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## MEMORANDUM

CWS File #07-240

To: Ben Wade, CWCB

From: Michelle Hatcher

cc: Julie Pasillas, Town of Firestone

Date: September 24, 2018

Subject: 75% Progress Report for Town of Firestone's Installation of Water Efficient Irrigation Controls on Park Irrigation Systems and Residential Irrigation Systems Clock Retrofit Program

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Clear Water Solutions, Inc. is assisting the Town of Firestone (Town) with implementation of the *Installation of Water Efficient Irrigation Controls on Park Irrigation Systems* (New Irrigation Controls) and *Residential Irrigation Systems Clock Retrofit* (Clock Retrofit) programs. After coordinating with Town Staff about the details regarding these two programs, CWS submitted a grant application to CWCB on June 23, 2016. The Town received a purchase order from CWCB for the grant near the middle of August 2016.

### Installation of Water Efficient Irrigation Controls on Park Irrigation Systems

Thus far, the Town has installed iCentral Controllers at the four selected Parks (Firestone Trail near Adams Bank, Town Hall, Onorato Park, and 4<sup>th</sup> & Buchanan Pocket Park). The new controllers were completely installed and functional by early April of 2017. The previous five years of data for these parks as well as the 2017 irrigation season data has been collected and analyzed. Once the irrigation for the parks has concluded, the data from 2018 will be collected and analyzed to determine water savings evident from the installation of the iCentral Controllers.

### Residential Irrigation Systems Clock Retrofit

At the 50% progress point, only 43 of the 50 had been installed. The clocks were inspected by Town Staff near the end of April 2017. The seven remaining clocks were returned from customers that needed clocks with more zones than the Town was offering. Firestone advertised the remaining clocks' availability early in January 2018 and has given away the remaining clocks. 2018 data for the customers that installed clocks will be collected at the end of this month. The data will be analyzed to estimate savings that has occurred from the installation of the clocks.

Following data analysis we will prepare the final program reporting as shown in the schedule below.

*Firestone's New Irrigation Controls and Clock Retrofit Programs*  
*75% Progress Report*  
*September 24, 2018*

**Installation of Water Efficient Irrigation Controls on Park Irrigation Systems**

Task	Date
Grant application submitted to CWCB	6/23/2016
CWCB approves grant and PO issued	8/16/2016
Purchase 4 iCentral Controllers	11/30/2016
Install iCentral Controllers at the selected Parks:	3/2/2017
Verify that iCentral Controllers were installed correctly and are working properly	4/3/2017
Link newly installed iCentral Controllers to existing network of Town iCentral Controllers	4/3/2017
Analyze historical water use for the selected Parks	5/1/2017
Submit 50% progress report to CWCB	10/12/2017
Submit 75% progress report to CWCB	9/24/2018
Complete water use data tracking and analysis	10/15/2018
Complete final report documenting activities and savings	12/1/2018
Presentation to Town Board and final adoption of program	12/12/2018
Submit final report to CWCB	12/26/2018

**Residential Irrigation Systems Clock Retrofit**

Task	Date
Grant application submitted to CWCB	6/23/2016
CWCB approves grant and PO issued	8/16/2016
Town will publicize the Residential Irrigation Systems Clock Retrofit program.	1/2/2017
The Town will evaluate the Retrofit applications to verify that all rules and requirements have been met	3/1/2017
Once an initial response occurs, the Town will estimate how many clocks of each type will be needed	3/1/2017
Clocks will be purchased	11/10/2016
The Town will contact the individual water utilities customers to notify them that the clocks are available; customers will install clocks; inspections will be performed	4/24/2017
Submit 50% progress report to CWCB	10/4/2017
The Town will begin to analyze the historical water use of customers that picked up the clocks	10/4/2017
Submit 75% progress report to CWCB	9/24/2018
Complete water use data tracking and analysis	10/15/2018
Complete final report documenting activities and savings	12/1/2018

*Firestone's New Irrigation Controls and Clock Retrofit Programs*  
*75% Progress Report*  
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Task	Date
Presentation to Town Board and final adoption of program	12/12/2018
Submit final report to CWCB	12/26/2018