WPCA BOND REQUEST

SUMMARY FOR ALL 3 PLANTS AND PUMP STATIONS

| | YEAR 1 | YEAR 2 | YEAR 3 | YEAR4 | YEAR 5 | Totals |
|---|-------------|-------------------------------------|-------------|-------------|-----------|-------------------------------|
| | | | | | | - |
| Pawcatuck Treatment Facility | \$1,831,000 | \$160,000 | \$188,000 | \$205,000 | \$85,000 | \$2,469,000 |
| | | | | | | \$0 |
| Borough Treatment facility | \$597,500 | \$229,000 | \$95,000 | \$325,000 | \$300,000 | \$1,546,500 |
| | | | | | | |
| Mystic Treatment Facility | \$595,000 | \$15,000 | \$925,000 | \$552,500 | \$250,000 | \$2,337,500 |
| | | | | | | |
| Pump Stations | \$596,000 | \$526,750 | \$581,750 | \$433,750 | \$213,750 | \$2,352,000 |
| | | | | | | |
| Engineering Costs | \$150,000 | \$125,000 | \$150,000 | \$150,000 | \$0 | \$575,000 |
| | | | | | | |
| Facility Report Upgrade - original plan in 2007 | | | \$360,000 | \$360,000 | | \$720,000 |
| recommended review and update every 10 years | | | | | | |
| | \$3,769,500 | \$3,769,500 \$1,055,750 \$2,299,750 | \$2,299,750 | \$2,026,250 | \$848,750 | \$848,750 \$10,000,000 |
| | | | | | | |

Pump Station CIP Year

| Pump Station Totals per Year | trailer mounted vac | replacement of camera/jetter | replacement pillillators | Renlacement Diminutors | By-pass valves for each station | By-pass Pump | North Mystic PS | Lindberg Rd PS | Cutter Dr. PS | Hewitt Rd PS | Shawondassee PS | Pawtucket Ave. | Quarry Path | Boulder | Walcott Ave. | Mechanic Street PS#1 | White Rock PS | Maritime PS | Spellman Drive PS#2 | Extrusion Drive | River Road PS#3 | Diving Street | Station | Pump Station CIP Year |
|------------------------------|---------------------|------------------------------|--------------------------|------------------------|---------------------------------|--------------|-----------------|----------------|---------------|--------------|-----------------|----------------|-------------|---------|--------------|----------------------|---------------|-------------|---------------------|-----------------|-----------------|---|---------|------------------------------|
| 596,000 | | | | | | | | | | | | | | | | | | 175,000 | 108,000 | 88,000 | 225,000 | \$0 | YEAR 1 | |
| 526,750 | | | 000,04 | 45 000 | 113,750 | | | | | 56,000 | | | 98,000 | 78,000 | 78,000 | 58,000 | | | | | | | YEAR 2 | |
| 581,750 | | 175,000 | 45,000 | 72 UUU | 113,750 | 85,000 | | | | | | 55,000 | | | | | 108,000 | | | | | | YEAR 3 | C |
| 433,750 | 165,000 | | | | 113,750 | | 55,000 | 55,000 | | | 45,000 | | | | | | | | | | | | YEAR4 | COSTS |
| 213,750 | | | 45,000 | 45 000 | 113,750 | | | | 55,000 | | | | | | | | | | | | | | YEAR 5 | |
| 2,352,000 | 165,000 | 175,000 | T35,UUU | 125 000 | 455,000 | 85,000 | 55,000 | 55,000 | 55,000 | 56,000 | 45,000 | 55,000 | 98,000 | 78,000 | 78,000 | 58,000 | 108,000 | 175,000 | 108,000 | 88,000 | 225,000 | \$0 F | Totals | |
| | | | | | | | | | | | | | | | | | | | | | | \$0 Project was completed with remaining 2010 bond proceeds | | |

