



FEMA-4273-DR-WV HAZARD MITIGATION

PRIORITIZATION 12/15/2017



CRITERIA

- Governor set priorities
 - Infrastructure
 - Economic Development
 - Housing
- Priorities changed with the election of a new governor
- Late date of the change has had a profound effect on project prioritization
- Application due date is December 22, 2017
- Extension request is being evaluated by FEMA. If approved, the new deadline will be March 2018

FEDERAL AND NON-FEDERAL SHARE

- The Hazard Mitigation Grant Program (HMGP) is a cost sharing program at 75% Federally funded, 25% Non-Federally funded available to communities statewide
- Projects within the Designated Counties for FEMA-4273-DR-WV are eligible to have the Non-Federal Share reduced to zero (0) by utilizing the Community Development Block Grant-Disaster Recovery (CDBG-DR) set aside
- Projects outside the Designated Counties are obligated to have the 25% Non-Federal Share funded either by State, Local or other sources identified at the time of application

NO ELIGIBLE MITIGATION ACTIVITIES FOR ECONOMIC DEVELOPMENT

- There are no direct Mitigation activities designed to address economic development
- There are indirect activities that could affect economic development but further study needs to be conducted for definitive proof
 - Increasing resiliency for housing and infrastructure decreases the need for extensive recovery and increases the likelihood that employers will remain with less down time for recovery

TYPES OF ELIGIBLE MITIGATION PROJECTS SUBMITTED

- Acquisition / Demolition – The act of acquiring and demolishing a structure deed restricting the resulting open space in perpetuity
- Elevation – The act of lifting a structure to the floodplain ordinance level
- Mitigation Reconstruction – The act of demolishing a structure and rebuilding a new structure in compliance with building code and floodplain ordinance
- Water projects – Increasing the capacity of waste, potable and storm water systems to handle increased use (Deferred maintenance is a huge issue with these type projects)
- Generators – Providing a permanent generator for critical facilities to mitigate frequent power outages
- 5% Initiative projects – Projects that have a proven mitigating effect but no means exist for developing the cost effectiveness required for standard HMGP
- 7% Planning Projects – Projects whose deliverable results in a mitigation plan required for submittal to HMGP

LIMITATIONS

- All projects not submitted under the 5% and 7% initiatives MUST demonstrate cost effectiveness at the time of submittal
- Deferred maintenance is a disqualifying factor
- 5% Initiative is not to be used as a work around for the cost effectiveness requirement
- HMGP is a voluntary program on both the participant and community level
- Complex 2-phase projects (mostly water) require extensive engineering prior to application submittal
- Projects MUST have a Benefit Cost Ratio (BCR) of 1.0 or greater to be considered cost effective
- Acquisition / Demolition is the only allowed alternative for floodway structures
- \$69,667,311.00 (\$52,250,438.00 Federal Share, \$17,416,873.00 Non-Federal Share) Total funding available
- \$250,851.57 (\$193,982.98 Federal Share, \$56,868.59 Non-Federal Share) already expended

SUMMARY

- CDBG-DR Matched Infrastructure Projects
 - 6 Water Projects totaling \$15,501,025.00
- CDBG-DR Matched Generator Projects
 - 11 Generator Projects totaling \$3,291,152.00
- CDBG-DR Matched Reconstruction Projects
 - 13 Reconstruction Projects totaling \$7,149,580.00
- CDBG-DR Matched Elevation Projects
 - 5 Elevation Projects totaling \$1,921,390.00
- CDBG-DR Matched Acquisition / Demolition Projects
 - 42 Acquisition / Demolition Projects totaling \$26,267,405.00

SUMMARY (CONTINUED)

- Non-CDBG-DR Matched Infrastructure Projects
 - 10 Infrastructure Projects totaling \$33,566,559.00 with \$8,391,639.75 required for Non-Federal Share
- Non-CDBG-DR Matched Generator Projects
 - 9 Generator Projects totaling \$2,579,278.00 with \$644,819.50 required for Non-Federal Share
- Non-CDBG-DR Matched Reconstruction Projects
 - 8 Reconstruction Projects totaling \$5,430,100.00 with \$1,357,525.00 required for Non-Federal Share
- Non-CDBG-DR Matched Elevation Projects
 - 2 Elevation Projects totaling \$728,746.00 with \$182,186.50 required for Non-Federal Share
- Non-CDBG-DR Matched Acquisition / Demolition Projects
 - 8 Acquisition / Demolition Projects totaling \$3,890,530.00 with \$972,632.50 required for Non-Federal Share

