

MEMORANDUM To: Ben Wade, CWCB Michelle Hatcher From: Earl Smith, City of Evans CC: Date: December 3, 2012 Subject: 50% Progress Report for City of Evans Drought Management Plan

Clear Water Solutions (CWS) is assisting the City of Evans with developing a Drought Management Plan (DMP) in accordance with State regulations following the Guidance Document produced by the Colorado Water Conservation Board. The Guidance Document outlines eight steps in the drought management planning process, of which the City has completed through Step 5.

We have completed two stakeholder meetings, including good discussions during our last meeting of water use priorities, water supply index, and our draft drought stages. We have received valuable input from City staff and have developed a draft memo to distribute to the City Water Board for their input as well. Once we obtain City Water Board input, we will develop our final staged drought response program (Step 6).

We propose a water supply index (WSI) to be used as a trigger for our various drought stages that are attached to this memo. The City has a diverse water supply from several different sources and drainage basins. A drought may affect one portion of their supplies, but not necessarily another portion. For this reason, the City prefers the WSI. This index, which factors in both supply and demand, will be evaluated on an annual basis.

Water Supply Index = Supply/Demand =

CBT Carryover + (CBT Quota * No. of CBT Units) + GLIC System Deliveries + GLIC System CO + GLIC CBT CO + Parked CBT + WG 2 year Demand + CBT Carryover_(Next) + WG Collateral

The inputs for supply are the CBT carryover from last year plus the number of CBT units the City owns multiplied by the current year's CBT quota plus the estimated Greeley Loveland Irrigation Company (GLIC) yield for the current year, storage in the GLIC system and Windy Gap. The inputs for demand are the estimated demand for the next two years plus the estimated carryover for next year plus Windy Gap collateral.

CWS File #12-140

Evans Drought Management Plan 50% progress report December 3, 2012

The four stages of drought are shown in the following table. The first level is a "Sustainable" level, which incorporates the on-going water saving practices by the City and water customers. The trigger for this stage is a WSI over 120%. An example of an on-going measure is working to reduce the water use at the City Parks by conducting irrigation water audits. As already established by the City, mandatory water restrictions are in place April through October.

| Drought Stage | Water Supply Index | |
|---------------|--------------------|--|
| Level 1* | >120% | |
| Level 2* | 90 - 120% | |
| Level 3* | 70 – 89% | |
| Level 4* | < 70% | |

*Final drought level names are yet to be determined

The second stage is a warning level in which the supplies are reduced but still greater than the demand. The trigger for this stage would be a WSI = 90% to 120%. During this stage of drought, the City begins to get in place actions that should be ready to implement should the next stage of drought occur, such as leases with other entities, etc. The City will continue to enforce the existing mandatory water restrictions.

The third level of drought is triggered by a WSI = 70% - 89%. This is a serious stage of drought in which the City will continue to evaluate leasing additional water from farmers and other entities and potential trades of non-potable supplies for treatable water (i.e. CBT). More strict mandatory watering restrictions will be implemented for all water customers. Power washing and spraying of impervious surfaces will be prohibited. The City will consider limiting washing of City fleet vehicles and will reduce frequency of hydrant flushing and use of water for fire training. The City would consider implementing a drought surcharge or rate increase to further encourage water conservation and cover costs.

The last stage of drought is triggered when the WSI is anything less than 70%. This stage is the most serious and the City starts to prohibit outdoor irrigation for all water use customers and allows restricted irrigation of the City's parks and landscaping (i.e. sports complex, City Hall). The City actively pursues leasing water from farmers and other entities and may even consider trucking in water.

To date our budget estimates for each step have been fairly accurate. We are however, a little behind schedule, which we have updated in the following table.

Updated Schedule for Evans DMP

| Task | Date |
|--|---------------------|
| CWCB approves grant and PO issued Kick-off meeting with Stakeholder Committee for Goal | 6/30/2012 |
| Development | 8/10/2012 |
| Submit 25% progress report to CWCB | 9/18/2012 |
| Submit 50% progress report to CWCB | 12/3/2012 |
| Submit 75% progress report to CWCB | 12/31/2012 |
| Submit draft plan to staff for review and comment | 1/30/2013 |
| Staff provides comment from review | 2/6/2013 |
| Submit draft report to City Council for review Present draft report at City Council meeting and collect | 2/13/2013 |
| comments | 2/27/2013 |
| Notify public of draft plan in paper and website | 3/6/2013 |
| Public review period (60 days) | 3/6/2013 - 5/6/2013 |
| City provides public input comments to CWS | 5/7/2013 |
| CWS incorporates public comments | 5/13/2013 |
| City Council formally adopts final report | 5/15/2013 |
| CWS submits final report to CWCB | 5/16/2013 |
| CWCB approves final report | up to 90 days |