2020 Pawcatuck WWTF- CIP

COSTS

| ZUZU Fawcatuck | CICK AA AA III CII | | | - : : | 1 | 1177 | VE A D 2 | VE A B A | VEAR A |
|----------------|-------------------------|------|---|---|-----------|-------------|-----------|-----------|---------|
| Area | Asset | Age | Type / Disposition | Recommendation | TEARL | I EAN 2 | 2 | 1515 | |
| Main Building | | 1008 | Rijhherized / Some eakage | Consider Repairs Consider Repairs | \$85,000 | | | | |
| | A/C | | Original / Fair Condition | Consider Replacement | 45,000 | | | | |
| | Emergency Generator | | Diesel / 518 Hrs. / Good Condition | | | | | | |
| | Transfer Switch | | Good Condition | | | | | | |
| | Lighting | | Good Condition |) | | | | | |
| | Odor Control System | | Fair Condition / Structural Inegrity Unknown | Consider Upgrade | | | | | |
| | Septic Receiving Area | | Poor Condition / No screening or Flow Meter | Consider Ungrade | | | | | |
| | Sludge Loading Area | | Good Condition / No Flow Meter | Consider New Pump on Hand | \$30,000 | | | | |
| | Sludge Truck Pumps | | Pump Repairs Often | Consider New Pump on Hand | \$45,000 | | | | |
| | Sludge Feed Pumps | | Pump Repairs Orten | Consider Upgrading | \$75,000 | | | | |
| | Sludge Conditioner | | Original / Fair Condition | Consider Upgrading | \$75,000 | | | | |
| | Rotating Drum Inickener | 1074 | Original / Fair Condition | Consider Upgrading | \$90,000 | | | | |
| | RAS Pumps | 1974 | Original / Fair Condition | Consider Upgrading | \$90,000 | | | | |
| | NA Lamba | 2013 | Good Condition | Consider New Neuros for 3rd position | | | | | |
| | Service Water System | 1974 | Original / Very Poor Condition | Consider Replacement Skid System | | | \$125,000 | | |
| | Chlorine Service Water | 1974 | Original / Fair Condition / Leaks | Consider Upgrading | \$125,000 | | | | |
| | Chlorine Tank Room | 1997 | Using UV / Remove Chloine Tank / Use 55 gal. drums | Consider Upgrading | | | | | |
| | SCADA | 2019 | New Condition | | | | | | |
| Garage | | | | | | | | | ¢oc oon |
| 9 | Roof | 1974 | Tin/Original/Leaks/Gutters Falling / Poor Condition | Consider Replacement | | | | | 000,000 |
| | | | | | | | | | |
| Digesters | ROOT. | 2013 | Rubberized | | \$85,000 | | | | |
| | Boiler | 1994 | Oil Fired / Fair Condition / Serviced Annually | Consider Replacement | | - | | | |
| | Stairwell | 1974 | | Close off/ Repair /Replace | \$12,000 | engineering | | | |
| | | | | | | | | | |
| Grounds | | | | Repair or recurface | | | | \$50,000 | |
| | Pavement | 1974 | | Consider automated gate | | | | | |
| | Fence / Gate | 19/4 | | Consider Above-Ground Con-Vault | | | | | |
| | In-Ground Oil Tank | 19/4 | _ | Replace Media, Piping & Pump | \$75,000 | | | | |
| | Bio-Filter | 2009 | _ | Replace Piping & Select Hydrants | | | \$38,000 | | |
| | Hydrants | 107/ | | Consider Replacement w/ LED Lights | \$27,000 | | | | |
| | Chemical Out Building | 2000 | Unused / Residual Chemical in Containment System | Remove Tank & Containment System | | | | | |
| | Security Cameras | None | | Consider Installation | \$15,000 | | | | |
| | | | | | | | | | |
| Vehicles | | 2001 | | Consider Upgrade w/Camera or Vac | | | | | |
| | Jet Iruck | 2002 | 13,000 IIII. / II dex- 000d / set ofsetti i an | | | | | \$125,000 | |
| | Camera Iraller | | for use in cleaning collection system | | | \$80,000 | | | |
| | Vactor Iralier | | 101 ase III cleaning concernon system | | | | | | |
| Primary Area | Drimary Tanks | 1997 | Chain, Rails, Flights has been Inspected 2019 | Will need Infrastucture Replaced 10-15 yrs. | \$275,000 | | | | |
| | Primary Drives | 1997 | | | | | | | |
| | Primary Pumps | 1997 | | Consider Replacement | | | | | |
| | Scum Tank | 1974 | Fair Condition | | | | | | |

| | | | U-V Area | | | | | | | | Secondary Area | | | | | | | Aeration Area | | |
|---|--------------------------------------|----------------------------|----------|--|-----------------------------------|---------------------|--------------------------------|--------------------------------|-----------------------------------|--|----------------|-----------------------|---------------------|---|---------------------------|----------------------|-----------------------------|---------------|---------------------|-----------------------------------|
| | U-V Parts | Building or Cover | | Scum Troughs | Scum Pumps | Scum Tank | Spray Bars | Telescopic Valve | Secondary Drives | Secondary Tanks | | Ammonia Propes | Nitrogen Probes | D.O. Probes | Valves | Diffusers | Aeration Tanks | | Scum Troughs | Scum Pumps |
| | _ | | | 1974 | 1997 | 1974 | 1997 | 1974 | 1997 | 1974 | | | 2012 | 2012 | 2004 | 2004 | 1974 | | 1974 | 1997 |
| | Keep Replacement Parts On-Hand | No Building or Cover | | 1974 Repaired 2019 | 1997 Poor Condition | 1974 Fair Condition | 1997 Poor Condition | 1974 Non-Functional | 1997 1 new gearbox installed 2019 | 1974 Inspected and Repaired 2019 /requires total replacement | | No Ammonia Probes | 2012 Good Condition | 2012 Good Condition | 2004 Poor Condition | Need to be Inspected | 1974 Need to be Inspected | | 1974 Poor Condition | 1997 Poor Condition |
| Totals by Line | \$10K Annually (\$30K Project Total) | Consider Building w/Gantry | | Will need Infrastucture Replaced 5-10 yrs. | Consider Replacement & Automation | | Consider Repair or Replacement | Consider Repair or Replacement | | clarifier rebuild - urgent | | Consider Installation | Serviced Annually | Consider Most Open Valve Theory (SCADA) | Consider Automated Valves | | | | Consider Upgrade | Consider Replacement & Automation |
| \$1,831,000.00 | | \$30,000 | | | \$65,000 | | | | | \$450,000 | | \$17,000 | | | \$85,000 | \$35,000 | | | | |
| \$1,831,000.00 \$160,000.00 \$188,000.00 \$205,000.00 | | | | | | | | | | | | | | | | | | | \$35,000 | \$45,000 |
| .88,000.000 \$ | | | | | | | 25.000 | | | | | | | | | | | | | |
| 205,000.00 | | | | | | | 100,000 | \$30,000 | | | | | | | | | | | | |
| \$85,000.00 | | | | | | | | | | | | | | | | | | | | |