INFRASTRUCTURE (CDBG-DR) GENERATORS

Community Name	County	Project Type	Number of Structure	Project Cost	Federal Share	Benefits	BCR
Clintonville	Greenbrier	Generator Fire Dept.	1	\$ 47,000.00	\$ 35,250.00	\$ 696,443.00	14.82
Craigsville	Nicholas	Generator Water Plant	4	\$ 283,390.00	\$ 212,542.50	\$ 1,732,721.00	6.11
Buckhannon #2	Upshur	Generator Water Plant	1	\$ 1,077,327.00	\$ 807,995.25	\$ 4,864,354.00	4.52
Richwood	Nicholas	Water Treatment Plant	3	\$ 216,566.00	\$ 162,424.50	\$ 974,988.00	4.50
Alderson	Greenbrier	Generator Water Plant	1	\$ 220,421.00	\$ 165,315.75	\$ 977,861.00	4.44
Rupert	Greenbrier	Generator Water Plant	1	\$ 67,600.00	\$ 50,700.00	\$ 294,926.00	4.36
Buckhannon	Upshur	Generator Waste Water	1	\$ 945,110.00	\$ 708,832.50	\$ 3,052,928.00	3.23
Rupert	Greenbrier	Gen. Community Center	1	\$ 56,600.00	\$ 42,450.00	\$ 148,781.00	2.63
Rainelle	Greenbrier	Generator Fire Dept.	1	\$ 60,800.00	\$ 45,600.00	\$ 116,162.00	1.91
Ronceverte	Greenbrier	Generator City Hall	1	\$ 140,516.00	\$ 105,387.00	\$ 165,002.00	1.17
White Sulphur Springs	Greenbrier	Generator Water Plant	1	\$ 175,822.00	\$ 131,866.50	\$ 186,078.25	1.06
TOTALS	11	-	11	\$ 3,291,152.00	\$ 2,468,364.00	\$ 13,210,244.25	

INFRASTRUCTURE (CDBG-DR) (BCRS ARE BLANK DUE NO RUNS SUBMITTED TO THE STATE YET)

Community Name	County	Project Type	Number of Structures	Total Project Cost	Federal Share	CDBG-DR	Project Benefits	BCR
Elkview	Kanawha	Embankment Stabilization	1	\$ 1,688,500.00	\$1,266,375.00	\$ 422,125.00	\$ 0.00	0.00
Belle	Kanawha	Storm water/Sewer	1	\$ 433,223.00	\$ 324,917.25	\$ 108,305.75	\$ 0.00	0.00
Belle	Kanawha	Storm water/Sewer	1	\$ 607,294.00	\$ 455,470.50	\$ 151,823.50	\$ 0.00	0.00
Rainelle	Greenbrier	Storm water project	1	\$ 11,505,008.00	\$8,628,756.00	\$2,876,252.00	\$ 0.00	0.00
Lewisburg	Greenbrier	Storm water	1	\$ 850,000.00	\$ 637,500.00	\$ 212,500.00	\$ 0.00	0.00
Fayetteville	Fayette	Storm water	1	\$ 417,000.00	\$ 312,750.00	\$ 104,250.00	\$ 0.00	0.00
TOTALS	6	-	6	\$ 15,501,025.00	\$ 11,625,768.75	\$ 3,875,256.25	\$ 0.00	-

