



**CITY OF BOULDER
CITY COUNCIL AGENDA ITEM
MEETING DATE: October 29, 2013**

To: Members of City Council

From: Jane S. Brautigam, City Manager
Paul J. Fetherston, Deputy City Manager

Date: October 29, 2013

Subject: Update on Flood Recovery and Disaster Assistance Status

EXECUTIVE SUMMARY:

This is the third council update since the flood of Sept. 11 through 15. Previous updates were included in the Oct. 1 and Oct. 15 City Council meetings.

City staff continues to work with state and federal agencies to connect impacted residents to individual disaster assistance and is working to restore city facilities and streets. This memo provides an update of the progress made since the report to Council on Oct. 15 and reflects the “Key Objectives for near-term recovery and long-term resiliency relative to the 2013 Flood” approved by council during that meeting.

COUNCIL ACTION REQUESTED:

None

BACKGROUND:

By Sept. 17, most city departments transitioned from emergency response to disaster assistance efforts and have been working cross-functionally to remove debris and restore municipal government operations, facilities and community infrastructure. A summary of the disaster assistance and recovery status, accomplishments from Oct. 10 through Oct. 25 and near-term priorities are included in **ATTACHMENT A**. Accomplishments that were listed in previous council memos are available through the following links: https://www-static.bouldercolorado.gov/docs/10.01.13_Final_Agenda_Packet_Electronic-1-201309271640.pdf and <https://documents.bouldercolorado.gov/weblink8/0/doc/123876/Electronic.aspx>

ATTACHMENT A –Department status updates

ATTACHMENT A

Department Status Updates

Across the city organization, the focus has been on continuing to assess the flood-related damage, coordinating with FEMA and providing initial cost estimate information, and drafting scopes of work related to recovery projects. Information related to specific status updates and accomplishments towards recovery goals are listed below.

PUBLIC WORKS DEPARTMENT:

UTILITIES:

Source Water System

Recovery Goal:

Restore and stabilize all critical elements of the water system before the onset of winter or approximately Nov. 1, 2013 in mountainous areas.

Status:

The Recovery Goal has been met for critical source water facilities. One element of the source water system, Wittemyer Ponds, which has a role in future water supply plans, sustained significant damage. An evaluation of repairs needed and potential recovery funding sources is underway by staff with the assistance of FEMA. Staff is also supporting recovery efforts for local ditches impacted by the flood. City of Boulder, Utilities is a majority shareholder in Anderson and Farmers Ditch Companies, both of which sustained flood related damage (mostly sediment and debris issues).

Accomplishments:

- Recovery Goal has been met for all critical elements of the source water system.

Water Treatment and Distribution

Recovery Goal:

Restore and stabilize all critical elements of the water system by Nov. 4, 2013.

Status:

The city's two treated water pipelines in Boulder Canyon were impacted by flood erosion and unstable slopes, and one of these pipes is currently offline pending the completion of stabilization work. This work is schedule to be completed by Nov. 4, 2013.

The Betasso Water Treatment Facility is back to normal operating conditions. Solar panels that suffered minimal damage have been serviced and are back in operation. Minimal work is still needed to repair eroded areas caused by the flood.

At the Boulder Reservoir Water Treatment Facility the influent pipe from the Boulder Feeder Canal was plugged due to sediment carried by the canal. Bids have been received for the removal of the sediment in the influent pipe and a contractor has been selected. It is anticipated that work will begin the week of Oct. 28, 2013.

A temporary interconnect to provide water to the Spring Valley Water District is still in place and will continue until repairs are completed to the District water system.

Accomplishments:

- Betasso Water Treatment Facility is back to normal operating conditions.
- Contractor selected to remove sediment from influent pipe at the Boulder Reservoir Water Treatment Facility.
- Completed restoration work on the Booten water storage tank access roads.

Wastewater Collection System

Recovery Goal:

Restore or stabilize all critical elements of the wastewater collection system by Nov. 1, 2013.

Status:

Boulder Creek breached its north bank just upstream of the confluence with South Boulder Creek. The creek is now flowing through Pit D and across the interceptor sewer at the northeast corner of Pit D. A recent inspection of the area revealed that there was not a significant risk of damage to the interceptor. One manhole is still submerged by several inches of creek water but it is anticipated to be dry again as creek flows recede.

A contractor has been hired to reconstruct the destroyed manhole on Willowbrook Road. It is anticipated that the work will be completed by Nov. 8, 2013.

A contractor has been hired to conduct an initial assessment of the wastewater collection system. Based on current funding it is anticipated that they will be able to assess approximately 100,000 feet of 8" to 15" pipe (approximately 5 percent of the collection system). This work will begin in early November and is expected to continue into January of 2014.

