

AQUA Engineering

Town of Johnstown Water Treatment Facility Expansion and Upgrades - Fee Summary and Options. 2-5-21

Design Element	Fee
<b>Filtration Capacity Expansion Options</b>	
1 - Conventional Mixed Media Filters w/New Filter Building	<b>\$720,123</b>
2 - Pressure Membranes w/New Filter Building	
4 - Ceramic Membranes, w/New Filter Building	
<i>--OR--</i>	
3 - Submerged Membranes with Retrofit of Existing Filter Building	<b>\$537,912</b>
<b>Taste and Odor Control Options</b>	
A - Ozone w/New Concrete Contactors and Building	<b>\$308,910</b>
<i>--OR--</i>	
B - UV/AOP w/New Building	<b>\$278,019</b>
C - Optional GAC Polishing Filter, Retrofit Existing Filters	<b>\$200,000</b>

**Notes and Clarifications:**

1. Total Fee will be the sum of one of the selected Filtration Options and one of the T&O Options. Proposed fees are based on our understanding of the Town's intent to construct improvements quickly to meet increased demands and address water quality (T&O)
2. Filtration Options include preliminary engineering services for identifying T&O alternatives and can be reduced to accommodate the Town's budget and direction on the complete scope of work to be included in the Project.
3. Raw and finished (distribution) water pump station and pipeline designs are not currently included and will be defined and budgeted upon the Town's selection of its preferred scope.
3. Lonetree Raw Water PS and pipeline and East DS PS designs are not currently included and will be defined and budgeted upon the Town's selection of its preferred scope.