INFRASTRUCTURE (NON-CDBG-DR) GENERATORS

Community Name	County	Project Type	Number of Structure	Project Cost	Federal Share	Non-Federal Share	Benefits	BCR
Huntington	Cabell	17 Pump Stations	1	\$ 1,116,965.00	\$ 837,723.75	\$ 279,241.25	\$ 11,543,027.00	10.33
Tunnelton	Preston	Generator Water Plant	1	\$ 189,011.00	\$ 141,758.25	\$ 47,252.75	\$ 1,779,863.00	9.42
Naugatuck	Mingo	Water Treatment Plant	1	\$ 231,700.00	\$ 173,775.00	\$ 57,925.00	\$ 1,944,766.00	8.39
Kermit	Mingo	Water Treatment Plant	1	\$ 199,501.00	\$ 149,625.75	\$ 49,875.25	\$ 1,352,061.00	6.78
Oceana	Wyoming	Generator Water Plant	1	\$ 149,250.00	\$ 111,937.50	\$ 37,312.50	\$ 304,662.00	2.04
Tyler County	Tyler	Sheriff's Department	1	\$ 57,501.00	\$ 43,125.75	\$ 14,375.25	\$ 88,111.00	1.53
Tunnelton	Preston	Generator Sewer Plant	1	\$ 252,761.00	\$ 189,570.75	\$ 63,190.25	\$ 313,386.00	1.24
Terra Alta	Preston	Generator Water Plant	1	\$ 314,639.00	\$ 235,979.25	\$ 78,659.75	\$ 362,614.00	1.15
Bradshaw	McDowell	Generator Water Plant	1	\$ 67,950.00	\$ 50,962.50	\$ 16,987.50	\$ 74,148.00	1.09
TOTALS	9	-	9	\$ 2,579,278.00	\$ 1,934,458.50	\$ 644,819.50	\$ 17,762,638.00	-

INFRASTRUCTURE (NON-CDBG-DR) (BCRS ARE BLANK DUE NO RUNS SUBMITTED TO THE STATE YET)

Community Name	County	Project Type	Number of Structures	Project Cost	Federal Share	Non-Federal Share	Project Benefits	BCR
Logan	Logan	Island Creek Mapping	1	\$ 382,927.00	\$ 287,195.25	\$ 95,731.75	\$ 0.00	0.00
Logan	Logan	Holden Waste Water	1	\$ 8,163,000.00	\$ 6,122,250.00	\$ 2,040,750.00	\$ 0.00	0.00
Logan	Logan	Mud Fork Waste Water	1	\$ 5,625,000.00	\$ 4,218,750.00	\$ 1,406,250.00	\$ 0.00	0.00
Logan	Logan	Generator Fire Dept.	1	\$ 75,170.00	\$ 56,377.50	\$ 18,792.50	\$ 0.00	0.00
Logan	Logan	Generator Fire Dept.	1	\$ 84,170.00	\$ 63,127.50	\$ 21,042.50	\$ 0.00	0.00
Logan	Logan	Generator EOC	1	\$ 215,670.00	\$ 161,752.50	\$ 53,917.50	\$ 0.00	0.00
Beech Bottom	Brooke	Storm Sewer Phase	1	\$ 1,761,100.00	\$ 1,320,825.00	\$ 440,275.00	\$ 0.00	0.00
Wellsburg	Brooke	Storm Water Bypass A	1	\$ 10,275,471.00	\$ 7,706,603.25	\$ 2,568,867.75	\$ 0.00	0.00
Wellsburg	Brooke	Storm Water Bypass B	1	\$ 5,632,051.00	\$ 4,224,038.25	\$ 1,408,012.75	\$ 0.00	0.00
Follansbee	Brooke	Storm water	1	\$ 1,352,000.00	\$ 1,014,000.00	\$ 338,000.00	\$ 0.00	0.00
TOTALS	10	-	10	\$ 33,566,559.00	\$ 25,174,919.25	\$ 8,391,639.75	\$ 0.00	-

HOUSING RECONSTRUCTION IN BCR ORDER (CDBG-DR) (**RED** INDICATES BCR BELOW 1.0)