The city is also evaluating the need for hiring another specialized contractor in early 2014 to inspect and clean the large diameter sewers in the collection system such as the main interceptor leading to the Wastewater Treatment Facility.

Accomplishments:

- Floodwaters in Two-mile Canyon Creek destroyed a section of sewer serving about 50 homes along Spring Valley Road and West Linden Drive. Reconstruction of the destroyed section of sewer line has been completed.

Wastewater Treatment Facility (WWTF)

Recovery Goal:

Restore all critical elements of the wastewater treatment facility by Nov. 1, 2013, including the influent bar screens in the "headworks" portion of the facility.

Status:

The influent 24-hour flow totals have further reduced to 18 million gallons per day (Mg/D). It is anticipated that there will be a slow and steady return to pre-flood flows (normal, pre-flood was 13 Mg/D on average) over the next several months. Damaged headworks screens were shipped for repairs at the manufacturer's facility. One is back in service and the other screen remains

with the manufacturer, with an unknown return date. The secondary digester is being drained to allow full inspection of the guides and perform necessary repairs.

Accomplishments:

- City staff and a contractor completed debris removal work from the headworks process and primary clarifiers on Oct. 16, 2013. Three roll-off dumpsters containing sand, grit, and rocks have been hauled to the landfill.
- IBM Lift Station dirt access road has been repaired and fortified to allow safe access to the facility.

Storm water collection system

Recovery Goal:

By April 1, 2014, restore the capacity of the storm sewer and local drainage systems. This will require removal of significant debris and sediment lodged in pipes, catch basins and inlets.

Status:

Continuing to work to remove debris and sediment lodged in pipes, catch basins and inlets. City crews and contractors have cleaned and visually inspected approximately 60 percent of the storm water collection system within the 100-year floodplain. It is anticipated this work will continue through the winter and be completed by April 1, 2014.

A contractor has been hired to repair a crushed storm water culvert at the intersection of Table Mesa Drive and Vassar Drive. The work is expected to be completed by Nov. 29, 2013.

A contractor has been hired to clear debris from a blocked culvert inlet at 100 Arapahoe Road where a landslide has destroyed a building and deposited approximately four feet of sediment on top of the culvert inlet. It is anticipated that the work will be completed within the next two weeks.

Accomplishments:

- City crews and contractors have cleaned and visually inspected approximately 60 percent of the storm water collection system within the 100-year floodplain.

Major Drainageway System

Recovery Goal:

By April 1, 2014, restore the capacity of the major drainageway system, with the exception of Fourmile Canyon Creek. Restore the capacity of the Fourmile Canyon Creek drainageway by Oct. 1, 2014. This will require removal of significant debris and sediment as well as the restoration or reconstruction of improved drainageway features such as drop structures, retaining walls and eroded channel bottoms. This work will be limited to areas where the city has easements.

Status:

Continuing to develop a plan for long-term reconstruction, sediment and debris removal for heavily impacted drainageways including Bluebell Creek, Gregory Canyon Creek, Twomile Canyon Creek and Fourmile Canyon Creek.

Continue to clear sediment and debris and restore drainageway features along Two-mile Canyon, Fourmile Canyon and Boulder creeks in cooperation with the Urban Drainage and Flood Control District. Work to clear sediment and debris and restore drainageway features along Gregory Canyon Creek has been initiated.

Accomplishments:

- An information open house for residents of the Twomile Canyon Creek and Upper Goose Creek areas was hosted on Oct. 17, 2013.
- An information open house for residents of the Gregory Canyon Creek area was hosted on Oct. 23, 2013.
- An information open house for residents of the Bluebell Canyon Creek area was hosted on Oct. 24, 2013.

TRANSPORTATION:

Street Damage

Recovery Goal:

- Reconstruct and open residential streets (i.e., Willow Brook) impacted by flooding by December 2013.
- Clear and/or reconstruct culverts and adjacent impacted roadways with higher volume streets (47th north of Independence) completed by the end of October 2013.
- Clear and/or reconstruct culverts and adjacent impacted roadways with lower volume streets (Pennsylvania west of 7th, and 55th and Cypress) completed by the end of December. *[Goal revised from completion date of October to better coordinate with Utilities and the Federal Highway Administration.]*

Status:

A few residential roadways remain closed and/or will need to be reconstructed because of flood damage. A list of current closures can be found at www.BoulderFloodinfo.net.

Numerous storm water channels through bridges and culverts need to be cleared of sediment and debris.