\$1,831,000.00 \$160,000.00 \$188,000.00 \$205,000.00 Totals

0 \$85,000.00 \$2,469,000.00

| YEAR 3 0 \$925,000 | 2020 Mystic WWTF- CIP | WWTF- CIP | | | | | | COSTS | | |
|--|-----------------------|-------------------------|------|---|--|-----------|--------|-----------|-----------|-----------|
| | Area | Asset | Age | Type / Disposition | Recommendation | YEAR 1 | YEAR 2 | YEAR 3 | YEAR4 | YEAR 5 |
| Influent Pumps 1992 Incide palecement now Incident Pumps Study on going presently/if grant funds unavailing incident page of the page of | Mystic Sewer Shed | | | I&I - Inflow Infiltration Study | actual rehab work | \$0 | \$0 | \$925,000 | \$552,500 | \$250,000 |
| Influent Pumps 1992 Beed replacement low Implacement Roof of Condition 1994 Old Freed Refundabled 2015 / Good Condition Service Tech to Assess in October Boiler 2015 Good Condition Service Tech to Assess in October Inantier Switch 2015 Good Condition Studge Incide Refundable Studge Teach Pumps 2015 Good Condition Studge Teach Pumps Studge Teach Pumps 2015 Good Condition Studge Teach Pumps Studge Teach Pumps 2015 Good Condition Studge Teach Pumps Studge Teach Pumps 2015 Remark Valley Good Condition Image: Condition Record Studge Teach Pumps Good Condition Recordation Pumps 2015 Remark Valley Good Condition Record Studge Teach Pumps Good Condition Image: Condition Record Studge Teach Pumps Good Condition Recordation Pumps 2015 Remark Valley Good Condition Good Condition Image: Condition Record Teach Pumps Good Condition Good Condition Study Pumps 2015 Remark Valley Good Condition Good Condition Image: Condition Record Teach Pumps Good Condition Study Pumps 2015 Int / Good Condition Condition Good Condition Study Pumps 2015 Good Condition Replacement Studge Teach Pumps Good Condition | | | | | Study on-going presently/if grant funds unavailb | | | | | |
| Roof 1995 Carbonized / Social Condition Service Tech to Assess in October Particle Select 1995 Carbonized / 1995 | Main Building | Influent Pumps | | need replacement now | replace | \$150,000 | | | | |
| Boiler | | Roof | | Rubberized / Good Condition | | | | | | |
| Intensifer switch 2015 Good Condition Condition Lighting Area 2015 Good Condition Condition Studge Track Pumps 2015 Good Condition Good Condition Studge Track Pumps 2015 Good Condition Good Condition Studge Track Pumps 2015 Good Condition Good Condition Primary Pumps 2015 Jenn's Allery Good Condition Primary Pumps Primary Pumps 2015 Jenn's Allery Good Condition Primary Pumps Recirculation Pumps 2015 Jenn's Allery Good Condition Primary Pumps Recirculation Pumps 2015 Jenn's Allery Good Condition Pump Pumps Recirculation Pumps 2015 Jenn's Condition Available Condition Recirculation Pumps 2015 Jenet Condition Liver Condition Condition Recirculation Pumps 2015 Jenet Condition Liver Condition Condition Recirculation Pumps 2015 Jenet Condition Liver Condition Condition Recirculation Pumps 2015 Jenet Condition Replacement Skid System Recirculation Pump Pump System School Condition 2015 Jenet Condition Recirculation Pump System | | Boiler | 1994 | Oil Fired / Refurbished 2015 / Good Condition | h to | | | | | |
| Uranister watch 2015 Good Condition Sludge Loading Area 2015 Good Condition Incidion Sludge Food Pumps 2018 Beager J. 2015 Acadion Recirculation Analable Incidion Inhibitedend Sludge Food Pumps 2015 Penn Valley / Good Condition Incidion Recirculation Pumps 2015 Penn Valley / Good Condition Incidion Recirculation Pumps 2015 Penn Valley / Good Condition Incidion Recirculation Pumps 2015 Invalidation Pumps 2015 Recirculation Pumps 2015 Invalidation Invalidation Recirculation Pumps 2015 Invalidation Invalidation Recirculation Pumps 2015 Invalidation Condition Recirculation Pumps 2015 Invalidation Condition Schar All 2015 Invalidation Condition Schar All 2015 Invalidation Condition Replacement Pumps 2015 Condition Replacement Parts Needed Alagentic Dumis 2015 Cond C | | A/C | | Good Condition | | | | | | |
| Sludge Loading Area 2015 Good Condition 9.000 Condition Sludge Truck Pumps 2015 Good Condition 9.000 Condition Sludge Truck Pumps 2015 Good Condition 9.000 Condition Unthickened Sludge Tank 2015 Jenn Valley/ Good Condition 9.000 Condition Recirculation Pumps 2015 Jenn Valley/ Good Condition 9.000 Condition Recirculation Pumps 2015 Jenn Valley/ Good Condition 9.000 Condition Recirculation Pumps 2015 Josef Condition (Sals Lask Inside In | | Transfer Switch | | Good Condition | | | | | | |
| Sludge Track Funps | | Lighting | | Good Condition | | | | | | |
| Sludge: Flock Pumps 2015 Beorget / J. 2017, J. 2019 Condition | | Sludge Loading Area | 2015 | Good Condition | | | | | | |
| Unintickened Surger Tank 2015 Penn Valley, Good Condition Recirculation Browns 2015 Penn Valley, Good Condition Recirculation Browns 2015 Penn Valley, Good Condition Recirculation Browns 2015 Recirculation Re | | Sludge Truck Pumps | 2018 | Boeger / 1-2017, 1 2019 / Good Condition | | | | | | |
| Unthickened Sludge Tank 2015 Aeration & Recirculation Available Primary Pumps 2015 Park Maley / Good Condition Recirculation Blowers 2015 Social Condition Seals Leak Recirculation Blowers 2015 Good Condition Seals Leak Recirculation Blowers 2015 Good Condition Seals Leak Recirculation Blowers 2015 Good Condition Seals Leak Recirculation Blowers 2013 Good Condition Seals Leak Recirculation Blowers 2013 Good Condition Seals Leak Recirculation Blowers 2013 Good Condition Seals Leak Recirculation Recirculation Seals Leak Recirculation Seals Leak Recirculation Seals Leak Recirculation Recirculation Seals Leak Recirculation Replacement Skid System Seals Leak Seals Leak Recirculation Replacement Skid System Seals Leak Recirculation Replacement Replacement Skid System Seals Leak Recirculation Replacement Rep | | Sludge Feed Pumps | 2015 | Penn Valley / Good Condition | | | | | | |
