

# **National Flood Insurance Program**

**Changes are Coming –  
A New Way of Scoring  
Local Flood Warning Programs  
under the  
Community Rating System**

*Berry A. Williams - CRS Project Team*

# **Community Rating System Flood Warning Program Credit**

## **Overview of the Changes Audience Feedback**

*Berry A. Williams - CRS Project Team*

# Community Rating System (CRS)

## Premium Discount

<u>Class</u>	<u>Points</u>	<u>SFHA</u>	<u>Non-SFHA</u>
1	4,500	45%	10%
2	4,000	40%	10%
3	3,500	35%	10%
4	3,000	30%	10%
5	2,500	25%	10%
6	2,000	20%	10%
7	1,500	15%	5%
8	1,000	10%	5%
9	500	5%	5%
10		0	0

*Berry A. Williams - CRS Project Team*

# Community Rating System

## Flood Warning Related Credit

300 Public Outreach/Information	117 Points
440 Flood Data Maintenance	73 Points
510 Floodplain Management Planning	84 Points
610 Flood Warning Program	255 Points
630 Dam Safety/Warning	100 Points
<b>Total Possible Points:</b>	<b>629</b>

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# Community Rating System

## Flood Warning Program Credit

Flood Threat Recognition (FTR)	40 Points
Emergency Warning Dissemination (EWD)	60 Points
Other Response Efforts (ORE)	50 Points
Critical Facilities Planning (CFP)	50 Points
StormReady /TsunamiReady Community	55 Points
<b>Total Possible Points:</b>	<b>255</b>

# Community Rating System

## Flood Warning Program Credit

	Current	NEW
Flood Threat Recognition (FTR)	40	50
Emergency Warning Dissemination (EWD)	60	50
Other Response Efforts (ORE)	50	60
Critical Facilities Planning (CFP)	50	50
StormReady /TsunamiReady Community	55	45
<b>Total Possible Points:</b>	<b>255</b>	<b>255</b>

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# Community Rating System

## Activity 610 - Flood Warning Credit

	CRS Points	Flood Warning Annual Discount \$ Value
Jefferson Parish, Louisiana	160	\$798,000
<b>Houston, Texas</b>	<b>130</b>	<b>\$354,000</b>
Sacramento, California	150	\$ 81,000
San Jose, California	120	\$ 67,000
<b>Phoenix, Arizona</b>	<b>120</b>	<b>\$ 48,000</b>

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# **Community Rating System**

## **Flood Warning Program Credit**

### **Proposed Changes will:**

**Simplify the way Flood Threat Recognition credit is awarded.**

**Recognize recent changes in flood forecasting i.e. doppler radar, etc.**

**Eliminate the StormReady credit duplication for being able to receive flood warnings from the NWS.**

# **Community Rating System**

## **Flood Warning Program Credit**

**Proposed Changes will:**

**Recognize new methods for warning the general public, i.e. email.**

**Change the way mobile public address and door-to-door notification receive credit.**

# **Community Rating System**

## **Flood Warning Program Credit**

### **Proposed Changes will:**

**Strengthen the linkage with the National Incident Management System.**

**Increase incentives for tying emergency operations to flood inundation mapping.**

**Enhance the requirements for critical facility warning and response planning.**

*Berry A. Williams - CRS Project Team*

# FLOOD WARNING PROGRAM

## Flood Threat Recognition - Current

System operated by the community

### 1. Data Collection

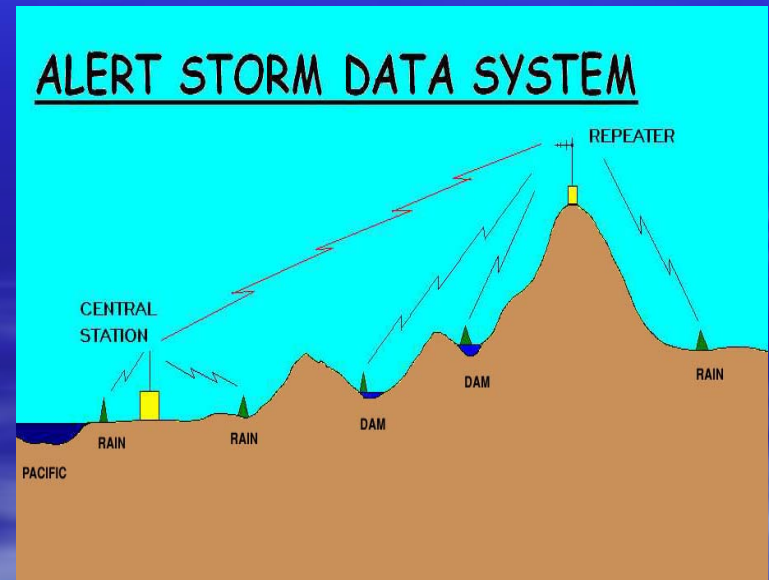
- 15 points - where gage data are manually read.
- 20 points – automated data collection and reporting

