| HIAGARA FALLS | |
|---------------|--|
| WATER BOARD | |

| HATER BOX | NFWB 5 YEAR CAPITAL IMPROVEMENT PLAN (2021 - 2025) | (WORK IN PROGRESS, 8-12-21 UPDATE) | | | | | | |
|------------|--|--|--------------------|---|---|--|---------------|------------------------------------|
| ITEM NO. | PROJECT NAME | PROJECT DESIGN AND ADMINISTRATION | CONTRACT AMOUNT | PROJECT JUSTIFICATION | CONSTRUCTION CONTRACTS | CONTRACT CONSTRUCTION STATUS | RATING | FUNDING |
| COMBINE | ED PROJECTS (WATER AND WASTEWATER) - C | | | | | | | |
| C 1 | IT Plan Implementation | Develop & implement IT solution | | Efficiencies and cost savings | Ongoing - yearly | Ongoing - yearly | MEDIUM | Annual Coverage Transfe |
| C 2 | Meter Replacement & Upgrades | Replace inaccurate & old meters | | To insure meter accuracy and automated reading | Ongoing - yearly | Ongoing - yearly | MEDIUM | Annual Coverage Transfe |
| C 3 | Fleet Replacement | Replenish fleet | | Replace aging and unsafe vehicle stock | Ongoing - yearly | Ongoing - yearly | MEDIUM | Annual Coverage Transfe |
| C 4 | Water/sewer GIS/GPS Mapping | Document system assets | | Better asset management with CMMS | Ongoing - yearly | Ongoing - yearly | MEDIUM | Annual Coverage Transfe |
| C 5 | Combined Projects - Miscellaneous | Projects not forecasted or based on an emergency | | Necessary for continued operation | As needed | As needed | HIGH | Annual Coverage Transfe |
| | | | | | | The state of the s | ORECASTED EXP | ENDITURES - SUBTOTALS PER YEA |
| WASTEW | VATER TREATMENT PLANT INFRASTRUCTURE PROJECTS - WWTP | | | | | | | |
| | | Project no.1 of the NYSDEC Order on Consent | | NVODEO Orden en Comercia Do 20470000 400 Colondale A | General contract (Hohl Industrial) | \$7,422,010.00 Working on basin no.5 concrete walls | | SAM Grant #15688 Phase I |
| WTP 1 | Project No.1 - Sedimentation Basins and Scum Collection System Modification | Design/Bidding (AECOM) - completed | \$409,000.00 | NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work | Electrical contract (CIR Electric) | \$894,100.00 Ongoing | HIGH | Project 1 Bid Est. \$9,195,11 |
| | | Construction Administration (CPL) - ongoing | \$470,000.00 | item to work | CONTRACTS TOTAL | | | #15688 Matching Funds |
| | | Project no.2 of the NYSDEC Order on Consent also includes WWTP-11.2 | | | General contract (STC Construction) | \$3,215,000.00 Ongoing | | SAM Grant #15688 Phase I |
| /WTP 2 | Project No. 2 Gorge Rump Station Pohabilitation | | | NYSDEC Order on Consent R9-20170906-129, Schedule A, | Electrical Contract (CIR Electric) | \$418,300.00 Ongoing | HIGH | Project 2A Bid Est. \$3,276,06 |
| 2 | Project No.2 - Gorge Pump Station Rehabilitation | Design/Bidding (GHD) - completed | \$198,230.00 | Item 18 Work | HVAC Contract (JW Danforth) | \$864,400.00 Ongoing | IIIOII | 1 10ject 2A Bld Lat. \$5,270,00 |
| | | Construction Administration (GHD) - ongoing | \$216,700.00 | | CONTRACTS TOTAL | | | #15688 Matching Funds |
| | Discipat No. 2 Corporings and Crit Transport Equipment Improvements Delumer | Project no.3 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129, Schedule A, | General contract (Hohl Industrial) | \$1,527,000.00 Ongoing in Polymer area | | SAM Grant #15688 Phase I |
| WTP 3 | Project No.3 - Screenings and Grit Transport Equipment Improvements, Polymer Equipment Upgrades, and Dewatering Equipment Control Upgrades | Design/Bidding (Arcadis) - completed | \$166,786.00 | Item 18 Work | Electrical contract (CIR Electric) | \$140,800.00 Ongoing in Polymer area | HIGH | Project 3 Bid Est. \$1,982,11 |
| | Equipment opgrades, and bewatering Equipment Control opgrades | Construction Administration (Arcadis) - ongoing | \$147,529.00 | Reili to Work | CONTRACTS TOTAL | | | #15688 Matching Funds |
| | | Project no.4 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129. Schedule A. | General Contract (Carbon Activated) | \$1,798,840.00 Completed | | SAM Grant #15688 Phase I |