| Primary Pumps 2015 Perin Valley / Good Condition Recitation Recitation Blowers 2016 Mean / Factor / Factor Condition Recitation Blowers 2017 D86 / 1- Good Condition Consider Repair Recitation Blowers 2018 D86 / 1- Good Condition Consider Repair Recitation Blowers 2019 D86 / 1- Good Condition Consider Repair D86 / 1- Good Condition Consider Replacement Skid System 2018 D86 / 1- Good Condition Consider Replacement Skid System D87 / 1- Good Condition D87 / 1- Good Condition Replacement Skid System D87 / 1- Good Condition Replacement Parts Needed Replacement Parts Needed Roce of Control System 2015 Good Condition 2015 Good Condition Replacement Parts Needed Replacement Parts Needed Replacement Skid System Replacement Parts Needed WAS Pumps 2015 Good Condition 2015 Good Condition Replacement Parts Needed Replacement Skid System Replacement Skid System Replacement Parts Needed Securi | | Unthickened Sludge Tank | | Aeration & Recirculation Available | | | | | | |
| Reciculation Pumps 2015 Wennox / Fair Condition Name Consider Repair Recirculation Blowers 2010 Box / 1-Good Condition Consider Repair Reading Drum Thickener 2013 Good Condition Consider Replacement Skid System Blowers 2013 Good Condition Consider Replacement Skid System School 2018 Standbly Replaced System / Strainer Down / Poor Condition Consider Replacement Skid System School 2015 Good Condition Consider Replacement Parts Needed Roof 2015 Standbly Replaced 2019 / Good Condition Replacement Parts Needed Magnetic Drums 2015 Good Condition Replacement Parts Needed Arcompressors 2015 Good Condition Replacement Parts Needed Aux Fulning Tank 2015 Good Condition Replacement Parts Needed Aux Fulning Tank 2015 Good Condition Replacement Parts Needed Aux Fulning Tank 2015 Good Condition Read Annual Service Pavement 2015 Good Condition Replacement Parts Needed Influent Vialve 2015 Good Condition Consider Spare On-Hand Influent Valve 2015 Good Condition Consider Spare On-Ha | | Primary Pumps | | Penn Valley / Good Condition | | | | | | |
| Recirculation Blowers 2015 Dood Condition Lunder Repair Bowers 2013 Good Condition Consider Replacement Skid System 2013 Good Condition Blowers 2013 Good Condition Consider Replacement Skid System Consider Replacement Skid System ScADA 2019 New Condition Consider Replacement Skid System Consider Replacement Skid System Roof 2015 Sand Alone Skid System Stand Alone Skid System Replaced Condition Replaced Condition 2015 Sand Alone Skid System Replaced Condition Replacement Parts Needed Magnetic Drums 2015 Good Condition Replaced Condition Replacement Parts Needed Magnetic End Tank 2015 Good Condition Replaced Condition Reed Annual Service MAS Pumps 2015 Good Condition Replacement Parts Needed Replacement Parts Needed WAS Pumps 2015 Good Condition Replacement Parts Needed Replacement Parts Needed Pavement 2015 Good Condition Replacement Parts Needed Replacement Parts Needed Pavement 2015 Good Condition Consider Spare On-Hand Consider Spare On-Hand Replace Labe | | Reciculation Pumps | | Wemco / Fair Condition / Seals Leak | | | | | | |
| Bolowers 2015 Good Condition Blowers 2015 Good Condition Strainer Down / Poor Condition Consider Replacement Skid System Scrüce Water System 2018 Stand Alone Skid System Scrüce Water System 2015 In / Good Condition Consider Replacement Skid System Scrüce Water System 2015 In / Good Condition Replacement Parts Needed Replaced System 2015 In / Good Condition Replacement Parts Needed Replaced System 2015 Good Condition Replacement Replaced System 2015 Good Condition Replacement Replaced System 2015 Good Condition Replaced Annual Service Replaced System 2015 Good Condition Replaced Annual Service Replaced System 2015 Good Condition Replaced Annual Service Replaced Annual Service Replaced System 2015 Good Condition Replaced Annual Service Replaced | | Recirculation Blowers | | D&G / 1- Good Condition, 1- Under Repair | | | | | | |
| Blowers 2013 Good Condition Service Water System 2008 Stand Alone Skid System / Strainer Down / Poor Condition Consider Replacement Skid System ScADA ScADA 2019 New Condition Consider Replacement Skid System ScADA Consider Replacement Skid System ScADA Condition Consider Replacement Skid System ScADA Condition Consider Replacement Skid System Consider Replacement Skid System Consider Replacement Skid System Consider Replacement Skid System Consider Replacement Consider Repl | | Rotating Drum Thickener | 2015 | Good Condition | | | | | | |
| Service Water System 2008 Stand Alone Skid System / Strainer Down / Poor Condition Consider Replacement Skid System | | Blowers | 2013 | Good Condition | | | | | | |
| SCADA 2019 New Condition Replacement Parts Needed | | Service Water System | 2008 | Stand Alone Skid System / Strainer Down / Poor Condition | Consider Replacement Skid System | 000,000 | | | | |