Community Name	County	Project Type	Number of Structure	Project Cost	Benefits	BCR
Clendenin #2	Kanawha	Reconstruction	3	\$ 378,000.00	\$ 525,000.00	1.39
Greenbrier #3	Greenbrier	Reconstruction	6	\$ 846,600.00	\$ 1,050,000.00	1.24
Clendenin #1	Kanawha	Reconstruction	6	\$ 870,000.00	\$ 1,050,000.00	1.21
Richwood #2	Nicholas	Reconstruction	3	\$ 438,830.00	\$ 525,000.00	1.20
Roane County	Roane	Reconstruction	3	\$ 446,000.00	\$ 525,000.00	1.18
Richwood #1	Nicholas	Reconstruction	3	\$ 449,635.00	\$ 525,000.00	1.17
Spencer	Roane	Reconstruction	2	\$ 334,000.00	\$ 350,000.00	1.05
Greenbrier #2	Greenbrier	Reconstruction	3	\$ 504,250.00	\$ 525,000.00	1.04
Kanawha	Kanawha	Reconstruction	5	\$ 867,500.00	\$ 875,000.00	1.01
Greenbrier #1	Greenbrier	Reconstruction	5	\$ 871,600.00	\$ 875,000.00	1.00
Monroe County	Monroe	Reconstruction	1	\$ 174,865.00	\$ 175,000.00	1.00
Alderson	Greenbrier	Reconstruction	1	\$ 181,300.00	\$ 175,000.00	0.97
Grantsville	Calhoun	Reconstruction	4	\$ 787,000.00	\$ 700,000.00	0.89
TOTALS	13	-	42	\$ 7,149,580.00	\$ 7,875,000.00	-

HOUSING RECONSTRUCTION (NON-CDBG-DR) (**RED** INDICATES BCR BELOW 1.0)

Community Name	County	Project Type	Number of Structures	Project Cost	Federal Share	Non-Federal Share	Benefits	BCR
Logan #2	Logan	Reconstruction	4	\$515,000.00	\$386,250.00	\$128,750.00	\$700,000.00	1.36
Logan #1	Logan	Reconstruction	7	\$996,000.00	\$747,000.00	\$249,000.00	\$1,225,000.00	1.23
Follansbee Project B	Brooke	Reconstruction	7	\$1,039,100.00	\$779,325.00	\$259,775.00	\$1,225,000.00	1.18
Follansbee Project C	Brooke	Reconstruction	4	\$617,200.00	\$462,900.00	\$154,300.00	\$700,000.00	1.13
Follansbee Project D	Brooke	Reconstruction	4	\$625,200.00	\$468,900.00	\$156,300.00	\$700,000.00	1.12
Follansbee Project A	Brooke	Reconstruction	2	\$324,600.00	\$243,450.00	\$81,150.00	\$350,000.00	1.08
Calhoun County	Calhoun	Reconstruction	3	\$526,000.00	\$394,500.00	\$131,500.00	\$525,000.00	1.00
Grantsville	Calhoun	Reconstruction	4	\$787,000.00	\$590,250.00	\$196,750.00	\$700,000.00	0.89
TOTALS	8	-	35	\$5,430,100.00	\$4,072,575.00	\$1,357,525.00	\$6,125,000.00	-

HOUSING ACQUISITION / DEMOLITION(CDBG-DR)