| WTP 4 | Project No.4 - Granular Activated Carbon and Carbon Support Gravel Replacement | Design/Bidding (AECOM) - completed | \$66,608.00 | Item 18 Work | | | COMPLETED | Project 4 Const. Est. \$1,999,44 |
| | | Construction Administration (AECOM) - completed | \$134,000.00 | Reili 10 Work | CONTRACTS TOTAL | AL \$1,999,448.00 | | #15688 Matching Funds |
| | | Project no.5 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129, Schedule A, | Electrical Contract (TBD) | TBD Bidding | 4 | SAM Grant #15688 Phase I |
| /WTP 5 | Project No.5 - Electrical Systems Improvements | Design/Bidding (El Team) - completed | \$133,566.40 | Item 18 Work | | | HIGH | Project 5 Cost Est. \$2,610,00 |
| | | Construction Administration (El Team) - ongoing | \$65,374.40 | Reili 10 Work | CONTRACTS TOTA | | | #15688 Matching Funds |
| | | Project no.6 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129, Schedule A | Mechanical Contract (Mollenberg-Betz) | \$1,366,000.00 Completed | | SAM Grant #15688 Phase I |
| WTP 6 | Project No.6 - Effluent Disinfection | Design/Bidding (AECOM) - completed | \$116,000.00 | Item 18 Work | Electrical contract (Ferguson Electric) | \$508,000.00 Completed | COMPLETED | |
| | | Construction Administration (AECOM) - completed | \$74,000.00 | Rem 10 Work | CONTRACTS TOTAL | AL \$2,064,000.00 | | #15688 Matching Funds |
| | | Project no.7 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129. Schedule A. | HVAC contract (JW Danforth) | \$782,000.00 Submittals ongoing, long equipment lead times | | SAM Grant #15688 Phase I |
| /WTP 7 | Project No.7 - HVAC Improvements | Design/Bidding (El Team) - completed | \$112,000.00 | Item 18 Work | Electrical contract (CIR Electric) | \$177,363.00 Submittals ongoing | HIGH | Project 7 Bid Est. \$1,099,88 |
| | | Construction Administration (El Team) - ongoing | \$28,520.00 | Rem 10 Work | CONTRACTS TOTA | | | #15688 Matching Funds |
| | | | | NYSDEC Order on Consent R9-20170906-129, Schedule A, | General Contract (NFWB) | Completed | | SAM Grant #15688 Phase I |
| VWTP 8 | Project No.8 - Backwash Blower & Piping | Project no.8 of the NYSDEC Order on Consent (In-House) | | Item 18 Work | Mechanical Contract (Mollenberg-Betz) | Completed | COMPLETED | |
| | | | | Reili 10 Work | | | | #15688 Matching Funds |
| | | Project no.9 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129. Schedule A. | Mechanical contract (MLP Plumbing) | \$428,300.00 Submittals just starting | | SAM Grant #15688 Phase I |
| /WTP 9 | Project No.9 - Interior Piping Improvements | Design/Bidding (JM Davidson) - completed | \$65,900.00 | Item 18 Work | | Pre-con meeting held on 8/5/21 | HIGH | Project 9M Bid Est. \$601,51 |
| | | Construction Administration (JM Davidson) - ongoing | \$25,525.00 | | CONTRACTS TOTAL | | | SAM Grant Matching Funds |
| | | Project no.10 of the NYSDEC Order on Consent | | NYSDEC Order on Consent R9-20170906-129, Schedule A, | Phase I Design/Construction Contract (KAMAN) | \$352,450.00 Completed | | SAM Grant #15688 Phase I |
| /WTP 10 | Project No.10 - SCADA Improvements | Construction Administration (CPL/NFWB) - ongoing | | Item 18 Work | Phase II Design/Construction Contract (KAMAN) | \$146,200.00 Ongoing | HIGH | Project 10 Bid Est. \$498,65 |
| | | | | | TOTA | AL \$498,650.00 | | #15688 Matching Funds |
| | 1.1 Project No.12 (WWTP Phase II Grant) - Wastewater Treatment Plant Protective Measures, Contract 68 (On Hold) | Project no.12 of the NYSDEC Order on Consent (On Hold) included with WWTP- | 15 below | | General Contract (TBD) | TBD 24 month schedule extension requested on 4/12/21 along with a revised more cost effective project, being reviewed by FEMA. | | Sam Grant Project ID #15689 |
| /M/TD 14-4 | | | | | | | | |
| WIP 11.1 | | Design/Bidding (GHD) - original design completed, redesign on hold (FEMA) | \$208,000.00 | | | | | Cost Est. \$3.92M (25%)= \$980,000 |
| | 1 | 0 4 6 41 114 6 (010) | #00F 700 00 | against extreme weather | | | HOLD | #4ECOO Metabing Funds |

