

AGENDA ITEM #: _____

DATE: October 24, 2016

COAC #: 16-5911

**CITY OF GOODYEAR
CITY COUNCIL ACTION FORM**

SUBJECT: Adopt Resolution 16-1772 extending temporary suspension of provisions in City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition that impose requirements for installation of reclaimed water improvements	STAFF PRESENTER: Mark Holmes, Water Resources Manager CASE NUMBER: N/A OTHER PRESENTER: N/A
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RECOMMENDATION:

ADOPT RESOLUTION 16-1772 EXTENDING THE TEMPORARY SUSPENSION OF PROVISIONS IN THE CITY OF GOODYEAR ENGINEERING DESIGN STANDARDS AND POLICIES MANUAL 2012 EDITION THAT IMPOSE REQUIREMENTS FOR THE INSTALLATION OF RECLAIMED WATER IMPROVEMENTS; PROVIDING AUTHORIZATION AND DIRECTION TO TAKE ACTIONS NECESSARY TO CARRY OUT INTENT OF RESOLUTION; PROVIDING FOR THE TERMINATION OF SUSPENSION; AND PROVIDING FOR AN EFFECTIVE DATE.

PURPOSE:

This action would extend the temporary suspension and application of all provisions in the City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition that impose requirements for the installation of reclaimed water improvements unless the City is a party to a contract in which the City has contractually obligated itself to deliver reclaimed water that Council previously approved before March 31, 2014 by Resolution 14-1607. The extension will allow time for City staff to review and revise the City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition. These standards are currently being reviewed and projected to be ready for Council consideration in the third quarter of calendar year 2017.

BACKGROUND AND PREVIOUS ACTIONS:

On December 9, 2013, a presentation was made to Mayor and Council during a scheduled worksession to discuss the City's position concerning the future expansion of the City's reclaimed water system. During this meeting staff made the case that moving away from the continued expansion of the City's reclaimed water system and recharging as much reclaimed water as possible maximizes the sustainability of the water supplies needed to support the City's water demands. Specifically,

1. Reclaimed water can be recharged and stored underground as part of the City's long term storage credit bank account and used in the future, when needed, through recovery through indirect potable reuse.
2. Reclaimed water within the City's long term storage credit bank account can be used to legally convert the groundwater molecules of water pumped through the City's existing groundwater wells into reclaimed water molecules thus it is not considered groundwater. Therefore, only one infrastructure is needed to deliver this water supply versus a costly tertiary purple pipe infrastructure system.

3. Reclaimed water indirectly recovered (pumped) through the City's existing groundwater wells is potable and will be served at potable water prices and therefore consumed in the most conservative manner.
4. The reclaimed water that is being recharged and stored underground is a better quality in most instances than the groundwater and thus improves the aquifer water quality.
5. Storing reclaimed water underground to the maximum extent possible (like a bank savings account) ensures that the City is properly planning for future surface water shortages and will have economic security by being close to or drought proof.
6. The potable water system and all of its customers are subject to curtailment requirements whereas a direct delivered reclaimed water systems must continue to deliver the reclaimed water as part of the reclaimed water reclamation plant disposal plan and therefore does not treat everyone consistently or fairly within the service area.

Council's direction was to move forward with recommended revisions to existing City ordinances, rules, standards, and/or policies that will allow the City to recharge as much reclaimed water as possible while still allowing the City to meet any existing contractual obligations related to the provision of reclaimed water and to allow the City the flexibility to provide reclaimed water as may be needed to support future commercial and industrial development.

PREVIOUS ACTIONS AND DISCUSSION:

1. Water Resources Update - Worksession October 2012
 - a. Recharge, aquifer storage, and indirect potable reuse
 - b. Long term storage credit account
2. Two year reactivation of the Soil Aquifer Treatment (SAT) site - Worksession
3. Vadose Zone Injection Well Project - Worksession
4. Council Worksession - Direct deliveries of reclaimed water versus aquifer recharge, storage, and recover - December 2013
5. Adopted Resolution 14-1607 – Temporarily suspending provisions in the City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition that impose requirements for the installation of reclaimed water improvements to October 31, 2014.
6. Adopted Resolution 14-1671 – Two year extension of temporary suspension of provisions in the City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition that imposed requirements for the installation of reclaimed water improvements to October 31, 2016.
7. August 18, 2015 – The Arizona Department of Water Resources issues the City of Goodyear an Underground Storage Facility (USF) permit for storing reclaimed water underground via the Vadose Zone Injection Wells.
8. July 14, 2016 – Vadose Zone Injection Well Project construction kick-off
9. December 2016 – the Vadose Zone Injection Well Project is estimated to be substantially completed.

STAFF ANALYSIS:

Resolution 14-1607 was extended by Resolution 14-1671 and will expire on October 31, 2016. The updated Integrated Water Master Plan will be presented to the City Council after October

and the Engineering Department is embarking on updating the Engineering Design Standards and Policies Manual 2012 Edition. However, applications for commercial and residential developments are continuing to be submitted to the City. Under the City's existing regulations, these developments are required to design and install reclaimed water lines. Because of the change in the City's policies concerning reclaimed water, reclaimed water may not be delivered to these properties, the council adopted Resolutions 14-1607 and 14-1671, which temporarily suspended the application of all provisions in the City of Goodyear Engineering Design Standards and Policies Manual 2012 Edition that impose requirements for the installation of reclaimed water improvements unless the City is a party to a contract in which the City has contractually obligated itself to deliver reclaimed water, also known as effluent, in which case, the developers and/or owners of the properties that are to receive the reclaimed water shall comply with the requirements of the Engineering Design Standards and Policies Manual 2012 Edition related to reclaimed water. Due to Resolution 14-1671 expiring on October 31, 2016 and that the Integrated Water Master Plan will not be presented to Council before the end of October and because the Engineering Department is embarking on the update to the Engineering Design Standards and Policies Manual 2012 Edition, staff is seeking an extension of the temporary suspension adopted by Resolution 14-1671.

FISCAL ANALYSIS:

No Fiscal Impact

ATTACHMENTS:

Resolution 16-1772