Community Name	County	Project Type	Number of Structure	Project Cost	Federal Share	CDBG-DR	Benefits	BCR
Clendenin #2	Kanawha	Acq./Demo.	3	\$ 152,898.00	\$ 114,673.50	\$ 38,224.50	\$ 828,000.00	5.42
Greenbrier Landslide	Greenbrier	Acq./Demo.	1	\$ 61,600.00	\$ 46,200.00	\$ 15,400.00	\$ 276,000.00	4.48
Clendenin #1	Kanawha	Acq./Demo.	8	\$ 498,484.00	\$ 373,863.00	\$ 124,621.00	\$ 2,208,000.00	4.43
Greenbrier #5	Greenbrier	Acq./Demo.	8	\$ 516,400.00	\$ 387,300.00	\$ 129,100.00	\$ 2,208,000.00	4.28
Richwood #1	Nicholas	Acq./Demo.	9	\$ 590,400.00	\$ 442,800.00	\$ 147,600.00	\$ 2,484,000.00	4.21
Fayette #2 Landslide	Fayette	Acq./Demo.	1	\$ 68,273.00	\$ 51,204.75	\$ 17,068.25	\$ 276,000.00	4.04
Greenbrier #1	Greenbrier	Acq./Demo.	11	\$ 813,800.00	\$ 610,350.00	\$ 203,450.00	\$ 3,036,000.00	3.73
Nicholas #2	Nicholas	Acq./Demo.	1	\$ 75,910.00	\$ 56,932.50	\$ 18,977.50	\$ 276,000.00	3.64
Lincoln #3	Lincoln	Acq./Demo.	8	\$ 608,310.00	\$ 456,232.50	\$ 152,077.50	\$ 2,208,000.00	3.63
Greenbrier #4	Greenbrier	Acq./Demo.	6	\$ 469,500.00	\$ 352,125.00	\$ 117,375.00	\$ 1,656,000.00	3.53
Spencer	Roane	Acq./Demo.	18	\$ 1,435,000.00	\$ 1,076,250.00	\$ 358,750.00	\$ 4,968,000.00	3.46
Lincoln #5 Hickory St.	Lincoln	Acq./Demo.	9	\$ 744,468.00	\$ 558,351.00	\$ 186,117.00	\$ 2,484,000.00	3.34
Greenbrier #2	Greenbrier	Acq./Demo.	6	\$ 507,300.00	\$ 380,475.00	\$ 126,825.00	\$ 1,656,000.00	3.26
Griffithsville	Lincoln	Acq./Demo.	12	\$ 1,062,900.00	\$ 797,175.00	\$ 265,725.00	\$ 3,312,000.00	3.12
Lincoln #1	Lincoln	Acq./Demo.	7	\$ 622,810.00	\$ 467,107.50	\$ 155,702.50	\$ 1,932,000.00	3.10
Kanawha #10	Kanawha	Acq./Demo.	7	\$ 724,624.00	\$ 543,468.00	\$ 181,156.00	\$ 1,932,000.00	2.67
Lincoln #4 Lynn Ave.	Lincoln	Acq./Demo.	6	\$ 638,628.00	\$ 478,971.00	\$ 159,657.00	\$ 1,656,000.00	2.59
Greenbrier #3	Greenbrier	Acq./Demo.	9	\$ 960,850.00	\$ 720,637.50	\$ 240,212.50	\$ 2,484,000.00	2.59
Lincoln #2	Lincoln	Acq./Demo.	3	\$ 323,352.00	\$ 242,514.00	\$ 80,838.00	\$ 828,000.00	2.56
Fayette #1	Fayette	Acq./Demo.	5	\$ 614,808.00	\$ 461,106.00	\$ 153,702.00	\$ 1,380,000.00	2.24
Nicholas	Nicholas	Acq./Demo.	4	\$ 493,034.00	\$ 369,775.50	\$ 123,258.50	\$ 1,104,000.00	2.24
Kanawha #19	Kanawha	Acq./Demo.	3	\$ 386,593.00	\$ 289,944.75	\$ 96,648.25	\$ 828,000.00	2.14

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HOUSING ACQUISITION / DEMOLITION(CDBG-DR)