Accomplishments:

- Improved access to high priority residential streets - Paved access has been restored on streets that had significant damage and homes could not be accessed. Example streets include King Avenue from 17th to 18th Streets; Willowbrook Drive north of Cascade and 7th Street from Pennsylvania to University.
- Replaced the damaged culvert on 47th Street north of Independence Street near Pleasant View Soccer Facility and reopened 47th Street; and
- Vehicular bridges - All structures have been evaluated and confirmed to be safe and operable. Many structures still need to have dirt and debris removed, added channel armoring or reconstruction and other minor repairs.

Debris on streets

Recovery Goal:

- Clear majority of the debris from streets and sidewalks deposited by the flooding by Nov. 1, 2013. Debris removal is expected to continue throughout the end of the year.
- Additional sediment removal in culverts and side ditches will continue into the spring of 2014. *[new goal]*

Status:

Work to clear sediment and debris on roadways and street sweeping to follow up debris removal.

Street Sweeping

Recovery Goal:

Continue to sweep the street system concentrating on hardest hit areas first. Sweep and clear debris from all roadways with bike lanes, making them useable by the middle of October 2013.

Status:

Most areas have been swept at least one time but many will need several more passes and hand work to completely clean the street.

Bike/Multi-Use path system and Underpasses

Recovery Goal:

Clear debris from paths and underpasses; remove trees that were undermined; reconstruct damaged path sections and open all of the greenways system to public use by the end of the year. Sections that require extensive channel reconstruction could extend into spring 2014.

Status:

Much of the flood impacted path system is open and crews continue to sweep sand from the paths. All of the underpasses have been cleared of debris. Several of the path segments that sustained major damage have been reconstructed and are now open. Up-to-date path and underpass closure can be found at www.BoulderFloodinfo.net. The areas that have the most damage and high water include Boulder Creek and sections of Fourmile Canyon Creek.

FACILITIES AND ASSET MANAGEMENT (FAM)

Recovery Goals:

- Complete all facility assessments and damage costs estimates by mid-November;
- Open all community use facilities for full use by the end of October (Reynolds Library, West Senior Center, parts of North Boulder Recreation Center);
- Identify all latent flood damages to electrical, lighting and HVAC systems by the end of October; and
- Incorporate flood mitigation work with damage repairs, especially at the recreation centers, Reynolds Library and fire stations.

Status:

Of the 373 city buildings and structures, 369 (99 percent) have been assessed. Of those assessed, 49, or 13 percent, have damages. Four facilities remain closed (West Senior Center, Reynolds Library, Wildland Fire Cache and the FlatIrons Event Center) with immediate restoration actions completed:

- Fire Station #4 was one of the facilities that was closed and re-opened on Sept. 30 with permanent repairs still to be completed.

- Rehabilitation work is underway at the West Senior Center and George Reynolds Branch Library. This construction is highlighting opportunities to leverage resources and complete related work at the same time.
 - The scope of flood damage at West Senior Center has required additional investment. However, the kitchen area used by Meals on Wheels is expected to be open on Nov. 12, and flood recovery work involving the rest of the West Senior Center is expected to be completed on Nov. 22.
 - The basement of the George Reynolds Branch Library is also expected to be completed on Nov. 22. The upstairs library at the branch is expected to be open for patron use in mid-November, following the completion of some service enhancements and a thorough cleaning.
- Assessments continue for the Wildland Fire Cache and FlatIrons Event Center, with the Spice of Life kitchen continuing to operate in safe areas of the FlatIrons Event Center. Staff is working to ensure repairs and flood mitigation are completed in accordance with FEMA requirements.

Accomplishments:

- 99 percent of buildings and structures have been assessed for flood damage;
- Flood damage to 49 facilities had air, water and materials tested to varying degrees; and
- Roof repair estimates have been completed and nearly all repairs completed.

PARKS AND RECREATION DEPARTMENT:

Accomplishments

- All three recreation centers are open and functioning with minimal program adjustments due to flood impacts at the North Boulder Recreation Center Gymnasium.
- The department met the goal of opening the majority of parks by the end of October including Eben G. Fine Park. The only parks that are still closed include the severely damaged Evert Pierson Kids Fishing Ponds, Elk's Park, Elmer's Two Mile Park, and Knollwood Tennis Courts. The closed parks require design and major reconstruction due to the extent of the damages.
- Throughout the past month, the department has hosted volunteer projects at 10 different parks with volunteers performing tasks such as removing debris, trail and path restoration, spreading sand, reseeding, and much more. A total of 775 volunteers have worked for a total of 2,266 hours.
- Nearly all of the Boulder Creek Bike Path has been opened in part to a very collaborative effort with city departments and volunteers.

