watersheds affected by the regulations or the plan. There is no impact adjustment for elements ESC or WQ.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

510 FLOODPLAIN MANAGEMENT PLANNING—Summary

Maximum credit: 622 points

512 Elements

- a. **Floodplain management planning (FMP):** 382 points for a community-wide floodplain management plan that follows a 10-step planning process:
 - Step 1. Organize
 - Step 2. Involve the public
 - Step 3. Coordinate
 - Step 4. Assess the hazard
 - Step 5. Assess the problem
 - Step 6. Set goals
 - Step 7. Review possible activities
 - Step 8. Draft an action plan
 - Step 9. Adopt the plan
 - Step 10. Implement, evaluate, revise.
- b. **Repetitive loss area analysis (RLAA):** 140 points for a detailed mitigation plan for a repetitive loss area.
- c. **Natural floodplain functions plan (NFP):** 100 points for adopting plans that protect one or more natural functions within the community's Special Flood Hazard Area.

Credit Criteria

Each element has a separate section discussing credit criteria.

Impact Adjustment

The impact adjustments for FMP and RLAA are described in separate sections. There is no impact adjustment for NFP.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

520 ACQUISITION AND RELOCATION—Summary

Maximum credit: 2,250 points

522 Elements

A community can obtain credit under one or a combination of elements. The elements reflect the different scoring that is applied to different types of buildings. A given building can only be credited under one element.

- a. **Buildings acquired or relocated (bAR)** from the regulatory floodplain.
- b. **Buildings on the repetitive loss list (bRL)** that have been acquired or relocated.
- c. **Severe Repetitive Loss properties (bSRL)** that have been acquired or relocated.
- d. **Critical facilities (bCF)** that have been acquired or relocated.
- e. **Buildings located in the V Zone or coastal A Zone (bVZ)** that have been acquired or relocated.

Credit Criteria

Credit criteria for this activity are described in Section 521.b. Each element has additional criteria specific to that element.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

The documentation needed for this activity is described in Section 524.

530 FLOOD PROTECTION—Summary

Maximum credit: 1,600 points

Of the 1,600 points, credit for sewer backup protection projects is limited to 200 points and flood control techniques are limited to 1,000 points.

532 Elements

- a. **Flood protection project technique used (TU_u):** Credit is provided for retrofitting techniques or flood control techniques.
 - **Retrofitting technique used:** Points are provided for the use of elevation (TUE), dry floodproofing (TUD), wet floodproofing (TUW), protection from sewer backup (TUS), and barriers (TUB)
 - **Structural flood control technique used:** Points are provided for the use of channel modifications (TUC), and storage facilities (TUF).
- b. **Flood protection improvement (FPI):** Credit points are determined for the difference between the level of flood protection provided before and after the project.
- c. **Protected buildings (PB):** The value of TU is multiplied by the value of FPI for each building and used in the credit calculation.

Credit Calculation

There are two options for calculating the total points. Option 1 is used if the number of buildings eligible for credit is a small percentage of the total number of buildings in the floodplain. The maximum credit for Option 1 is 160 points.

Option 2 is used if the number of buildings eligible for credit is a larger percentage of the total number of buildings in the floodplain. The maximum credit for Option 2 is 1,600 points.

Impact Adjustment

There is no impact adjustment for this activity.

Documentation Provided by the Community

The documentation needed for this activity is described in Section 534.

540 DRAINAGE SYSTEM MAINTENANCE—Summary

Maximum credit: 470 points

542 Elements

- a. **Channel debris removal (CDR):** Up to 200 points for inspecting natural channels on public and private property and removing debris as appropriate.
- b. **Problem site maintenance (PSM):** Up to 50 points for paying special attention to known problem flooding sites, such as those needing more frequent inspections.
- c. **Capital improvement program (CIP):** Up to 70 points for having a capital improvement program that corrects drainage problems.
- d. **Stream dumping regulations (SDR):** Up to 30 points if the community has and publicizes regulations prohibiting dumping in streams, canals, and ditches.
- e. **Storage basin maintenance (SBM):** Up to 120 points for annually inspecting public and private storage basins and performing the required maintenance.

Credit Criteria

Credit criteria for this activity are described in Section 541.b. They include drainage system inspections and maintenance requirements, no reliance on unsecured outside funding for maintenance, and compliance with federal and state laws and executive orders for environmental and historic preservation.

Each element has additional criteria specific to that element.

Impact Adjustment

The credit for CDR is adjusted based on the percentage of the community's natural drainage system that is inspected annually and properly maintained. There is no impact adjustment for PSM or SDR. The credit for SBM is adjusted based on the percentage of all the public and private storage basins within the community that are inspected and maintained.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

610 FLOOD WARNING AND RESPONSE—Summary

Maximum credit: 395 points

612 Elements

- a. **Flood threat recognition system (FTR):** Up to 75 points for a system that predicts flood elevations and arrival times at specific locations within the community.
- b. **Emergency warning dissemination (EWD):** Up to 75 points for disseminating flood warnings to the public.
- c. **Flood response operations (FRO):** Up to 115 points for implementation of specific tasks to reduce or prevent threats to health, safety, and property.
- d. **Critical facilities planning (CFP):** Up to 75 points for coordinating flood warning and response activities with operators of critical facilities.
- e. **StormReady community (SRC):** 25 points for designation by the National Weather Service as a StormReady community.
- f. **TsunamiReady community (TRC):** 30 points for designation by the National Weather Service as a TsunamiReady community.

