



STAFF REPORT

Report To: Board of Supervisors **Meeting Date:** September 17, 2020

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Possible Action: Discussion and possible action regarding two proposed grant applications totaling \$2,090,000 to the Nevada Division of Emergency Management for the design and construction of detention basins in the Goni Watershed. (Darren Schulz, DSchulz@carson.org and Dan Stucky; DStucky@carson.org)

Staff Summary: The Public Works Department is seeking approval from the Board of Supervisors to submit two grant applications to the Nevada Division of Emergency Management (NDEM) for detention basins in the Goni Watershed approved under the North Carson Area Drainage Plan. The first grant application in the amount of \$1,925,000 is for the design and construction of the Maxwell Basin. The second application in the amount of \$165,000 is for the preliminary design, environmental clearance and cost benefit analysis for the Sutro Terrace Storm Drain & Basins. The City's grant policy requires any grant application over \$50,000 be approved by the Board of Supervisors prior to submittal by City staff.

Agenda Action: Formal Action / Motion **Time Requested:** 5 minutes

Proposed Motion

I move to approve submittal of the two grant applications.

Board's Strategic Goal

Sustainable Infrastructure

Previous Action

N/A

Background/Issues & Analysis

On March 19, 2020, the Board of Supervisors accepted the North Carson Area Drainage Plan, including a prioritized list of future projects and directed Staff to explore funding opportunities. Since then, the Federal Emergency Management Agency (FEMA) has announced the Building Resilient Infrastructure and Communities (BRIC) grant program. These funds are part of the Hazard Mitigation Assistance Grant program which is available to communities through their State Division of Emergency Management (see FEMA fact sheet). The State has selected a 75% federal funding, 25% local match ratio. Each state is allocated \$600,000 and other funds (\$50 million) are available through national competition. Staff proposes to submit an application for the Maxwell Basin Project as a full design/construction project under national competition. The Maxwell Basin Project is estimated to cost \$1,925,000 (City match \$481,250, Federal match \$1,443,750). The other application would be for the Sutro Terrace Storm Drain & Basins as a preliminary design, environmental clearance and cost benefit analysis grant request. The grant request for the preliminary design on the Sutro Terrace Storm Drain & Basins would be \$165,000 (City match \$41,250, Federal match \$123,750). If the City is awarded the grants, the required grant match will come from the stormwater capital account. If the Board

approves the submission of the grant applications, City staff will begin working on the grant applications immediately for submittal to NDEM by December 11, 2020. If successful, funds are expected in late summer of 2021.

Applicable Statute, Code, Policy, Rule or Regulation

The Carson City Grant Administration Policy.

Financial Information

Is there a fiscal impact? Yes

If yes, account name/number: Stormwater Utility Fund- Capital Construction Account / 5053705-507010

Is it currently budgeted? Yes

Explanation of Fiscal Impact: If the grant applications are approved, \$1,567,500 would be augmented for revenues and \$2,090,000 in project expenses; the difference of \$522,500 is the 25% local match required. Available funding in Stormwater undesignated account is \$585,331.

Alternatives

Do not authorize staff to apply for the NDEM grants or provide other direction to staff.

Attachments:

[FY20 BRIC NOFO Fact Sheet_final 508.pdf](#)

[Page 30 from North Carson Area Drainage Plan-REDUCED.pdf](#)

Board Action Taken:

Motion: _____	1) _____	Aye/Nay
	2) _____	_____

(Vote Recorded By)

Notice of Funding Opportunity for Hazard Mitigation Assistance Grants

Fiscal Year 2020 Building Resilient Infrastructure and Communities

The Federal Emergency Management Agency (FEMA) makes federal funds available through the new Building Resilient Infrastructures and Communities (BRIC) grant program to states, local communities, tribes and territories (SLTTs) for pre-disaster mitigation activities. BRIC is a new FEMA pre-disaster hazard mitigation program that replaces the existing Pre-Disaster Mitigation (PDM) program. The Disaster Recovery Reform Act, Section 1234; amended Section 203 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) and authorizes BRIC. The BRIC priorities are to:

- incentivize public infrastructure projects;
- incentivize projects that mitigate risk to one or more lifelines;
- incentivize projects that incorporate nature-based solutions; and,
- incentivize adoption and enforcement of modern building codes.

FEMA has published a Notice of Funding Opportunity (NOFO) for the BRIC grant program. The Fiscal Year 2020 (FY20) BRIC NOFO can be accessed at www.Grants.gov. FEMA encourages reviewing the BRIC NOFO before applying, as it provides detailed program information and other grant application and administration requirements.