### 2. Gage Density

10 points if all SFHA streams/tributaries of more than 10 square miles are gauged or covered by remote technology.

### 3. Method of flow prediction

- 5 points - manual
- 10 points – prediction model



# FLOOD WARNING PROGRAM

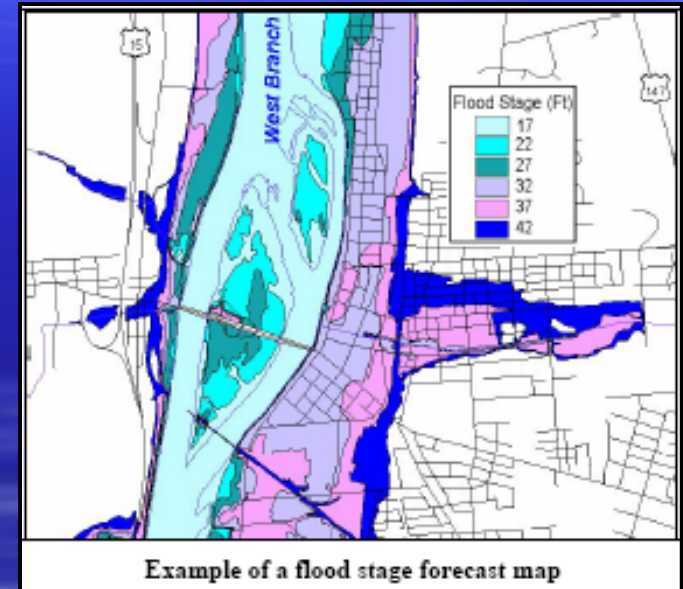
## Flood Threat Recognition - Current

System operated by another agency

**20 points - Receive flood forecast**

**Additional credit for extending the forecast to other locations in the community.**

- **5 points manual techniques**
- **20 points for a computerized model**



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# FLOOD WARNING PROGRAM

## Flood Threat Recognition - NEW

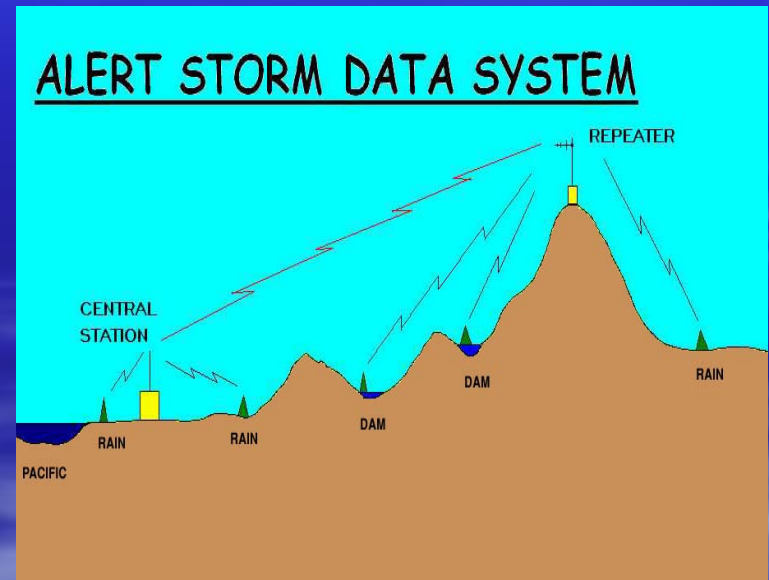
### Data Collection (20 points)

#### 1. Data Collection

- 45 10 points - where gage data are manually read.
- 20 points – automated data collection and reporting
- 20 points for other methods like doppler radar used in conjunction with gages.

