



Non-Diversion Solution

Where will Waukesha get its water?

Waukesha is able to supply its residents now and into the future with safe, clean water by blending deep- and shallow-aquifer water from seven existing deep groundwater wells and three existing shallow groundwater wells. No additional wells are needed.

How will the deep aquifer water be treated?

Waukesha will need to add reverse osmosis technology to three existing deep groundwater wells. Water from Waukesha's shallow groundwater wells does not need radium treatment.

How much will adding reverse osmosis technology to three existing deep groundwater wells cost over time?

Present Worth of Capital	\$87,718,000
Present Worth of Operation & Maintenance in 20 years (6%)	\$63,069,000
Total Present Worth in 20 years (6%)	\$150,787,000
Present Worth of Operation & Maintenance in 50 years (6%,)	\$85,866,000
Total Present Worth in 50 years (6%)	\$173,584,000

This will save Waukesha residents over \$120 million in capital costs upfront and an additional \$30 million over the course of 50 years compared to the Great Lakes diversion.

How long will this solution last?

The Non-Diversion Solution accounts for water demand from the full build out of the City of Waukesha, or the point at which all developable land is developed, to at least the year 2050. This year was used based on the timeframe Waukesha used in its application for how Great Lakes water would be used until 2050.

Will there be negative environmental impacts?

The Non-Diversion Solution requires no additional wells, which means there is no environmental impact to surrounding wetlands, surface waters or the deep groundwater aquifer.