Available Funding

For FY20, FEMA will distribute up to \$500 million through the BRIC grant program in the following manner:

- **State/Territory Allocation:** \$33.6 million (up to \$600,000 per Applicant). All 50 states, the District of Columbia, and U.S. territories may apply under the State/Territory Allocation.
- **Tribal Set-Aside:** \$20 million. All Indian tribal governments (federally recognized) may apply under the Tribal Set-Aside.
- **National Competition for Mitigation Projects:** \$446.4 million (estimated). Remaining funds which are not awarded from the State/Territory Allocation or Tribal Set-Aside will be included in the national competition.

Total Available BRIC FUNDING \$500 Million			
Uses of Assistance	\$33.6M State/Territory Allocations	\$20M Tribal Set-Aside	\$446.4M National Competition for Mitigation Projects
Management Costs	✓	✓	✓
Capability and Capacity Building Activities	✓	✓	
Mitigation Projects	✓	✓	✓



FEMA

Funding Caps

The funding caps (federal share) for the BRIC program are as follows:

- **State/Territory Maximum Allocation and Activity Caps:** \$600,000
 - Up to \$300,000 may be used for mitigation planning and planning-related activities per applicant
- **Tribal Set-Aside Activity Caps:** The combined cost of the applicant's capability- and- capacity building activities under the Tribal Set-Aside must not exceed \$600,000 per applicant.
- **National Competition Cap:** \$50 million per subapplication

For additional information on funding caps, visit FEMA.gov.

Cost Share

A cost share is required for all subapplications funded under this program. The non-federal cost share may consist of cash, donated or third-party in-kind services, materials, or any combination thereof. FEMA will provide 100 percent federal funding for management costs. The cost share for BRIC is as follows:

- Generally, the cost share for this program is 75 percent federal/25 percent non-federal.
- Small impoverished communities¹ are eligible for an increase in cost share up to 90 percent federal/10 percent non-federal.
- For insular areas, including American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands, FEMA automatically waives the non-federal cost share for the Recipient when the non-federal cost share for the entire award is under \$200,000. The Recipient may request the waiver in its application.

Application and Funding Deadlines

To apply for funding made available for FY20 through the BRIC program, Applicants must adhere to the following Application and funding deadlines:

Application Opening: **September 30, 2020**

- Eligible Applicants must apply for funding using the new FEMA Grants Outcome (FEMA GO), which is now the management system for BRIC. The development of FEMA GO was a multi-year effort to modernize and transform the way FEMA conducts grants management. FEMA GO will streamline the process to apply for, track, and manage FEMA grants.
- To apply, please visit [https://go.fema.gov/.](https://go.fema.gov/)

Application Deadline: **January 29, 2021 (3:00 p.m. Eastern Standard Time)**

¹ A small impoverished community is a community of 3,000 or fewer individuals identified by the Applicant that is economically disadvantaged, with residents having an average per capita annual income not exceeding 80 percent of the national per capita income, based on best available data.

New system-related issues addressed until **January 27, 2021 (3:00 p.m. Eastern Standard Time)**. Applicants experiencing technical problems outside of their control must notify FEMA by this deadline.

Pre-Award Selection Notice: **June 2021**

Period of Performance **Start Date:** Date of the Recipient's federal Award
End Date: **36 months** from start date for all other subapplications

Eligibility Information

To be eligible for BRIC funding, FEMA will require the applicants and subapplicants listed below to have a current FEMA-approved Hazard Mitigation Plan at time of application and award. Further, Section 203 of the Stafford Act requires the applicant meet the following criteria:

- **State or territory:** Must have received a major disaster declaration under the Stafford Act in the seven years prior to the annual grant application period start date.
- **Federally recognized tribe:** Must have received a major disaster declaration under the Stafford Act in the seven years prior to the annual grant application period start date or be entirely or partially located in a state that received a major disaster declaration in the seven years prior to the annual grant application period start date. A Federally recognized tribe is eligible to apply for a grant either as an applicant or subapplicant. If a tribe requests to apply through the state, the state must meet the "seven year" declaration criteria.
- FEMA must apply this seven-year requirement for each BRIC grant cycle. As of **January 1, 2020**, all states, federally recognized tribes, and territories satisfy these criteria.

