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Attachments: 1. Water Master Plan

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8/24/2023	1	Planning Commission		

Public Hearing: Appl. #PL2023-202 - Comprehensive Plan Amendment - Water Master Plan; City of Lee's Summit, applicant

Issue/Request:

The Water Utilities Department has been working for the past year with Burns & McDonnell Engineering, Inc on the creation of an updated Water Master Plan. The previous Water Master Plan was completed in 2006 and had a planning period of two (2) ten-year windows. Changes in development trends, collection of additional data, and the completion of infrastructure projects have had an impact on the existing water system and necessitated the need for an updated Wastewater Master Plan.

The Water Master Plan provides historical information on the existing system, identifies rehabilitation needs of the existing infrastructure, provides design criteria for future system expansion, and provides the framework for maintaining the system reliability as future growth occurs. The plan has a planning period of 20 years, in two (2) ten-year phases. The plan also contains a long term look at water capacity and planning for obtaining addition capacity.

The document utilized the City of Lee's Summit's Ignite! Comprehensive Plan, incorporating the development and redevelopment projected for the document's planning period. The Water Master Plan incorporates the primary elements of a Master Plan, including an inventory of the existing system, analysis of system performance under current conditions, recommendations for the design criteria for future growth, projections of future growth based upon the Lee's Summit Ignite! Comprehensive Plan, and recommendations for system improvements to address asset management and future growth.

Jeff Thorn, P.E., Deputy Director