#### 2. Gage Density

~~10 points if all SFHA streams/  
tributaries of more than 10 square  
miles are gauged~~



# FLOOD WARNING PROGRAM

## Flood Threat Recognition - NEW

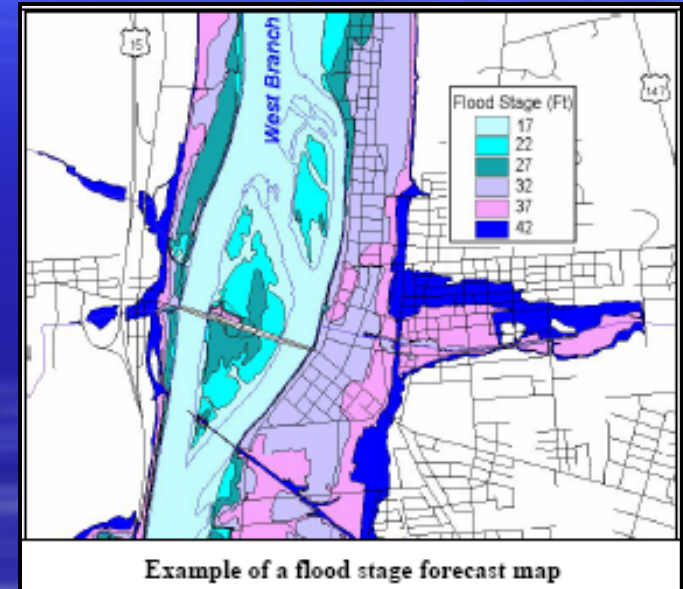
### Flood Forecast (30 points)

5 points manual techniques

10 points for a computerized “real time” model to forecast downstream peak flow.

20 points for extending the forecast to other locations in the community using flood stage maps.

~~20 points - Receive flood forecast SRC and TRC~~



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# FLOOD WARNING PROGRAM

	Current	New
<b>StormReady Community</b>	<b>25</b>	<b>20</b>
Community must receive flood threat recognition credit.		
<b>TsunamiReady Community</b>	<b>30</b>	<b>25</b>
Community must have a tsunami hazard map.		
Operations plan must address the tsunami hazard.		

# FLOOD WARNING PROGRAM

## Emergency Warning Dissemination

	Current	New
Message Policies/Procedures	10	10
<b>Outdoor System</b>	<b>15</b>	<b>10</b>
Door-to-Door/Mobile Public	30	5
Detailed Procedures		15
<b>Emergency Alert System</b>	<b>10</b>	<b>10</b>
Telephone Calling System	15	15
<b>Cable Television Override</b>	<b>10</b>	<b>10</b>
AM Radio Transmitter	10	10
<b>Email</b>		<b>5</b>

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# FLOOD WARNING PROGRAM

## Other Response Efforts

### Emergency Operations Plans

	Current	New
<b>Flood Tasks Identified</b>	<b>10</b>	<b>10</b>
<b>Tasks Keyed to Flood Levels</b>	<b>20</b>	<b>10</b>
<b>Property Protection Measures</b>		<b>10</b>
<b>Special Needs Data/Evac Plan</b>		<b>10</b>
<b>Resources Needed Identified</b>	<b>20</b>	<b>10</b>

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# FLOOD WARNING PROGRAM

## Other Response Efforts

### Emergency Operations Plans

	Current	New
<b>Flood Event Scenarios</b>		<b>10</b>
Identify Outside Resources Needed		10
<b>Returning Evacuee Instructions</b>		<b>10</b>
Mitigation During Response/Recovery		10
<b>NEW TOTAL POINTS</b>	<b>50</b>	<b>60</b>

# FLOOD WARNING PROGRAM

## Critical Facility Planning

	Current	New
1. Names and addresses of operators.	10	
2. Early notification/special warnings.	20	
1 and 2 combined		20
Critical facilities flood response plans.	20	30

**Community Rating System**  
**Flood Warning Program Credit**

**Questions or  
Recommendations?**

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