Priorities:

Unchanged

Goals:

- Coordinate with FAM to assess the opening all of the North Boulder Recreation Center by early spring 2014.
- Continue volunteer projects to restore neighborhood parks as well as larger restoration projects in the spring 2014.

OPEN SPACE AND MOUNTAIN PARKS DEPARTMENT:

Flood recovery work includes restoring community access through systematic repair to trails and trailheads and the lifting of flood-related access restrictions. OSMP staff is working with the State of Colorado's "Stream Team" to coordinate the restoration of portions of Boulder Creek and South Boulder Creek with other affected property owners, service providers, as well as funding and regulatory agencies. Staff is actively working to restore agricultural operations, repairing fences and irrigation systems while collecting information from OSMP agricultural tenants to better understand their losses and help connect them with sources of assistance such as the Front Range Farm Relief Fund. On Oct. 21, OSMP hosted an open house describing the departments flood recovery efforts. Approximately 100 people attended. Details relevant to progress toward OSMP's previously established recovery goals are provided below.

Visitor Access:

Trailheads

Recovery Goal: Restore 80 percent (=28) of OSMP trailheads by Nov. 1, 2013 so they can be used for visitor access or for staging of reconstruction materials and equipment for flood recovery.

Status:

Currently 91 percent (31) of trailheads are restored to visitor access or are available for staging recovery efforts. As of Oct. 22, 23 of the 35 OSMP trailheads are open to the public. Another eight (8) trailheads are available for staging of materials and supplies for recovery operations. *OSMP has met and exceeded this flood recovery goal* (see Figure 1).

Accomplishments:

- Six (6) OSMP trailheads have been opened to public access in the period between the drafting of City Council updates (Oct. 9-Oct. 23.).
- Another eight trailheads have been restored so they can be used for staging operations. These include the South Mesa Trailhead (off Eldorado Springs Road), the Fourmile Creek Trailhead (at Lee Hill Road) and six trailheads on Flagstaff Mountain. While some of the trailheads on Flagstaff *could* be made available for visitor access, OSMP is cooperating with Boulder County's request to limit Flagstaff Road traffic to local residential use until the road can be repaired.
- The city Website is updated daily showing each trailhead that opened for public use. A map showing the all opened and closed trailheads is updated daily when there is a change.

