

Table with columns for Station Name, Install Date, Building Type, Assessment Dates, Overall Condition Assessment Scores (1-5), PoF, Other Issues, Safety/Security/Access, CoF, Risk Multiplier, Redundancy, Overall Redundancy/Criticality, Overall Ranking Business Risk Exposure (PoF*CoF*Multiplier), and Mechanical Detailed Condition Assessment for 6 Pumping Units.

A/G Pre-Fab Large
45 Years Vault
1 New, Excellent
2 Minor wear, Normal PM
3 Moderate Wear, minor parts needs repair/replace/rehab
4 Significant Deterioration, Major Units needs repair/rehab
5 Unserviceable; needs replaced

1 New, Excellent
2 Minor Corrosion, <10% Localized Areas, or Initial Failure modes
3 Moderate Corrosion, <33% Widespread
4 Significant Corrosion, >50%, Start of metal loss
5 Failed; Metal Loss

No Issue
Immediate
Next Rehab
1= <1MGD
2= 1-5MGD
3= 5-10MGD
4= 10-15MGD
5= >15MGD

WQ-Only
Emergency/Fire-Only
Redundant/Twin/Table Top
Primary/Major
Single Source
1 High Priority/No Redundancy
0.5 Medium Priority/Partial Redundancy
0.1 Low Priority/Full Redundancy Elsewhere

1 New, Excellent
2 Minor wear, Normal PM
3 Moderate Wear, minor parts needs repair/replace/rehab
4 Significant Deterioration, Major Units needs repair/rehab
5 Unserviceable; needs replaced