\$325,700.00

Construction Administration (GHD) - redesign on hold (FEMA)

WWTP 12 WWTP Roof Repairs
WWTP 13 WWTP Chemical Bulk Storage

WWTP 14 WWTP Structural/Masonry Repairs

WWTP 16 WWTP Standby Generator
WWTP 17 WWTP Infrastructure Projects - Miscellaneous

PROJECT GRANT FUNDING LEGEND

WWTP PHASE I GRANT PROJECTS - SAM Grant #15688 (total grant amount = \$13,500,000)

WWTP PHASE II GRANT PROJECTS - SAM Grant #15689 (total grant amount = \$6,500,000)

VWTP 15 Wastewater Treatment Plant Protective Measures, Contract 68 (

WWTP 11.2 Project No.2 (WWTP Phase II Grant) - Relocate Outfall 003 from the Falls Street Tunnel to the Gorge Pump Station

WWTP 11.3 Project No.11 (WWTP Phase II Grant) - Exterior Piping Improvements (Upgrades to the Sewer Line from Sedimentation Basin No.5)

WWTP 11.4 Project No.11 (WWTP Phase II Grant) - Exterior Piping Improvements (Replacement of Sludge and Hypochlorite Pipelines)

Project or work has been completed Project or work is ongoing

Red font means not currently in place

TBD - To Be Determined

| Construction Administration (GHD) - redesign on hold (FEMA) | \$325,700.00 | | | | | | #15689 Matching Funds |
|---|--|--|-------------------------------------|--------------------------------------|--|------------|---|
| Project no.2 of the NYSDEC Order on Consent (WWTP-11.2) Redirecting of CSO Outfall 003 flows to GPS Outfall 006 (work included in CIP item no. WWTP-2 Project No.2 Gorge Pump Station Rehabilitation above) | Included in Project No.2 above | NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work, meets WWTP Phase II, Grant No.19209 | General Contract (STC Construction) | Included in Project No.2 above | Completed | COMPLETED | Sam Grant Project ID #19209 Project 2B Bid Est. \$1,666,265 #19209 Matching Funds |
| Project no.11 of the NYSDEC Order on Consent | | Project identified that meets requirements of WWTP Phase | General contract (JW Danforth) | \$626,800.0 | 0 Submittals just starting | | Sam Grant Project ID #19246 |
| Design/Bidding (JM Davidson) - completed | \$68,855.00 | II. SAM Grant No.19246 | | | Pre-con meeting held on 8/5/21 | MEDIUM | Project 11G Bid Est. \$695,655 |
| Construction Administration (JM Davidson) - ongoing | Included above | II, SAIN GIGHT NO. 19240 | TOTA | L \$695,655.00 | Final Completion Date: March 2, 2022 | | #19246 Matching Funds |
| Project no.11 of the NYSDEC Order on Consent | 4 | Project identified that meets requirements of WWTP Phase | General contract (JW Danforth) | Included above | Submittals just starting | | Sam Grant Project ID #20545 |
| Design/Bidding (JM Davidson) - completed | Included above | II, SAM Grant No.20545 | | | Pre-con meeting held on 8/5/21 | MEDIUM | Project 11G Bid Est. \$695,655 |
| Construction Administration (JM Davidson) - ongoing | Included above | II, SAIN Grafit NO.20343 | TOTA | L Included above | Final Completion Date: March 2, 2022 | | #20545 Matching Funds |
| Replace & repair large sections of the WWTP roofs | | Necessary for facility protection and longevity | On hold | | On hold | LOW | ON HOLD |
| Replacement of sodium hypochlorite tank no.216 | | Tank will need to be replaced in the near future | Tank may last a few more years | | TBD | HIGH | Annual Coverage Transfer |
| Repair aging and failing structural components | | Restore structural integrity | On hold | | On hold | LOW | ON HOLD |