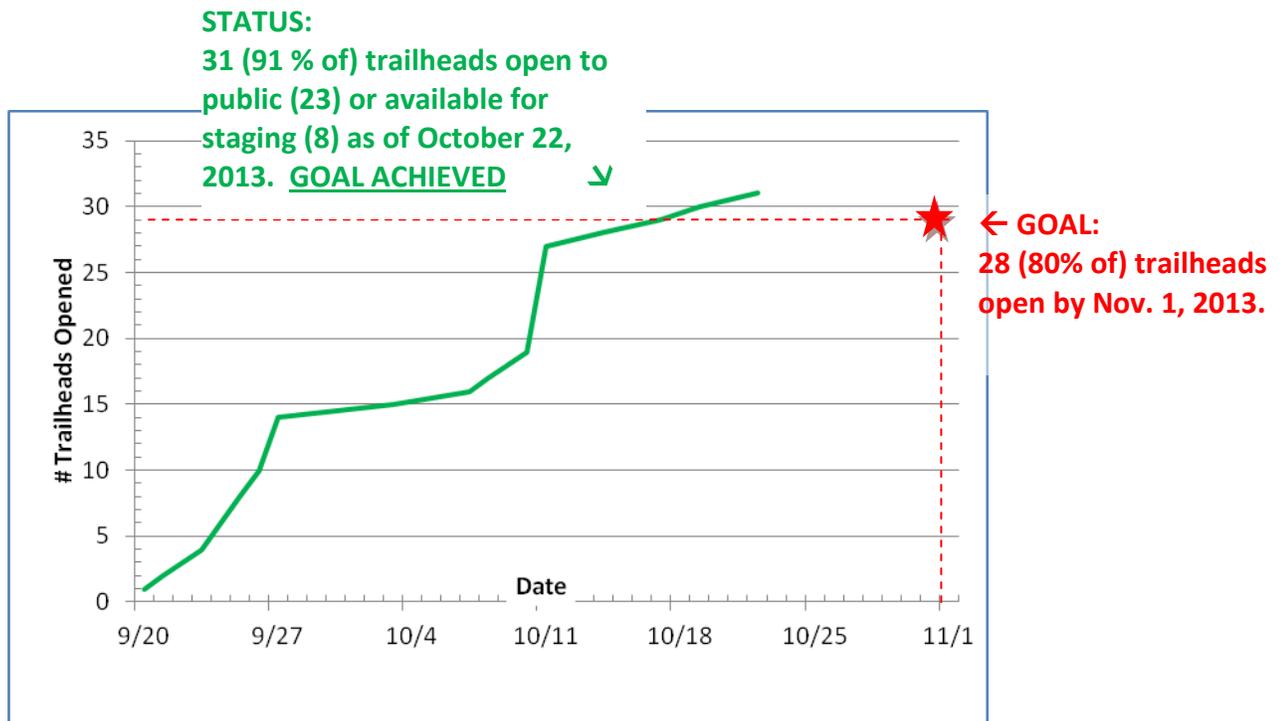


Figure 1: Post-flood OSMP trailhead openings (Total number of trailheads= 35)

Trail Access

Recovery Goals:

- Restore access to 50 percent (=70 miles) of OSMP trails by Jan. 1, 2014.
- Guarantee up to date information about OSMP trail and trail head openings will be posted to the city Website by 6pm daily.

Status:

As of Oct. 23, 91 miles, or 63 percent of OSMP’s trails have been opened to visitor access.

OSMP has met and exceeded this flood recovery goal (see Figure 2).

Accomplishments:

- Thirteen (28) miles of OSMP trails have been opened in the period between the drafting of City Council flood updates (Oct. 9.-Oct 22).
- Each trail opening includes the following actions:
 - Evaluate site specific conditions;
 - Repair trails to a standard adequate for public access by identifying and addressing critical hazards;
 - Place signs and barricades restricting access to closed areas and
 - Remove/change signs allowing access to newly opened areas.
- Updating the city Website daily to list each trail/trail segment opened that day. A map showing the all opened (and closed) trails is also updated daily when there is a change.

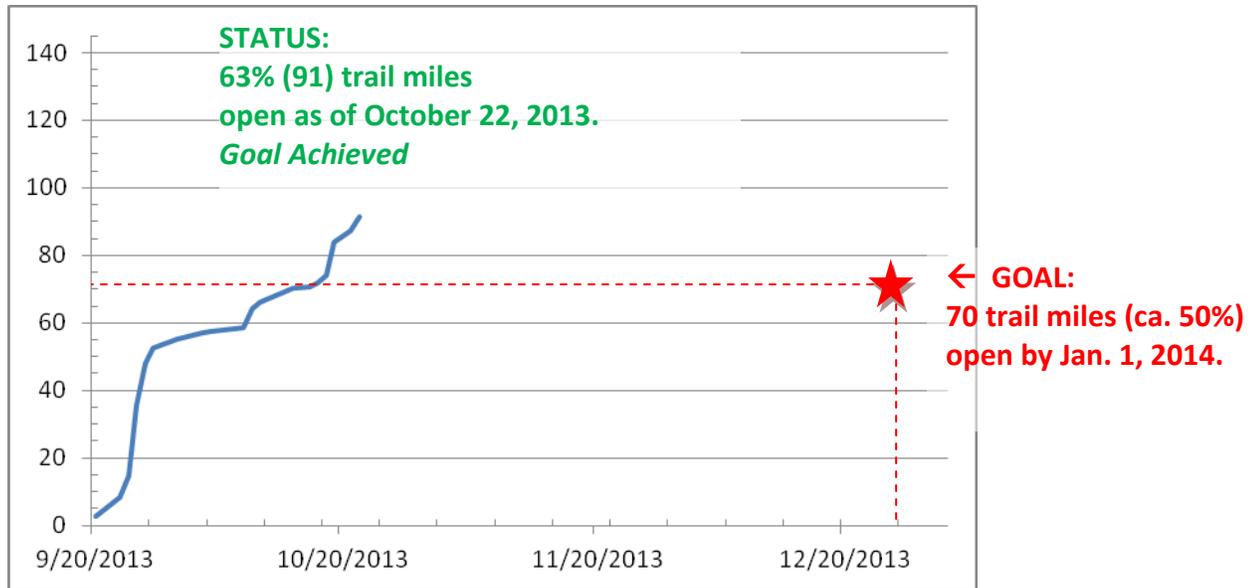


Figure 2: Post flood OSMP trail openings (Total trail mileage = 145)

Long-term Trail Recovery Project Timeline

Recovery Goal:

By Nov. 1, 2013, complete a trail recovery project timeline describing the anticipated duration of trails projects to address reconstruction, rerouting or resource/hazard mitigation efforts.

