



610 Series Templates
FRO | FLOOD RESPONSE OPERATIONS
CRS 612.c
 Points: Up to 115 Points



To achieve CRS points in any 610 category:

- 1st – For coastal communities, the Governing Body must adopt a municipal resolution adopting the Monmouth County Coastal Evacuation Plan (-see *Sample Resolution Provided*)
- 2nd - Make certain to perform an annual exercise (table top, functional, or full scale) or actual occurrence as documented on a FEMA exercise report 95-44 (-see *611.b(4)(d)(v) below*) prior to submission
- 3rd - 611.b Activity Credit Criteria (-see *below*)
- 4th – Submit the 610 Checklist with the required documentation

Recommended Action:

- Credit is based on the level of detail for flood response operations as identified in the Flood Warning and Response Plan. This information should be encapsulated within your local Emergency Operations Plan (EOP) under *Alert, Warning, and Communications* as well as the *Evacuation Annex*. You may have to pull it from various departments in your jurisdiction.
- Towns may sign up for Register Ready with Monmouth County (-see *FRO4*).
- Bonus credit opportunities are available under FRO5 and FRO6.
- Refer to the County reentry plan (-see *FRO5*)

Note: County approval of a reentry plan is pending.

Credit Points

Sum of the following six FRO subcategories

Your Flood Warning and Response Plan should include...

FRO1	15 points	Various flooding scenarios based upon different inundation levels as found on the flood inundation map.
FRO2	35 points	Various public and private organizations are listed along with their respective flood response assignments. Include staff, equipment, supplies needed for each response task and the time required for each task. Assets are defined by departments using NIMS resource typing standards. Points may be accumulated as follows: a) 5 points for identified flood response tasks and responsible staff b) 10 points for an estimate of the number of personnel needed for each task c) 5 points for an estimate of the time required for each response task, and d) 15 points a list of equipment and supplies expected to be needed and how they will be obtained.



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FRO3	25 points	Tasks (FRO2) are tied to specific flood levels on the inundation map (-see 611.b(3)) or gage heights (river)
FRO4	10 points	Maintain a database of people with special needs who require evacuation assistance. Instructions in the plan regarding transportation and the return of evacuees to secured locations; credential instructions and security assignments. <i>(County maintains Register Ready database – sign up with local OEM or through the County OEM)</i>
FRO5	Up to 15 points	<ul style="list-style-type: none"> • When and how returning evacuees can reoccupy their damaged houses/businesses • Permit requirements during recovery phase • Promoting flood loss mitigation measure for private property • Applying the Monmouth County Hazard Mitigation Plan’s identified flood loss mitigation measures on community property. <i>(-see Credit Criteria)</i>
FRO6	20 points	Plan identifies actions that support property protection measure that could be carried out during response and recovery times. <i>(-see Credit Criteria)</i>

612.c Credit Criteria for FRO: FLOOD RESPONSE OPERATIONS

Refer to the 610 Checklist and CRS Coordinator’s Manual for details on how to satisfy these criteria.

- (1) The activity credit criteria in Section 611.b must be met *(-see below)*
- (2) For full FRO credit, the plan needs to:
 - a) Describe the action(s) that needs to be taken,
 - b) Identify the office or official responsible for the action(s),
 - c) Define the time needed to carry out the activity, and
 - d) Contain other critical information that designated agencies and organizations will need in order to perform their assigned responsibilities.
- (3) FRO5 Bonus Credits: List of personnel, equipment, facilities, supplies, and other resource needed to complete the task. The list must identify what is available within the community and what is needed from private suppliers or other jurisdictions.
- (4) FRO5 Bonus Credits: For mitigation activities in the aftermath of a disaster. This should be coordinate with public information activities credited under the Flood Response Preparations (FRP) and Activity 330 (Outreach projects).
- (5) FRO6 Bonus Credits: For identifying response and recovery measures that support property protection.

611.b Activity Credit Criteria (required)

Refer to the CRS Coordinator’s Manual for details

- (1) The community must obtain at least some credit in the first four flood warning and response elements (FTR, EWD, FRO, and CFP) to receive any credits for this activity.
- (2) The community must have a description of its flood hazard including:



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- a) Nature of the community's flood hazard (specific and local) including flood depths, velocities, warning times, historical flood problems, and special flood-related hazards
- b) Inventory of the buildings by type exposed to flooding including an inventory of the land use of both developed and undeveloped places within the affected areas (-see 4(d)(ii))
- c) Inventory of critical facilities and the expected impacts of flooding on health and safety, community functions (e.g. police and utilities), and potential for secondary hazards (-see 4(d)(iii))

(3) Flood inundation map also known as flood stage forecast map showing at least three different levels of anticipated flooding.

Note: Coastal communities may use the County Evacuation Map as their flood inundation map. Inland (non-coastal) communities can work with the county on creating similar local inundation maps. Specific evacuation tasks/missions must correspond to various flood level events as represented on the flood inundation map.

(4) A Flood Warning and Response Plan as adopted by the governing body or by an office that has been delegated approval authority:

- a) Describe the methods and warning devices used to disseminate information to the public under the EWD (612.b) (-see local EOP for FRO)
- b) Include specific flood response actions taken at different flood level events that are credited under FRO (612.c) (-see local EOP for FRO); and
- c) FRO has to be adopted by the governing body or an office that has been delegated by the governing body. (-see local EOP for FRO)
- d) The Flood Warning Response Plan must be adopted by the governing body of the individual community seeking CRS credits.
 - (i) County Evacuation Plan Map for the municipality may be used to satisfy this condition
 - (ii) The county can assist the community in providing the number of structures used in calculation the sums in the bSFHA (Special Flood Hazard Area), bFTR (Flood Threat Recognition), bEWD (Early Warning Dissemination), and bFRO (Flood Response Operations).
 - (iii) A list of all public and private critical facilities in the community along with the contact names/phone numbers/ contact info to be updated annually.
 - (iv) The community must provide the adopted definition of critical facilities.
 - (v) The community must provide verification that it participated in a drill/exercise or actual activation in the past 12 months.
 - (vi) The community must provide verification that systems used for credit under EWD have been tested in the past 12 months.

(5) Implement one or more outreach projects explaining to business and residents how they will be warned and safety measures they should take during a flood event.

- Refer to the CRS Coordinator's Manual for examples of acceptable outreach activities (-see 5.a through 5.e)

(6) There must be at least one exercise and evaluation of the Flood Warning and Response Plan each year that is compliant with the National Incident Management System (-see crossover with 4.1)

CRS 612.c FRO: Flood Response Operations

2017 CRS Manual

Prepared by MCPB and MCOEM



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Documentation for EWD

Refer to checklist at www.CRSResources.org/600 and CRS User Manual for details in satisfying documentation requirements.

For the five-year verification visit...

- Copy of Flood Warning and Response Plan marked to show where FRO credited items appear
- Copies of documents for credited items under FRO, if they are not included in the Flood Warning & Response Plan
- Description of flood exercise and AAR (after action review) or lessons learned

For the five-year verification visit and annual recertification...

- Documentation and description of the annual flood event exercise, drill, or actual event including conditions, actions, who participated, lessons learned, and any recommended changes to the system. Use FEMA exercise report 95-44. (-see link below)

Links

610 Checklist: <https://crsresources.org/files/600/610-documentation-checklist.docx>

FEMA Exercise Report 95-44: https://www.pdfFiller.com/en/project/151415521.htm?f_hash=21dfc3

CRS Activity 610- Flood Warning and Response Video: <https://www.youtube.com/watch?v=gbtsp4qBad8>