| Flood Hazard Mitigation Grant Project included with WWTP-11.1 above | | Harden utility infrastructure against extreme weather | General Contract (TBD) | TBD | 24 month schedule extension requested on 4/12/21 along | MEDIUM, ON | FEMA Grant #4204-0003 Phase II |
| Design/Bidding (GHD) - original design completed, redesign on hold (FEMA) | Included in WWTP- | (Flood Hazard Mitigation Grant Project - Phase II), Prevent | | | with a revised more cost effective project, being reviewed | HOLD | Cost Est. \$3.92M (75%)= \$2,940.000 |
| Design/Bldding (GHD) - original design completed, redesign on floid (FEMA) | 11.1 above rainfall-related impacts and damage | | | | by FEMA | | |
| Replace and upgrade WWTP power generator | | Improve reliability | On hold | | On hold | MEDIUM | ON HOLD |
| Repairs / replacements not associated with Phased Projects | | Necessary for continued operation | As needed | | As needed | HIGH | Annual Coverage Transfer |
| | | | | | | | SAM Grant #15688 Phase I |
| | | | | | | | #15688 Matching Funds |
| | | | | | | | Sam Grant #15689 |
| | | | | | | | #15689 Matching Funds |

Annual Coverage Transfer FORECASTED EXPENDITURES - SUBTOTALS PER YEAR

#19209 Matching Funds

#19246 Matching Funds #20545 Matching Funds

#15689 Matching Funds

| SEWER INFRASTRUCTURE PROJECTS - S | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|---|--|----------------------------|-----------|---|
| S | 1 | GPS Elevator | Replace and upgrade GPS elevator | | Improve reliability | General Contract (Hohl Industrial/DCB Elevator) | | Completed | COMPLETED | COMPLETED |
| s | 2 | Sanitary Lift Station Electrical Upgrades | Provide standby power generation and SCADA to lift stations | | Improve reliability | Electrical Contract (Ferguson Electric/KAMAN) | | Completed | COMPLETED | COMPLETED |
| s | 3 | LaSalle Area Sewer Improvements (SSO) | Engineering Planning Grant Projects Engineering & SSES Study (Arcadis) - on hold WQIP Grant Projects Design/Bidding (Arcadis) - TBD Sewer repairs to mitigate SSO's - TBD | | NYSDEC mandated regulatory requirement per Order on Consent R9-20080528-32 | Engineering draft report completed, 2021 EPG and WQIP grant applications submitted on 7/30/21 | | TBD | HIGH | EPG Grant (TBD) Project Cost Estimate \$180,000 EPG Matching Grant Funds (TBD) WQIP Grant (TBD) Project Cost Estimate (TBD) WQIP Matching Grant Funds (TBD) |
| s | 4 | Combined Sewer Overflow Long Term Control Plan (CSO LTCP) Implementation | Implement sewer improvements to mitigate CSO's | | NYSDEC mandated regulatory requirement | On hold (* part of WWTP-2) | | On hold (* part of WWTP-2) | LOW | ON HOLD |
| S | 5 | CSO Outfall Structural Repairs | Repairs to CSO outfalls on lower river | | Restore structural integrity | On hold (* part of WWTP-2) | | On hold (* part of WWTP-2) | LOW | ON HOLD |
| S | 6 | Tunnel Inspection | Inspect large diameter conveyance systems | | Plan repairs prior to failures | On hold (* part of WWTP-2) | | On hold (* part of WWTP-2) | LOW | ON HOLD |
| s | 7 | Falls Street Tunnel Regulator Repairs | Electrical and air leak repairs to the FST regulators | | Necessary for proper operation of sewer system during wet weather | Completed (NFWB) | | Completed (NFWB) | COMPLETED | COMPLETED |
| s | 8 | Sewer/GPS Infrastructure Projects - Miscellaneous | Sewer/GPS projects not forecasted or arise based on an emergency situation | | Necessary for continued operation | As needed | | As needed | HIGH | Annual Coverage Transfer |