Status:

When it became clear that OSMP would achieve the trail opening objective set immediately following the flood, staff had already begun the process of developing the long-term trail recovery project timeline. Staff has developed a plan that describes opening distinct subsets of the OSMP trail system by Nov. 1, 2013, Dec 31, 2013 and sometime after the beginning of 2014. Under the proposed plan, over 80 percent of OSMP trails will be opened by the end of 2013. Specific trails included in the various categories are shown in the attached plan summary.

Date of Opening	Number of Trail Miles	Percent of Trail Miles
Currently Open	91	63%
Nov 1st	10	8%
Dec 31st	16	12%
After 2013	28	18%
TOTAL	145	100%

Accomplishments:

- Volunteers from the Front Range Climbing Council and Rocky Mountain Rescue were trained by OSMP staff and completed assessments for climbing access and other miscellaneous trails.
- Completed an updated trail opening plan.

Visitor and Infrastructure Protection

Recovery Goal:

Complete a geotechnical analysis of those areas of the existing trail system where slope failure and related threats have affected OSMP infrastructure.

Status:

Open Space and Mountain Parks has contracted with a engineering firm to provide the city assessments of risks associated with the restoration of trails over and around landslides

Accomplishments:

- Open Space and Mountain Parks has contracted with a engineering firm to assess the risk associated with the restoration of trails in the vicinity of landslides
- The engineer has been deployed to several project sites in advance of restoration work and has provided opinions for several projects. In all cases work by staff or volunteers has been consistent with the findings of the consultant.

Commercial and Special Use Permitting

Recovery Goal:

By Jan. 1, 1014, reinstate OSMP commercial and special use permits and permitting programs.

Status:

Those holding commercial permits at the time of the flood are allowed to use those permits consistent with OSMP regulations, including flood-related closures, off-trail and night time restrictions. The commercial use permits program is otherwise suspended. The special use permit program is also suspended.

Accomplishments:

In response to public input and comment by the direction by the Open Space Board of Trustees commercial permits were reactivated on Oct. 10.

Community Outreach

Status:

Volunteer Programming

Recovery Goal: Starting the week of Sept. 23 offer at least four volunteer flood restoration projects weekly. Volunteer opportunities will include chances for community members, employee groups, AmeriCorps and others to: 1) Improve the condition of OSMP trails, 2) Repair or restore agricultural operations, 2) Control the spread of weeds and other threats to ecological sustainability.

Status:

During the week of Oct. 7

Four projects that involved 78 volunteers contributing 405 hours.

Groups participating included the Boulder Mountainbike Alliance, Boulder Trail Runners, White Wave Foods, Deuter Sports Group, Rocky Mountain Rescue, Flatirons Climbing Council, AmeriCorps as well as individuals working off community service requirements and members of the general public.

During the week of Oct. 14

Three projects offered (one was cancelled by the group) 89 volunteers contributing approximately 500 hours.

Groups participating included IRONMAN Boulder, Boulder KIND bar, Boulder Mountainbike Alliance, Boulder Mountain Bike Patrol, Boulder Trail Runners, as well members of the general public.

Six projects are planned for the week of Oct. 21.

Accomplishments:

Volunteer Projects Completed since previous update

1. Oct. 9: Twelve volunteers (48 hours) from White Wave Food & Deuter – fence repair project.
2. Oct. 9: The Flatirons Climbing Council (FCC) and Rocky Mountain Rescue (RMR) training for trail assessment (160 hours)
3. Oct. 10: Tallgrass Species Seed Collection. 14 people (49 hours).
4. Oct. 12: AmeriCorps NCCC FEMA Crew. Fence repair. 10 people (60 hours).
5. Oct. 19: Trail repair at both the Doudy Draw trailhead and trail, and on the South Boulder Creek fishing access trail. 81 people (405 hours)
6. Oct. 20: Community Service project around the Settlers' Park area. Eight volunteers.
7. Oct. 22: Fence repair in the Tallgrass West Area. 20 volunteers (120 hours).
8. Oct. 22 Restoration of a wetland near the South Boulder Creek West trailhead. 14 volunteers (42 hours)

Volunteer Projects Planned

1. Oct. 23: FULL. Group project with Nature Conservancy. 20-40 volunteers. Helping to dig out the Silver Lake Ditch.
2. Oct. 26: Western Resources Volunteers (WRV) project from 9 a.m.-4 p.m. Fence Repair at along Boulder Creek. WRV will recruit 35 people, and OSMP will recruit 35 people
3. Oct. 26: South Boulder Creek Trail, between Cherryvale and South Boulder Road. Family friendly crusher fine project, ages 10 and up.
4. Oct. 26: Eagle Scout project at Panoramic Point and the Halfway House (this was moved from Buckingham TH). They will be fixing flood damage to the ADA trails and to the trails leading to each of these areas. About 30-40 people will be attending.
5. Nov. 1: South Mesa Project with WRV volunteers will repair trail damage.
6. Nov. 2: Twenty CU students will volunteer as a part of a "Give a Day Project." 10 a.m.-4 p.m. Fencing Project.

