

# STATE OF COLORADO

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## Colorado Water Conservation Board

### Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Thuy Patton, Floodplain Mapping Coordinator  
Watershed Protection & Flood Mitigation Section

DATE: November 4, 2011

SUBJECT: **Agenda Item 17c, November 15-16, 2011 Board Meeting**  
**Non-Reimbursable Investments – CWCB**  
**Colorado Floodplain Map Modernization**

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

Jennifer L. Gimbel  
CWCB Director

### Discussion

In early 2003, Congress approved a substantial funding package to provide updated floodplain mapping nationwide. Similar funding levels have been allocated by Congress in subsequent years. The CWCB approved and the General Assembly authorized a non-reimbursable investment of \$500,000 in the 2003 Construction Fund Bill with annual funding amounts in all subsequent Bills. Staff is now requesting a total of \$500,000 for program funding.

Colorado has received over \$9 million in federal grant dollars for floodplain mapping activities since 2003 as part of the floodplain Map Modernization program initiated by FEMA. The FEMA funds are being matched by CWCB and local cost-share dollars to implement the map update work that includes engineering and GIS to create new digital countywide maps. The funds authorized in the 2003 and all subsequent Construction Fund Bills have provided the required non-federal matching dollars (80/20 cost share program). The State funds are further leveraged by local cost share dollars and in-kind services from many communities thus far.

The staff of the Watershed Protection and Flood Mitigation Section is requesting approval by the Board for a non-reimbursable investment from the CWCB Construction Fund in the amount up to \$500,000 to provide matching dollars and related study funds in order to take advantage of the federal grant funds from FEMA for modernized floodplain maps in Colorado.

### Staff Recommendation

Staff recommends that the Board request that the General assembly authorize up to \$500,000 from the Construction Fund to be appropriated to the Colorado Water Conservation Board for technical activities related to the Colorado Floodplain Map Modernization Program.

## Water Project Construction Program – Project Data Non-Reimbursable Investment

**Applicant:** Colorado Water Conservation Board

**County:** Statewide

**Project Name:** Colorado Floodplain Map Modernization Program

**Project Type:** Matching Funds for Federal Grants

**Drainage Basin:** All River Basins in Colorado

**Water Source:** N/A

**Total Project Cost (Annual):** \$1,900,000

**Funding Source:** CWCB Const. Fund

**Type of Grantee:** State Government

**CWCB Non-Reimbursable Inv.:** \$500,000 (up to)

Colorado has received approximately \$9.0 million in federal grant dollars for floodplain mapping activities as part of the floodplain Map Modernization Program (Program) initiated by FEMA in 2003. The FEMA funds are being matched by CWCB and local cost-share dollars to implement the map update work to create new digital countywide maps. The initial Program funds authorized in the 2003 and all subsequent Construction Fund Bills have provided the required non-federal matching dollars (80/20 cost share program). The State funds are further leveraged by local cost share dollars and in-kind services from many communities thus far. The total funding amounts have been instrumental in keeping Colorado as a lead state within FEMA Region 8 and will continue to benefit Colorado communities in the future. It is expected that significant FEMA funding will continue as long as the Program exists. Program deliverables will become part of the Flood DSS system to increase data capture and enhance Colorado's decision support tools.

The Program will eventually impact the entire state, and the objective is to develop updated watershed-based countywide floodplain maps using current base map information within a digital environment. The use of GIS technology will be employed for all new countywide studies for ease of distribution, updating and viewing. The table below summarizes funding provided by the CWCB and FEMA/Local governments for CWCB managed projects (in progress or completed).

<u>COUNTY</u>	<u>CWCB Funds</u>	<u>FEMA/Local Funds</u>	<u>COUNTY</u>	<u>CWCB Funds</u>	<u>FEMA/Local Funds</u>
Archuleta	\$71,000	\$228,760	Mesa	\$33,960	\$435,780
Boulder	\$17,807	\$524,709	Montrose	\$60,376	\$241,503
Clear Creek	\$2,950	\$158,605	Montezuma	\$53,000	\$452,735
Chaffee	\$44,000	\$399,290	Morgan	\$25,000	\$270,700
Delta	\$21,630	\$277,763	Park	\$18,800	\$165,200
El Paso	\$75,635	\$1,332,030	Pitkin	\$20,772	\$466,388
Elbert	\$141,548	\$301,982	Prowers	\$76,605	\$691,024
Fremont	\$23,294	\$146,240	Pueblo	\$71,768	\$945,902
Garfield	\$29,912	\$325,000	Rio Grande	\$58,300	\$152,810
Gunnison	\$79,250	\$272,422	Summit	\$21,098	\$189,876
La Plata	\$74,200	\$391,910	Teller	\$23,100	\$207,900
Logan	\$30,550	\$271,050	Weld	\$112,419	\$658,530