

Minersville Town Water Master Plan:
Summary of Findings and Recommendations
May 17, 2019

CULINARY WATER CONNECTIONS

- 406 Connections (Current) - 362 Residential; 6 Commercial, 8 Institutional, and 30 Ag.
- Equivalent Residential Connection's (Current) ~542
- 20 Year projected ERC ~ 729

WATER RIGHT

- Total Water Right = 1151.13 ac.-ft. or 1.59 cfs (~713 gpm)
- 20 Year Projected Water Right Required = 505.62 ac.-ft. (Surplus of 645.51 ac.-ft.)
- Recommendations: Modify water right limits to allow for flow patterns during the year.

SOURCE

- Current Water Source Capacity = 600 gpm
 - Springs ~200 gpm (winter), ~400 gpm (summer)
 - Well ~ 400 gpm
- 20 Year Projected Water Source Capacity Required = 770.15 gpm (*Deficit* of 170.15 gpm)
- Recommendations: Spring & Chlorinator Upgrades/Improvements
 - Start considering property for future well

STORAGE

- Current Water Storage = 980,000 gal
- 20 Year Projection Water Storage Required = 743,886 gal (Surplus of 236,114 gal)

DISTRIBUTION SYSTEM

- Pressures are good
- Available fire flow is generally good throughout system, except near school
 - 20-Year projected available fire flow by school ~800 gpm
- Recommendations:
 - Relocate PRV, replace cast iron lines, upgrade line to school.
 - Improves available fire flow at school to ~2,800 gpm

RECOMMENDED IMPROVEMENTS

- Immediate: \$635,919
 - Spring & chlorinator upgrades, replace cast iron pipe, upgrade line to school, relocate PRV station
- Future: Consideration of an additional culinary well.

RECOMMENDED FUNDING OPTION

- CIB: (next deadline will be September 30th; funding authorized in Feb 2020)
 - 20-year loan at 2.5% with a 50/50 loan/grant split
 - MAGI ~\$44,089; 1.75% ~\$64/mo avg rate for grant eligibility