PROJECT GRANT FUNDING LEGEND

er Infrastructure Engineering Planning Grant Project No.93794 (total grant amount = \$100,000)

Annual Coverage Transfer FORECASTED EXPENDITURES - SUBTOTALS PER YEAR



Potential Grant Application
Project has been eliminated
Red font means not currently in place

TBD - To Be Determined

NFWB 5 YEAR CAPITAL IMPROVEMENT PLAN (2021 - 2025)

PROJECT NAME

(WORK IN PROGRESS, 8-12-21 UPDATE)

PROJECT DESIGN AND ADMINISTRATION

CONTRACT AMOUNT

| | | | | <u> </u> | | | | |
|------------|--|--|---|---|--|--|-----------------|--|
| | FREATMENT PLANT INFRASTRUCTURE PROJECTS - WTP | | | | | | | |
| WTP 1 | WTP Pump Replacements | Replacement of old WTP pumps necessary to process drinking water | | Maintain treatment plant integrity | Ongoing | Ongoing | HIGH | Annual Coverage Transfer |
| WTP 2 | Automation & Security Upgrades at WTP | Automate WTP operations and perform necessary VA identified upgrades | | Maintain facility security | On hold | On hold | MEDIUM | ON HOLD |
| WTD | | | | · · · | | | 1.00 | ON HOLD |
| | WTP Vent Line Replacement | Replace corroding process vent piping | | Maintain treatment plant integrity | On hold | On hold | LOW | ON HOLD |
| | WTP Laboratory Instrumentation | New instruments for sample analysis | | Regulation-driven water testing | As needed | As needed | MEDIUM | As needed |
| WTP 5 | WTP Caulking | Repair aging and failing structural components | | Restore structural integrity | 2021 - Highland Masonry | As needed | MEDIUM | Annual Coverage Transfer |
| WTP 6 | WTP Building Improvements and Roofing Work | WTP renovations necessary for operation | | Necessary for continued operation | As needed (RFP being developed for HVAC | As needed | MEDIUM | Annual Coverage Transfer |
| | | | | * | Improvements) | | | |
| WIP / | Water Treatment Plant Infrastructure Projects - Miscellaneous | WTP projects not forecasted or arise based on an emergency situation | | Necessary for continued operation | As needed | As needed | HIGH | Annual Coverage Transfer |
| | | | | | | | FORECASTED EXPE | NDITURES - SUBTOTALS PER YEAR |
| WATER | NFRASTRUCTURE PROJECTS - W | | ı | | | | | |
| | | | | | | | | 2020 EFC Grant Application (TBD) |
| W 1 | Hydrant Replacement | Hydrant Replacement - old and inoperable hydrants | | Fire protection reliability | Potential 2021 grant application | Potential 2021 grant application | HIGH | Project Cost Estimate \$750,000 |
| | | | | | | | | Future EFC Matching Funds |
| | | Water Main Bankarawat CIRR linian of water mains are Bank Assess Water | | | | | | 2020 EFC Grant Application (TBD) |
| W 2 | 20 inch main from Beech Ave Storage Tank to Ontario Street | Water Main Replacement - CIPP lining of water mains near Beech Avenue Water Tank | | Distribution system operation & reliability | Potential 2021 grant application | Potential 2021 grant application | HIGH | Project Cost Estimate \$1,000,000 |
| | | Tank | | | | | | Future EFC Matching Funds |
| | | | | | | | | 2020 EFC Grant Application (TBD) |
| W 3 | Large Valve Replacement | Valve Replacement - water valves >12" | | System reliability | Potential 2021 grant application | Potential 2021 grant application | HIGH | Project Cost Estimate \$1,250,000 |
| | | · | | | | | | Future EFC Matching Funds |
| W 4 | Buffalo Avenue Water Valves | Valve Replacement - water valves that are damaged | | Road reconstruction opportunity | Completed (NYSDOT Project) | Completed (NYSDOT Project) | COMPLETED | COMPLETED |
| | | | | Resolve water quality & pressure issues; better asset | | | | |
| vv 5 | Leak Detection / Distribution Modeling | Water Distribution Study - Identify and control system losses | | management | TBD | TBD | MEDIUM | Annual Coverage Transfer |
