

## Future Estimated Water Usage Crossville, Tennessee

Growth Scenario	Estimated Daily Usage (20 years)	Estimated Daily Usage (50 years)
Moderate	8.06 MGD	10.98 MGD
High	9.19 MGD	12.05 MGD

## Current Reservoir Safe Yields and WTP Capacities Crossville, Tennessee

Reservoir	Estimated Firm Yield	Current WTP Capacity	Unrealized Capacity
Holiday Lake	5.34 MGD	4.00 MGD	1.34 MGD
Meadowpark Lake	4.08 MGD with Tansi Transfer	3.50 MGD	0.58 MGD
Total	9.42 MGD	7.50 MGD	1.92 MGD

## Reasonable Options for Future Raw Water Capacity Crossville, Tennessee

- Increase Holiday Lake WTP Capacity to match existing firm yield estimate.
- Transfer 1.34 MGD of excess firm yield from Holiday Lake to Meadowpark Lake and expand capacity of Meadowpark Lake WTP capacity.
- Raise Meadowpark Lake Dam to increase storage from water harvested from Holiday Lake.
- Harvest Water from Caney Fork River (Meadowpark Dam must be raised first).