Credit Criteria

Credit criteria for this activity are described in Section 611.b.

- a. The community must receive some credit in each of the elements FTR, EWD, FRO, and CFP in order to receive credit (including SRC or TRC credit) under this Activity.
- b. The community must have a description of its flood hazard.
- c. There must be a multi-level flood inundation map or series of related maps (e.g., surge and evacuation zones) that are tied to different levels of response as designated in the community's plan.
- d. There must be an adopted flood warning and response plan that is associated with the maps in credit criterion (c).
- e. There must be one or more annual outreach projects on the flood warning and safety precautions.
- f. There must be an annual exercise of the plan or an emergency operations center activation, with a lessons-learned report.

Each element has additional criteria specific to that element.

Impact Adjustment

The credits for FTR, EWD, and FRO are adjusted based on the number of buildings within the Special Flood Hazard Area affected by each element. There is no impact adjustment for CFP, SRC, or TRC.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

620 LEVEES—Summary

Maximum credit: 235 points

622 Elements

- a. **Levee maintenance (LM):** Up to 95 points if the levee system is maintained and operated according to a written maintenance plan. There are no credit points for levees that are recognized on the community's adopted Flood Insurance Rate Map (FIRM), although documentation of annual inspection and maintenance is a prerequisite for any credit under this activity.
- b. **Levee failure threat recognition system (LFR):** Up to 30 points for having a system to advise the emergency manager when there is a threat of a levee's failure or overtopping.
- c. **Levee failure warning (LFW):** Up to 50 points for disseminating the warning to the public.
- d. **Levee failure response operations (LFO):** Up to 30 points for response actions to be undertaken to reduce or prevent threats to health, safety, and property.
- e. **Levee failure critical facilities planning (LCF):** Up to 30 points for coordination of actions with operators of critical facilities.

Credit Criteria

Credit criteria for this activity are described in Section 621.b.

- a. Credit is limited to levee systems that were designed and constructed as levee systems and are operated and maintained by a public agency.
- b. The community must submit a map showing the location of each levee and the areas that would be flooded if the levee were to fail or be overtopped.
- c. Annual inspections of the levee system must be conducted according to a written maintenance plan.
- d. The community must implement an annual outreach project to the residents and businesses in the area(s) that would be inundated if a levee were overtopped.
- e. To receive Activity 620 credit for LFR, LFW, LFO, and LCF, the community must receive some LM credit.
- f. To receive Activity 620 credit other than LM credit, the community must receive some credit in all four levee warning and response elements (LFR, LFW, LFO, and LCF), and
 - (1) There must be a levee failure flood warning and response plan that has been adopted by the community's governing body; and
 - (2) There must be an annual exercise of the plan and a lessons-learned report.

Each element has additional criteria specific to that element.

Impact Adjustment

The credits for LM, LFR, LFW, and LFO are adjusted based on the number of buildings affected by each element. There is no impact adjustment for LCF.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.

630 DAMS—Summary

Maximum credit: 160 points

632 Elements

- a. **State dam safety program (SDS):** Up to 45 points based on the credit for the state's program.
- b. **Dam failure threat recognition system (DFR):** Up to 30 points for having a system to advise the emergency manager when there is a threat of a dam failure.
- c. **Dam failure warning (DFW):** Up to 35 points for disseminating the warning to the public.
- d. **Dam failure response operations (DFO):** Up to 30 points for planning and practicing specific tasks to be undertaken to reduce or prevent threats to health, safety, and property.
- e. **Dam failure critical facilities planning (DCF):** Up to 20 points for coordination of dam failure warning and response activities with operators of critical facilities.

Credit Criteria

Overall criteria for this activity are described in Section 631.b.

- a. There must be at least one insurable building within the community that is subject to inundation from the failure of a high-hazard-potential dam for SDS and other credit under this Activity.
- b. The community must have a description of the dam failure threat and a dam failure inundation map.
- c. To receive any Activity 630 credit other than SDS, the community must receive some credit in each of the elements DFR, DFW, DFO, and DCF.
- d. There must be an adopted dam failure warning and response plan.
- e. There must be one or more annual outreach projects on the warning and safety precautions.
- f. There must be an annual exercise of the plan with a lessons-learned report.

Each element has additional criteria specific to that element.

Impact Adjustment

There is no impact adjustment for the state dam safety program (SDS). The credit for DFR, DFW, and DFO is adjusted based on the number of buildings in the community that would be affected by the failure of a high-hazard-potential dam. There is no impact adjustment for DCF.

Documentation Provided by the Community

Each element has a separate section describing needed documentation.