| Roof Shear Mill 2015 In / Good Condition Shear Mill 2015 Assembly Replaced- 2019 / Good Condition Magnetic Prums 2015 Good Condition Magnetic Mixing Tank 2015 Good Condition Magnetic Mixing Tank 2015 Good Condition Magnetic Feed Tank 2015 Good Condition Condition Magnetic Feed Tank 2015 Good Condition Magnetic Feed Tank 2015 Good Condition Condition Diversion System 2015 Good Condition Magnetic Feed Tank 2015 Good Condition Magnetic | | SCADA | 2019 | New Condition | | | | | | |
| Roof 2015 Tin / Good Condition Replacement Parts Needed Shear Mixing Tank 2015 Assembly Replaced-2019 / Good Condition Replacement Parts Needed Magnetic Drums 2015 Good Condition Need Annual Service Magnetite Drums 2015 Good Condition Need Annual Service Magnetite Drums 2015 Good Condition Need Annual Service Magnetite Feed Tank 2015 Good Condition Need Annual Service WAS Holding Tank 2015 Good Condition Consider Spare On-Hand WAS Pumps 2015 Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Consider Spare On-Hand Pavement Park Was Pumps 2015 Good Condition Consider Spare On-Hand Pavement Park Was Pumps 2015 Good Condition Consider Replaced Annually Dodg Control System 1997 Good Condition Media Replaced Annually Odor Control System 2015 Concrete & Ricirculation Piping Good Condition Media Replaced Annually Security Cameras None Vi | Bio-Mag Building | | | | | | | | | |
| Shear Mill 2015 Assembly Replaced- 2019 / Good Condition Replacement Parts Needed | | Roof | 2015 | Tin / Good Condition | | | | | | |
| Magnetic Drums 2015 Good Condition Magnetic Mixing Tank 2015 Good Condition Need Annual Service Magnatite Feed Tank 2015 Good Condition Need Annual Service Need Annual Service Air Compressors 2015 Good Condition Need Annual Service WAS Holding Tank 2015 Good Condition Need Annual Service WAS Pumps 2015 Good Condition Consider Spare On-Hand Pavement 2015 Diesel Self-Contained Building / Good Condition Media Replaced Annually Pavement 2015 Diesel Self-Contained Building / Good Condition Media Replaced Annually Pavement 2015 Diesel Self-Contained Building / Good Condition Media Replaced Annually Pavement Security Cameras 2015 Concrete & Ricirculation Piping / Good Condition Media Replaced Annually Pavement Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Spare On-Hand Pavement Security Cameras 1997 Rebuilt 2007- Poor Condition Consider Spare On-Hand | | Shear Mill | 2015 | - | Replacement Parts Needed | | | | | |
| Magnetic Mixing Tank 2015 Good Condition Mediantities Magnatic Feed Tank 2015 Good Condition Need Annual Service Air Compressors 2015 Good Condition Need Annual Service WAS Holding Tank 2015 Good Condition Consider Spare On-Hand WAS Pumps 2015 Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Consider Spare On-Hand Pavement Fence / Gate 2015 Good Condition Condition Energency Generator 2015 Diesel / Self-Contained Building / Good Condition Media Replaced Annually Above-Ground Oil Tank 1997 Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition Media Replaced Annually Outside Lighting Tank 2015 Good Condition Media Replaced Annually Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Spare On-Hand Diminuter 2015 Good Condition Consider Replacement Influent Valve 2015 Good Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Magnetic Drums | 2015 | Good Condition | | | | | | |
| Magnatite Feed Tank 2015 Good Condition Need Annual Service Air Compressors 2015 Good Condition Need Annual Service WAS Holding Tank 2015 Good Condition Consider Spare On-Hand WAS Pumps 2015 1-2015, 1-2018 / Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Consider Spare On-Hand Pavement Fence / Gate 2015 Good Condition Media Replaced Annually Pavement Fence / Gate 2015 Diseal / Self-Contained Building / Good Condition Media Replaced Annually Above-Ground Oil Tank Above-Ground Oil Tank Duissel / Self-Condition 1997 Good Condition Media Replaced Annually Ourside Lighting Our State Lighting Duissel / Self-Condition 2015 Concrete & Ricirculaion Piping / Good Condition Media Replaced Annually Ourside Lighting Stark Duissel / Self-Condition 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Rebuild or Replacement Influent Valve 2015 Good Condition Transmission Line Improvments Influent Valve 2015 Good Condition | | Magnetic Mixing Tank | 2015 | Good Condition | | | | | | |
| Air Compressors 2015 Good Condition Need Annual Service WAS Holding Tank 2015 Good Condition Consider Spare On-Hand WAS Pumps 2015 1-2015, 1-2018 / Good Condition Consider Spare On-Hand Pavement 2015 1-2015, 1-2018 / Good Condition Consider Spare On-Hand Fence / Gate 2015 Good Condition Good Condition Emergency Generator 2015 Good Condition Media Replaced Annually Odor Control System 2015 1, 1997-Fair Condition Media Replaced Annually Outside Lighting 2015 1, 1997-Fair Condition Media Replaced Annually Outside Lighting 2015 Concrete & Ricirculation Piping / Good Condition Media Replaced Annually Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Rebuild on Replacement Influent Pumps 1997 Fair Condition Consider Rebuild on Replacement Influent Valve 2015 Good Condition Transmission Line Improvments | | Magnatite Feed Tank | 2015 | Good Condition | | | | | | |