In addition to volunteer programs, Open Space and Mountain Parks continues its innovative public program called *Changing Landscapes - OSMP after the Floods*. Almost 600 people have participated in the 35 hikes offered thus far.

On Oct. 21, OSMP hosted a community open house to discuss flood recovery operations. Over 100 community members attended the meeting where they had the opportunity to listen to a staff presentation, and then engage one on one with staff members to have their specific questions answered.

Ecological Systems

Recovery Goals:

Develop and prioritize at least three distinct post-flood ecological management projects.

Status:

Projects are still in the development phase. OSMP is focusing on coordinated restoration of creeks and riparian areas where critical facilities mitigation (e.g., roads, sewer lines, irrigation delivery structures) require repair or. Such a coordinated effort will address top-level community concerns and give OSMP staff an opportunity to minimize ecological effects on OSMP lands. Staff is still waiting for flows to diminish to safely assess the damage to aquatic habitat infrastructure destroyed by the flood.

Accomplishments:

- OSMP staff worked with the lead of the state’s “Steam Team” to bring the team to Boulder for an information meeting.
- The initial Stream Team contact has resulted in a site visit by the Stream Team to areas of Boulder and South Boulder creeks, where impacts to irrigation systems, public utilities, private property and OSMP lands will require a coordinated approach to creek restoration.
- OSMP staff continues to work with Boulder County and the Urban Drainage and Flood Control District to address impacts to North 95th Street, by temporarily channelizing Boulder Creek’s flows on OSMP upstream of the roadway. This project will ultimately result in ecological restoration of the OSMP property where the creek left its channel and has been placed in a temporary “by-pass”.
- The long growing season and wet late summer have provided good opportunities to collect and stockpile seed to assist with post flood recovery efforts. Staff continues seed collection projects, many involving volunteers.
- Wetlands on OSMP were affected by deposition of sediment. Staff has been working to remove these sediments—also involving community volunteers on some of these projects.

Ecological Systems & Resource Operations

The two classes of impacts to OSMP for which recovery costs may not be considered reimbursable by FEMA are 1) management of unimproved natural systems, and 2) impacts to water delivery infrastructure. The first of these is described in the status section of the previous goal. Impacts to water delivery infrastructure include, but are not limited to, damage or destruction of the headgates that divert creek flows into irrigation ditches, as well as sedimentation and erosion of irrigation ditches.

Recovery Goal:

Identify at least two sources of funding for Emergency projects which are unlikely to be reimbursed by FEMA.

Status:

Staff has identified funding for repairs to irrigation infrastructure from the Northern Water Conservancy; and continues to track other potential funding sources.

Accomplishments:

- The flood operations team (Parks and Recreation, Public Works and OSMP) is working to share information and ensure staff-level coordination of grant applications.

Open Space and Mountain Parks Trail Openings Plan:

Opening by Nov. 1, 2013

- Flagstaff Trail
- Flagstaff Summit Trails
- Crown Rock /Contact Corner
- Amphitheater/Lower Saddle Rock Loop (Climbing opportunities)

Opening by the Dec. 31, 2013

- Old Kiln Trail
- Sanitas Valley Trail
- Skunk Canyon Trail
- Upper Big Bluestem Reroute and complete repairs to Lower Big Bluestem Trail
- Upper Bear Canyon Trail
- Homestead Trail
- South Boulder Creek Trail (Baseline Road to South Boulder Road)

Opening Beyond 2013

- Fourmile Trailhead and Foothills Trail at Fourmile Creek
- Chapman Drive (Trail & Trailhead) and Tenderfoot Trail
- Access Road to Green Mountain Lodge (from Realization Point)
- Gregory Canyon, Ranger, Long Canyon trails
- Upper Saddle Rock / E.M. Greenman trails
- Royal Arch Trail
- Mesa Trail Junctions
 - Bluebell Creek
 - Skunk Canyon
 - Bear Canyon
- South end of the Mesa Trail / Towhee Trail/ South Boulder Creek West Trail.
- East Boulder Trail at Boulder Creek (White Rocks)
- South Boulder Creek Trail (South Boulder Road to Marshall Road)
- Anemone Trail

Contingent Openings (“Opening After 2013-Contingent”)

- Trails contingent on the opening of Flagstaff Road beyond local resident traffic by Boulder County:
 - Green Mountain West Ridge
 - Green Bear
 - Bear Peak West Ridge
- Buckingham Park in Lefthand Canyon
 - Contingent on Lefthand Canyon road opening by Boulder County.
- Eldorado Canyon
 - Contingent on the opening of adjacent trail sections in Eldorado Canyon State Park and Boulder County Parks and Open Space and State of Colorado and Boulder County road openings.

