

**ROCHELLE CITY COUNCIL
AGENDA ITEM MEMO
REGULAR MEETING**

SUBJECT: Designate Parcel 25-17-100-010 for Drilling and Developing of Well 13.

Staff Contact: Adam Lanning

Summary: The City of Rochelle currently owns and operates five wells and when all are in commission, they have the capability to pump 9.6 million gallons of water per day. Our max peak consumption is 4.5 million gallons per day. EPA guidelines require that with the largest pump offline, a city would be able to meet their peak demand. Currently, our largest pump, located at Well 8, is offline as we build an iron filtration plant at that site. If another well pump or equipment experienced a failure requiring a well to go offline, we would narrowly meet our max peak demand. To confidently meet this demand, increase redundancy, and relieve other well pumps and equipment, it is in the City of Rochelle’s best interest to drill an additional well. The location of Parcel 25-17-100-010 would allow future development on the north-east side of Rochelle and mitigate pressure issues from dead-end water mains in the area. This 2-acre parcel is currently owned by the City and has been sitting vacant for approximately 15 years. Once the well has been drilled and developed, we would commence with building a well house. Based on previous research conducted by Illinois State University, we think that this location and the combination of active aquifers we will avoid future radium problems. The well house will be constructed with the capability to add a radium removal filter if the problem ever did arise.

Funding Sources:

Source:	Budgeted Amount:	Proposed Expenditure:
		N/A

Strategic Plan Goal Application:

Recommendation: Approve a resolution designating City of Rochelle owned Parcel 25-17-100-010 as the location to drill Well 13