| WAS Holding Tank 2015 Good Condition Consider Spare On-Hand WAS Pumps 2015 1- 2015, 1- 2018 / Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Consider Spare On-Hand Fence / Gate 2015 Good Condition Media Replaced Annually Emergency Generator 2015 Good Condition Media Replaced Annually Odor Control System 2015 1, 1997-Fair Condition Media Replaced Annually Outside Lighting 2015 1, 2097-Fair Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping /Good Condition Media Replaced Annually Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Area Diminuter 2015 Fair Condition Consider Spare On-Hand Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Air Compressors | 2015 | Good Condition | | | | | | |
| WAS Pumps 2015 1-2015, 1-2018 / Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Consider Spare On-Hand Pavement 2015 Good Condition Good Condition Emergency Generator 2015 Good Condition Media Replaced Annually Above-Ground Oil Tank 1997 Good Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 J. 1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Sudge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Spare On-Hand Area Diminuter 2015 Fair Condition Consider Rebuild or Replacement Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | WAS Holding Tank | 2015 | Good Condition | | | | | | |
| Pavement 2015 Good Condition Fence / Gate 2015 Good Condition Fence / Gate 2015 Good Condition Emergency Generator 2015 Diesel / Self-Contained Building / Good Condition Media Replaced Annually Above-Ground Oil Tank 1997 Good Condition Media Replaced Annually Odor Control System 2015 I, 1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping /Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Area Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Fair Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | WAS Pumps | 2015 | 1- 2015, 1- 2018 / Good Condition | | | | | | |
| Pavement 2015 Good Condition Influent Valve 2015 Good Condition Pavement 2015 Good Condition Influent Valve 2016 Good Condition Pavement 2015 Good Condition Influent Valve Influent Valve 2015 Iood Condition Pavement 2015 Dioacd Condition Influent Valve Influent Valve Media Replaced Annually Pavement 2015 Influent Condition Media Replaced Annually Media Replaced Annually Consider Installation Consider Installation Consider Rebuild or Replacement Influent Valve 2015 Good Condition Transmission Line Improvements | Grounds | | | | | | | | | |
| Fence / Gate 2015 Good Condition Emergency Generator 2015 Diesel / Self-Contained Building / Good Condition Media Replaced Annually Above-Ground Oil Tank 1997 Good Condition Media Replaced Annually Odor Control System 2015 1,1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition / 1, 2015- Good Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Diversion Pumps 1997 Good Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Pavement | 2015 | Good Condition | | | | | | |
| Emergency Generator 2015 Diesel / Self-Contained Building / Good Condition Media Replaced Annually Above-Ground Oil Tank 1997 Good Condition Media Replaced Annually Odor Control System 2015 1,1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Fence / Gate | 2015 | Good Condition | | | | | | |
| Above-Ground Oil Tank 1997 Good Condition Media Replaced Annually Odor Control System 2015 1,1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Fair Condition Consider Rebuild or Replacement Diversion Pumps 1997 Good Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Emergency Generator | 2015 | Diesel / Self-Contained Building / Good Condition | | | | | | |
| Odor Control System 2015 1,1997-Fair Condition / 1, 2015- Good Condition Media Replaced Annually Outside Lighting 2015 Good Condition Media Replaced Annually Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Rebuilt 2007- Poor Condition Consider Rebuild or Replacement Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Above-Ground Oil Tank | 1997 | Good Condition | | | | | | |
| Outside Lighting 2015 Good Condition Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition Consider Installation Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Rebuilt 2007- Poor Condition Consider Rebuild or Replacement Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Odor Control System | 2015 | 1, 1997-Fair Condition / 1, 2015- Good Condition | | | | | | |
| Sludge Holing Tank 2015 Concrete & Ricirculaion Piping / Good Condition | | Outside Lighting | 2015 | Good Condition | | | | | | |
| Security Cameras None View Gate, Enterance, Lot, Sludge Loading, Septic Loading Consider Installation | | Sludge Holing Tank | 2015 | Concrete & Ricirculaion Piping /Good Condition | | | | | | |
| Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Fair Condition Consider Rebuild or Replacement Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | | Security Cameras | None | View Gate, Enterance, Lot, Sludge Loading, Septic Loading | Consider Installation | | | | | |
| Diminuter 2015 Fair Condition Consider Spare On-Hand Influent Pumps 1997 Fair Condition Consider Rebuild or Replacement Diversion Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Influent Valve 2015 Good Condition Transmission Line Improvments | Influent Area | | | | | | | | | |
| Imps 1997 Fair Condition Consider Rebuild or Replacement Pumps 1997 Rebuilt 2007- Poor Condition Transmission Line Improvments Inve 2015 Good Condition | | Diminuter | 2015 | | | \$30,000 | | | | |
| ps 1997 Rebuilt 2007- Poor Condition Transmissi 2015 Good Condition Transmissi | | Influent Pumps | 1997 | | Consider Rebuild or Replacement | \$35,000 | | | | |
| 2015 | | Diversion Pumps | 1997 | | | | | | | |
| | | Influent Valve | | | | | | | | |
| | | | | | | | | | | |