FEMA will fund the following uses of assistance through BRIC:

- **Capability- and Capacity-Building Activities** can be submitted under the State/Territory Allocation and Tribal Set-Aside. These are activities that enhance the knowledge, skills, and expertise of the current workforce to expand or improve the administration of mitigation assistance.
- **Mitigation Projects** can be submitted under the State/Territory Allocation, Tribal Set-Aside, and the national competition. Mitigation projects are cost-effective projects designed to increase resilience and public safety; reduce injuries and loss of life; and reduce damage and destruction to property, critical services, facilities, and infrastructure.
- **Management Costs** can be submitted under the State/Territory Allocation, Tribal Set-Aside, and national competition. Management costs allow FEMA to provide financial assistance to reimburse the recipient and subrecipient for eligible and reasonable indirect costs, direct administrative costs, and other administrative expenses associated with a specific mitigation project or C&CB activity.

FEMA will provide the following assistance through BRIC:

- **Non-Financial Direct Technical Assistance** to communities to build a community's capacity and capability to improve its resiliency to natural hazards and to ensure stakeholders are capable of building and sustaining successful mitigation programs, submitting high-quality applications, and implementing new and innovative projects that reduce risk from a wide range of natural hazards.

For additional information on eligibility, view the full FY20 BRIC NOFO, accessible at www.Grants.gov.

Additional Resources

The resources below provide additional information about the BRIC program and can be found at the [BRIC webpage](#) on FEMA.gov:

- BRIC Infographic
- FY20 BRIC Notice of Funding Opportunity (fema.gov)

For general questions about the BRIC program can be directed to the appropriate [State Hazard Mitigation Officer \(SHMO\)](#) or [FEMA Regional Office](#) on FEMA.gov. The HMA Helpline is available by telephone at (866) 222-3580.



North Carson Area Drainage Plan

7. Proposed Conditions Results

Table 6 shows the change in Probable BCR with the updated costs developed for the Preferred Alternatives. The overall costs increased mostly due to earthwork unit costs and a better understanding of quantities. The cost increases resulted in lower BCRs, pushing the Goni Canyon Creek and North Goni Road Basins below 1. It is important to note that the BCRs presented in this report and this table are preliminary in nature. It is anticipated that further refinement of the BCRs will be developed as part of follow-on work efforts while developing FEMA grant applications. These refinements should result in higher BCRs once all factors are considered but may not achieve BCRs above 1 for Goni Canyon Creek and North Goni Road Basins.

Table 6: Updated Decision Matrix

Ranking	AOI ID	Name	Level of Protection	Project's Initial Cost (\$)	No. of Potential Structures Benefited	No. Structures > 0.5 ft in the 100-year storm	No. Structures > 1 ft in the 100-year storm	No. of Structures in ex FEMA Floodplain	10-yr Potential Damage (\$)	25-yr Potential Damage (\$)	50-yr Potential Damage (\$)	100-yr Potential Damage (\$)	500-yr Potential Damage (\$)	Annualized Loss (\$)	Present Day Benefit Value (75 year service life)	Maximum Probable BCR*	Public Input No. of Dots	Removes SFHA?	Impacts Regional Traffic Flow?	Impacts Businesses ?	Impacts Critical Facilities?
1	7	Maxwell Basin	100-year	\$ 1,925,000	19	4	2	7	\$ 1,700,000	\$ 2,400,000	\$ 3,200,000	\$ 5,000,000	\$ 13,500,000	\$ 321,000	\$ 4,557,031	2.37	3	y	y	y	n
2	8	Sutro Terrace Storm Drain and Basins	10-year	\$ 3,326,000	166	16	6	0	\$ 2,300,000	\$ 3,000,000	\$ 3,600,000	\$ 4,200,000	\$ 5,700,000	\$ 315,000	\$ 4,471,853	1.34	9	n	n	n	n
3	2	Goni Canyon Creek Tiered Basins	100-year	\$ 10,907,000	59	11	3	20	\$ 3,600,000	\$ 4,500,000	\$ 6,100,000	\$ 8,100,000	\$ 16,200,000	\$ 549,600	\$ 7,802,319	0.72	4	y	y	y	n
4	6	North Goni Road Basin	100-year	\$ 1,880,000	22	4	2	0	\$ 600,000	\$ 700,000	\$ 900,000	\$ 1,300,000	\$ 2,100,000	\$ 83,800	\$ 1,189,655	0.63	8	y	y	y	n

The following figures for each preferred alternative show the before and after flow depth pre and post project. An additional figure is included that shows the change in flood depths. Since each of the preferred alternatives is designed to provide 100-year protection, only those results are shown.