Pumping Unit = Pump, Motor, VFD/Soft Start, Check Valve/Pump Control Valve

Ranking: PoF 1st, then by overall BRE

Master Meter (MM)	Original Install Date	Building Type	Biennial Geographic Zone	Anticipated Project Years								Overall Condition Assessment Scores (1-5; 1=New)														PoF	Other Issue	CoF	Rak Multiplier	Mechanical Detailed Condition Assessment																	
				-10 Year Inspection Date	Biennial Inspection Year	-20 Year Inspection Date	Biennial Inspection Year	-30 Year Inspection Date	Biennial Inspection Year	Minor Rehab Date	Actual	Major Rehab Date	Actual	End of Service Life / Replacement Date	Overall Residual Life Remaining	8%	10%	35%	5%	20%	10%	5%	5%	2%	Safety Issues					Security Issues	Access Issues	Total Capacity (Inch)	Consequence of Failure Factor	Redundancy / Criticality / Priority	Redundancy / Criticality / Priority Multiplier	Overall Redundancy/Criticality / Priority (CoF*Multiplier)	Overall Ranking Business Risk Exposure (Lowest=Best) PoF*CoF*Multiplier	Metering Unit 1				Metering Unit 2				Overall Mechanical Condition Assessment Score	
																																						Performance (1-5, 1=Best)	Reliability (1-5, 1=Best)	Condition (1-5; 1= New, 5=Unserviceable)	Score	Performance (1-5, 1=Best)	Reliability (1-5, 1=Best)	Condition (1-5; 1= New, 5=Unserviceable)	Score		
NS Long Run Park MM (current project to replace 2020)	1985	Concrete Vault	East	1995	#N/A	2005	#N/A	2015	#N/A	2000	2015	2045	24	4	4	3	3	4	4	4	0	4	4	3.58	No Issue	No Issue	No Issue	4.24	2	Primary/Major	0.75	1.5	5.37	3	3	3	3	3	3	3	3	3	3	3	3		
WS Clark Station MM (current project to replace 2021)	2002	Concrete Vault	East	2012	#N/A	2022	2021	2032	2027	2017	2032	2062	41	3	4	3	3	4	4	0	4	4	3.49	No Issue	No Issue	No Issue	4.24	2	Redundant/Twin	0.5	1	3.49	3	3	3	3	3	3	3	3	3	3	3				
NN Browningtown MM	2001	Concrete Vault	South	2011	#N/A	2021	#N/A	2031	2029	2016	2031	2061	40	3	3	3	3	3	3	0	3	3	3.00	No Issue	No Issue	No Issue	5.66	2	Primary/Major	0.75	1.5	4.50	3	3	3	3	3	3	3	3	3	3	3				
Taylorville Waterworks Old																																															
Headly MM	2006	Concrete Vault	East	2016	#N/A	2026	2021	2036	2033	2021	2036	2066	45	2	2	3	2	0	0	0	3	0	2.63	No Issue	Next Rehab	Next Rehab	5.66	2	Primary/Major	0.75	1.5	3.95	3	3	3	3											
NN Hwy 245 MM	2012	Concrete Vault	South	2022	#N/A	2032	2029	2042	2041	2027	2042	2072	51	3	2	2	2	2	2	3	3	3	2.20	No Issue	No Issue	Unserviceable	5.66	2	Primary/Major	0.75	1.5	3.30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
LJ Collings Hill MM	2012	Concrete Vault	South	2022	#N/A	2032	2029	2042	2041	2027	2042	2072	51	2	2	2	2	2	2	2	2	2	2.00	No Issue	No Issue	No Issue	4.00	1	Single Source	0	0	0.00	2	2	2	2											
LJ Old Boston MM	2014	Concrete Vault	South	2024	2023	2034	2029	2044	2041	2029	2044	2074	53	2	2	2	2	2	2	2	2	2	2.00	No Issue	No Issue	No Issue	4.24	2	Redundant/Twin	0.5	1	2.00	2	2	2	2	2	2	2	2	2	2	2				
Taylorville Hwy 155 MM	2012	Steel Vault	East	2022	2021	2032	2027	2042	2039	2027	2042	2057	36	2	1	2	2	2	2	2	2	2	1.90	No Issue	No Issue	No Issue	8.49	3	Primary/Major	0.75	2.25	4.28	2	2	2	2	2	2	2	2	2	2	2				
Ft. Knox MM	2014	Concrete Vault	South	2024	2023	2034	2029	2044	2041	2029	2044	2074	53	2	2	1	2	2	2	0	2	2	1.63	No Issue	No Issue	No Issue	3.06	1	Primary/Major	0.75	0.75	1.22	1	1	1	1	1	1	1	1	1	1	1	1			
Mt. Washington Bardstown MM	2015	Steel Vault	Central	2025	2025	2035	2031	2045	2043	2030	2045	2060	39	1	1	1	1	1	1	1	1	2	1.05	No Issue	No Issue	No Issue	11.31	4	Emergency/Fire-Only	0.25	1	1.05	1	1	1	1	1	1	1	1	1	1	1	1			
HCWD 2 Battle Training MM	2014	Building	South	2024	2023	2034	2029	2044	2041	2029	2044	2074	53	1	1	1	1	1	1	1	1	2	1.02	No Issue	No Issue	No Issue	14.14	5	Primary/Major	0.75	3.75	3.83	1	1	1	1	1	1	1	1	1	1	1	1			
HCWD 1 West Point MM	2015	Steel Vault	South	2025	2023	2035	2035	2045	2041	2030	2045	2060	39	1	1	1	1	1	1	1	1	2	1.02	No Issue	No Issue	No Issue	7.21	3	Primary/Major	0.75	2.25	2.30	1	1	1	1	1	1	1	1	1	1	1	1			
Shelbyville Old Finchville MM	2019	Steel Vault	East	2029	2027	2039	2039	2049	2045	2034	2049	2064	43	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	11.31	4	Primary/Major	0.75	3	3.00	1	1	1	1	1	1	1	1	1	1	1	1			
LJ Pine Tavern MM	2018	Concrete Vault	South	2028	2023	2038	2035	2048	2047	2033	2048	2078	57	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	8.49	3	Primary/Major	0.75	2.25	2.25	1	1	1	1	1	1	1	1	1	1	1	1			
LJ Main Street MM	2016	Steel Vault	East	2026	2023	2036	2035	2046	2041	2031	2046	2061	40	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	8.25	3	Primary/Major	0.75	2.25	2.25	1	1	1	1	1	1	1	1	1	1	1				
WS Buck Creek MM	2019	Steel Vault	South	2029	2027	2039	2039	2049	2045	2034	2049	2064	43	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	8.49	3	Primary/Major	0.75	2.25	2.25	1	1	1	1	1	1	1	1	1	1	1				
NS Aiken MM	2017	Steel Vault	East	2027	2027	2037	2033	2047	2045	2032	2047	2062	41	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	5.66	2	Primary/Major	0.75	1.5	1.50	1	1	1	1	1	1	1	1	1	1	1				
Taylorville Bardstown MM	2019	Steel Vault	East	2029	2027	2039	2039	2049	2045	2034	2049	2064	43	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	5.66	2	Primary/Major	0.75	1.5	1.50	1	1	1	1	1	1	1	1	1	1	1				
WS Shelbyville Rd/Hwy 60 MM	2017	Steel Vault	East	2027	2027	2037	2033	2047	2045	2032	2047	2062	41	1	1	1	1	1	1	1	1	1	1.00	No Issue	No Issue	No Issue	5.66	2	Redundant/Twin	0.5	1	1.00	1	1	1	1	1	1	1	1	1	1	1	1			
Mt. Washington Hwy 44 MM	2016	Concrete Vault	South	2026	2023	2036	2035	2046	2041	2031	2046	2076	55	1	1	0	1	0	0	0	1	0	1.00	No Issue	No Issue	No Issue	4.00	1	Single Source	0	0	0.00															

Concrete Vault East 2021 2023 2019
 Steel Vault South 2027 2029 2025
 Building Central 2033 2035 2031
 2039 2041 2037
 2045 2047 2043
 2051 2053 2049
 2057 2059 2055
 2063 2065 2061

45 Years Vault
 60 Years Bldg

1 New, Excellent
 2 Minor wear, Normal PM
 3 Moderate Wear; minor parts needs repair/replace/rehab
 4 Significant Deterioration, Major Units needs repair/rehab
 5 Unserviceable; needs replaced
 0 N/A

Coatings
 1 New, Excellent

No Issue
 Immediate
 Next Rehab

1= 1-3inch
 2= 4-6inch
 3= 7-9inch
 4=10-12inch
 5=>12inch

Calculate as equivalent pipe size (e.g.

WQ-Only
 Emergency/Fire-Only
 Redundant/Twin
 Primary/Major
 Single Source

1 High Priority/No Redundancy
 0.5 Medium Priority/Partial Redundancy
 0.1 Low Priority/Full Redundancy Elsewhere

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