| | | | U-V Area | | | | | | Secondary Area | | | | | | | | | Aeration Area | | | | | | | · · · · · · · · · · · · · · · · · · · |
|--|---------------------|----------------------------|----------|----------------|---------------------|------------------------|------------------|---------------------|----------------|-----------------|---------------------|----------------|---------------------|---------------------|------------------------|--------------------------------|---------------------|---------------|---------------------|---|----------------|---------------------|---|---|---------------------------------------|
| U-V Parts | Flood Pump | Building or Cover | | Scum Troughs | Spray Bars | RAS Pumps | Secondary Drives | Secondary Tanks | | Ammonia Probes | Nitrogen Probes | D.O. Probes | Valves | Diffusers | Internal Recycle Pumps | Aeration Mixer | Aeration Tanks | | Scum Troughs | Scum Pumps | Scum Tank | Primary Drives | Primary Tanks | Grit Removal & Screen | |
| | 1979 | | | 2015 | 2015 | 2015 | 2015 | 2015 | | 2015 | 2015 | 2015 | 2015 | 2015 | 2015 | 2015 | 2015 | | 2015 | 2015 | 2015 | 2015 | 2015 | 2015 | |
| Keep Replacement Parts On-Hand | Fair Condition | No Building or Cover | | Good Condition | 2015 Good Condition | 2015 Good Condition | Good Condition | 2015 Good Condition | | 2015 Not in Use | 2015 Good Condition | Good Condition | 2015 Good Condition | 2015 Good Condition | 2015 Good condition | 2015 6-Mixers / Good Condition | 2015 Good Condition | | 2015 Good Condition | Transfer Pump- Fair Condition / Pumps- Good Condition | Good Condition | 2015 Good Condition | 2015 Chain, Rails, Flights been Inspected 2019 / Good Condition | 2015 Grease paddles Missing / Auger Repaired 2018- Fair Condition | |
| \$10K Annually (\$30K Project Total) Totals by column | Consider Automation | Consider Building w/Gantry | | | | Consider Spare On-Hand | | | | | | | | | | Consider Spare On-Hand | | | | | | | | Consider Spare Auger | |
| \$595,000 | | \$30,000 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | \$15,000 | |
| \$15,000 \$925,000 \$552,500 | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$552,500 \$250,000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$250,000 | | | | | | | | | | | | | | | | | | | | | | | | | |