Community Name	County	Project Type	Number of Structure	Project Cost	Federal Share	CDBG-DR	Benefits	BCR
Lincoln #6 Yawkey	Lincoln	Acq./Demo.	4	\$ 522,240.00	\$ 391,680.00	\$ 130,560.00	\$ 1,104,000.00	2.11
Kanawha #3	Kanawha	Acq./Demo.	5	\$ 658,000.00	\$ 493,500.00	\$ 164,500.00	\$ 1,380,000.00	2.10
Kanawha #17	Kanawha	Acq./Demo.	4	\$ 528,924.00	\$ 396,693.00	\$ 132,231.00	\$ 1,104,000.00	2.09
Fayette #3 VFD	Fayette	Acq./Demo.	1	\$ 132,610.00	\$ 99,457.50	\$ 33,152.50	\$ 276,000.00	2.08
Kanawha #1	Kanawha	Acq./Demo.	5	\$ 716,771.00	\$ 537,578.25	\$ 179,192.75	\$ 1,380,000.00	1.93
Clendenin #3	Kanawha	Acq./Demo.	1	\$ 144,348.00	\$ 108,261.00	\$ 36,087.00	\$ 276,000.00	1.91
Kanawha #16	Kanawha	Acq./Demo.	4	\$ 602,000.00	\$ 451,500.00	\$ 150,500.00	\$ 1,104,000.00	1.83
Kanawha #11	Kanawha	Acq./Demo.	5	\$ 757,449.00	\$ 568,086.75	\$ 189,362.25	\$ 1,380,000.00	1.82
Kanawha #9	Kanawha	Acq./Demo.	5	\$ 760,449.00	\$ 570,336.75	\$ 190,112.25	\$ 1,380,000.00	1.81
South Charleston	Kanawha	Acq./Demo.	8	\$ 1,247,525.00	\$ 935,643.75	\$ 311,881.25	\$ 2,208,000.00	1.77
Kanawha #2	Kanawha	Acq./Demo.	5	\$ 809,704.00	\$ 607,278.00	\$ 202,426.00	\$ 1,380,000.00	1.70
Kanawha #6	Kanawha	Acq./Demo.	5	\$ 843,949.00	\$ 632,961.75	\$ 210,987.25	\$ 1,380,000.00	1.64
Kanawha #13	Kanawha	Acq./Demo.	3	\$ 520,000.00	\$ 390,000.00	\$ 130,000.00	\$ 828,000.00	1.59
Kanawha #14	Kanawha	Acq./Demo.	5	\$ 868,182.00	\$ 651,136.50	\$ 217,045.50	\$ 1,380,000.00	1.59
Kanawha #7	Kanawha	Acq./Demo.	4	\$	\$	\$	\$ 1,104,000.00	1.54

HOUSING ACQUISITION / DEMOLITION (NON-CDBG-DR)

Community Name	County	Project Type	Number of Structure	Project Cost	Federal Share	Non-Federal Share	Benefits	BCR
Calhoun County Landslide	Calhoun	Acq./Demo.	1	\$ 47,500.00	\$ 35,625.00	\$ 11,875.00	\$ 276,000.00	5.81
Calhoun County	Calhoun	Acq./Demo.	6	\$ 356,000.00	\$ 267,000.00	\$ 89,000.00	\$ 1,656,000.00	4.65
Grantsville	Calhoun	Acq./Demo.	7	\$ 508,000.00	\$ 381,000.00	\$ 127,000.00	\$ 1,932,000.00	3.80
Logan County #2	Logan	Acq./Demo.	2	\$ 153,812.00	\$ 115,359.00	\$ 38,453.00	\$ 552,000.00	3.59
Logan	Logan	Acq./Demo.	3	\$ 348,845.00	\$ 261,633.75	\$ 87,211.25	\$ 828,000.00	2.37
Wood County (HV)	Wood	Acq./Demo.	12	\$ 2,100,000.00	\$ 1,575,000.00	\$ 525,000.00	\$ 3,312,000.00	1.58
Putnam	Putnam	Acq./Demo.	1	\$ 182,373.00	\$ 136,779.75	\$ 45,593.25	\$ 276,000.00	1.51
Calhoun Library	Calhoun	Acq./Demo.	1	\$ 194,000.00	\$ 145,500.00	\$ 48,500.00	\$ 276,000.00	1.42
TOTALS	8	-	33	\$3,890,530.00	\$2,917,897.50	\$ 972,632.50	\$9,108,000.00	

SPECIAL PROJECTS

- EOC Hardening 5,000,000.00 (\$3,750,000.00 Federal Share, \$1,250,000.00 Non-Federal Share [May be eligible for CDBG-DR Set aside])

5% INITIATIVE

- Available funding \$3,483,365.00 (\$2,612,524.00 Federal Share, \$870,841.00 Non-Federal Share)
- Total Exposure in the Floodplain / Total Exposure Area to Landslide Study \$3,000,000.00
- Remainder available for standard projects

7% PLANNING

- \$4,876,711.00 Total Available
- Jefferson County All Hazard Plan Update \$60,000.00 (\$45,000.00 Federal Share, \$15,000.00 Non-Federal Share)
- Remainder available for standard projects