COMMUNITY SERVICES FUNCTIONS:

Human Services

Human Services is working with a county-wide group to develop long-term human services and housing recovery plan. The Long Term Recovery Group is developing a strategy to coordinate and organize efforts that effectively utilize community resources and deliver services and expertise to communities. A coordination committee consisting of representatives of the cities of Boulder and Longmont, Boulder County, Town of Lyons, Town of Jamestown, and United Way is overseeing the development of the long-term recovery plan, ensuring that decisions benefit all Boulder County residents and the incorporated towns and cities of Lyons, Boulder and Longmont.

The recovery group has identified seven key areas of focus:

1. Data and needs assessments – Identify needed services for individuals and nonprofits from available data collected from various entities, including FEMA
2. Case Management – Coordinate services between national, state and local service providers to maximize resources
3. Communications – Between recovery group entities and the public
4. Housing – Identifying current and long-term needs from data sources
5. Community Wellness – Coordinate health and mental health services and communication with other government functions
6. Volunteer Care – Coordinate national, state and local volunteer groups to effectively deploy available services
7. Funding and Donations – Coordinate and manage distribution and allocation of donations

The United Way will use the Long Term Recovery Group to identify and determine funding priorities for continued allocation of United Way Flood Relief Funds, as we transition from short-term emergency needs to longer term recovery needs.

Debris Collection

- As of Friday, October 25, the flood debris curbside collection program is complete!
- During the 4 weeks of collection, 626 trucks hauled 11,378 tons of sediment and 1,481 tons of deconstruction debris, serving over 10,000 households.
- As the City continues to assess and manage all its public lands, city departments including Public Works - Transportation and Public Works – Utilities; Open Space and Mountain Parks; and Parks and Recreation are all contracting for removal of sediment piles on other public properties. This is expected to continue into the coming weeks and months.

Housing:

- Supported Habitat for Humanity in creating a flood repair program for affected low-income owners of affordable units.
- Working with non-profits that have flood damage in order to encourage them to access SBA and FEMA public assistance.

Business:

- Economic vitality staff continues to assist impacted businesses and answer a wide variety of flood related questions from businesses.
- The city's Park and Recreation staff and Economic Vitality staff continue to work closely with A Spice of Life. The catering and events company is not only a tenant of a city facility (The Flatirons Event Center), it is also an important Boulder-based company and therefore a business retention client.

Planning and Development Services Center

- Staff is assisting impacted property owners and renters with walk in and phone inquiries, and building permit application submittals. Customer interaction and permit activity related to flood recovery is approximately 40% overall
- Building services staff continue to conduct inspections on an as-needed basis.

Community Outreach

- Held the three neighborhood open houses: Twomile Canyon and Upper Goose Creek (Oct. 17), Gregory Creek Canyon (on Oct. 23), and Bluebell Canyon Creek, Kings Gulch, and Skunk Creek (Oct. 24) to provide information on flood recovery, flood mapping Information (with approximate delineations of recent flooding for review and comment by residents), impacts and status of transportation infrastructure, and Open Space status
- Meetings were well attended with over 100 people on Oct.17, approximately 75 on Oct. 23, and about 60 on Oct. 24. Many residents and property owners whose properties and homes suffered significant damage attended the meetings. Most were extremely appreciative of the city having the open houses. Quite a number of people are concerned about repair and reconstruction of both city and private infrastructure and property as well as plans for improvements.
- Key themes and concerns from residents focused on the flood mapping information and what actually occurred during the event, how the flooding affects individual properties and areas, future drainage basin improvements, wetland and other permitting questions and concerns, and building and property restoration and repair.
- Staff is working on scheduling meetings for South Boulder including Bear Creek and South Boulder Creek. Dates to be determined.

Potential Annexations

- The city has been contacted by a number of county residents who have potability issues with their wells and/or failed or damaged septic systems. These residents are interested in annexation or out-of-city utility service.
- Staff is looking at some initial options to help facilitate the annexation and water/wastewater utility connection process, and will bring these forward to council in the near future. A key issue will be potential costs – both to residents and potentially for city. Many of the unincorporated enclaves and residential properties have city water and sewer utility infrastructure adjacent to their properties, but for those that don't there would be a significant cost to installing the infrastructure.