Area Asset Age Type / Disposition Recommendation COSTS TEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5

| | | \$60,000 | | | Consider Repairs or Replacement | _ | Valves 1997 | |
|-----------|---------------|----------|------------|-----------------------------------|--|--|------------------------------|---------------------------|
| | | | | | | 7 Need to be Inspected | Diffusers 1997 | |
| | | | | | | Need to be Inspected | Tanks 1974 | Aeration Tanks |
| | | | | | | | | Aeration Area |
| | | | | | | | | |
| | | | 000,000 | | consider Opgrade | Poor Condition / Vaghn Chopper Pump | Scum Troughs 1974 | Sc |
| | | | \$50,000 | | Colliside Rebails of Replacement | | Scum Pump 1997 | <i>(</i> |
| | | | \$50,000 | | Consider Pensits or Penlacement | _ | , | Scum Tank |
| | | | | | COLISIACI REPLACEMENT | | ary Pumps | Pr |
| | | | | | Consider Replacement | | | 77 - |
| | | \$35,000 | | | | | Drives | D |
| | | | | | To be done under transmission line project | 7 1- Poor Condition / 1- Inoperable | anks 1997 | Primary Tanks |
| | | | | | | | | Primary Area |
| | | | | | | | | |
| | | | | | | | 2005 | Pumps |
| | | | | \$8,500 | Replace Door | Very Poor Condition / Safety Issue | Door 1974 | Wet Well Door |
| | | | | | Consider Spare On-Hand | .5 Diminutor / Fair Condition | r 2015 | Diminutor |
| | | | 000,020 | | | | alve 1974 | Infuent Valve |
| | | | ¢ 3E 000 | | | | | Influent Area |
| | | | | | | | | |
| | | | | | Consider Installation | View Gate, Enterance, Lot, Sludge Loading, Septic Loading | Some | Security Cameras |
| | | | | 000,010 | collsider vehiacement w/ rep rights | | ighting 19/4 | Outside Lighting |
| | | | | \$15,000 | Capidat Banlacament w/150 lights | | | Bio-Filter |
| | LINE | NOISSIMS | T OF TRANS | DONE AS PART OF TRANSMISSION LINE | | | Apove-Glogila Oll falls | ABOVE - 0 |
| | | | | | | | nd Oil Tank | Above-Gr |
| | | | | \$5,000 | Consider replacing back gate | | | Fence / Gate |
| | | | | \$15,000 | Repair or resurface | 4 Original / Degraded Condition in Back | 1974 | Pavement |
| | | | | | | | | Grounds |
| | | | | | | | | |
| | | | | | | 9 New Condition | 2019 | SCADA |
| | | | | \$25,000 | Consider Upgrading | | Chlorine Tank Room 1997 | Chlorine 7 |
| | | | | \$25,000 | Consider Upgrading | 7 Original / Fair Condition / Leaks | Chlorine Service Water 1997 | Chlorine S |
| | | | | \$125,000 | Consider Replacement Skid System | 4 Original / Very Poor Condition | Service Water System 1974 | Service W |
| | | | | \$75,000 | Consider New Neuros for 3rd position | 3 1-Good Condition / 1-Vibrating / 1- VFD Repair | 2013 | Blowers |
| | | | | \$50,000 | Consider Upgrading | 4 Original / Fair Condition | ps 1974 | WAS Pumps |
| | | | | \$27,000 | Installing New Pump for Back-up | | 1974 | RAS Pumps |
| | | | | \$75,000 | Consider Replacing one unit | | Rotating Drum Thickener 1974 | Rotating [|
| | | | | \$35,000 | Consider New Pump on Hand | 4 Repair Often | ed Pumps 1974 | Sludge Feed Pumps |
| | | | | | Consider Upgrade | 9 Good Condition / No Flow Meter | Sludge Loading Area 1979 | Sludge Lo |
| | | | | | | 9 Good Condition / Recently Inspected & Repaired | Odor Control System 1999 | Odor Con |
| | | | | | | Good Condition | 2008 | Lighting |
| | | | \$35,000 | | Consider Replacement | 4 Poor Condition | witch 1974 | Transfer Switch |
| | | | | | | B Diesel / 657 Hrs. / Good Condition | Emergency Generator 1978 | Emergenc |
| | | | | | | Good Condition | 2016 | A/C |
| | | | | 000,21¢ | Consider Repairs | Fluid Leaks onto VFDs | n #2 1998 | MCC Room #2 |
| | | | | \$45,000 | Consider Replacement | | 1994 | Boiler |
| | | | | \$30,000 | Consider Repairs | Rubberized / Some Leakage / Flashing Issue | 1998 | Roof |
| \$300,000 | \$0 \$325,000 | \$0 | \$0 | \$0 | | Phase one and two I&I study/ possible grant funding of 55% | | Main Building I&I Study |
| | | | | | | | | |

U-V Area

| | U-V Parts | Exit Valve | Flood Pump | Building or Cover | | Sludge Tank | Secondary Drives | Secondary Tanks | | Ammonia Probes | Nitrogen Probes | D.O. Probes | |
|--|--------------------------------------|-------------------------------|---------------------|----------------------------|--|--|----------------------|--|--|-----------------------|---------------------|---------------------|--|
| | | 2015 | 1979 | | | 1974 | 1997 | 1974 | | | 2019 | 2005 | |
| | Keep Replacement Parts On-Hand | 2015 Remove Valve / Demo Wall | 1979 Fair Condition | No Building or Cover | | 1974 Unknown Condition / Need Inspection | 1997 Fair Condition | 1974 1-Inspected 2019 / 2- Unknown Condition | | No Ammonia Probes | 2019 Good Condition | 2005 Good Condition | |
| Totals by year Cotal | \$10K Annually (\$30K Project Total) | Repair Flow Short-Circuit | Consider Automation | Consider Building w/Gantry | | | Consider Replacement | Will need Infrastucture Replaced | | Consider Installation | | | |
| \$597,500 \$229,000 \$95,000 \$325,000 | | | | \$30,000 | | | \$ | \$ | | | | | |
| 229,000 | | | | | | | \$24,000 | \$45,000 | | | | | |
| \$95,000 | | | | | | | | | | | | | |
| \$325,000 | | | | | | | | | | | | | |
| \$300,000 \$1,546,500 | | | | | | | | | | | | | |