| W 6 | Abandon 20" Victory Pipe WM | Water Main Abandon - unnecessary and failing watermain | | Victory pipe, potential for breaks | Eliminated - covered by items W2 & W10 | Eliminated - covered by items W2 & W10 | ELIMINATED | ELIMINATED |
| | Loop "D" Street Main - Falls Street to Gill Creek | Install new automatic blow-off | | Water quality | Completed (NFWB) | Completed (NFWB) | COMPLETED | COMPLETED |
| | Loop Niagara Avenue Main to Parkview Drive | Install new automatic blow-off | | Water quality | On going in house by NFWB | On going in house by NFWB | HIGH | Annual Coverage Transfer |
| | | Water Main Replacement - replace main and install new services | | Trator quality | on going in nease by in the | on going in nouse by in 112 | | 2018 NYS EFC WIIA Grant |
| w 9 | 10th Street and Michigan Avenue Mains - Lockport Street to Ontario Avenue (8") | Design/Bidding (City Engineering) - ongoing | | Replacement of watermain due to frequent breaks | TBD | TBD | HIGH | Project Cost Estimate \$750,000 |
| | and 10th Street to 11th Street (8") | Construction Administration (City Engineering/NFWB) - 2022 | | replacement of materinam and to module it broads | .55 | | | 2018 EFC Grant Matching Funds |
| | | Water Main Replacement - replace main and install new services | | | | | | 2018 NYS EFC WIIA Grant |
| W 10 | 18th Street Main - Ontario Avenue to Whitney Avenue (14" PE Sliplining) | Design/Bidding (City Engineering) - ongoing | | Replacement of watermain due to frequent breaks | TBD | TBD | HIGH | Project Cost Estimate \$1,100,000 |
| | | Construction Administration (City Engineering/NFWB) - 2021 | | | | | | 2018 EFC Grant Matching Funds |
| 101 | | Water Main Replacement - replace main and install new services | \$77,390.00 | | | | HIGH | 2018 NYS EFC WIIA Grant Project Cost Estimate \$1,100,000 |
| W 11 | 77th Street Main - Frontier Avenue to Niagara Falls Boulevard (8") | Design/Bidding (CPL) - ongoing Construction Administration (CPL) - 2022 | \$82,410.00 | Replacement of watermain due to frequent breaks | TBD | TBD | HIGH | 2018 EFC Grant Matching Funds |
| | | Constituction Administration (GFL) - 2022 | φο2,410.00 | | | | | Future EFC grant application |
| W 12 | 80th Street - Niagara Falls Blvd. to Rick Manning Drive | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential future grant application | Potential future grant application | HIGH | Project Cost Estimate \$300,000 |
| " "- | ooth offeet - Magara Falls Divd. to Nick Maining Drive | Water Main Replacement - replace main and motalinew services | | Replacement of watermain due to frequent breaks | i oteritial ruture grant application | i otentiai ruture grant application | HIGH | Future EFC Matching Funds |
| W 13 | 81st Street Main - Frontier Avenue to Niagara Falls Boulevard | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| 10 | orac officer main. Frontier Avenue to Magara Fano Boulevara | Trater main replacement replace main and install new services | | Replacement of Watermani due to frequent breaks | CHINIC | Cirriota | | 2017 NYS EFC WIIA Grant |
| W 14 | Bollier Avenue Main - 82nd Street to Military Road | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | General Contract (4th Generation Construction) | Completed - 2020 | COMPLETED | Project Bid Estimate \$534,810 |
| | , | · | | · | , , , , , , , , , , , , , , , , , , , | · | | 2017 EFC Grant Matching Funds |
| | | | | | | | | Future EFC grant application |
| W 15 | College Terrace - Madison to College Avenue | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential future grant application | Potential future grant application | HIGH | Project Cost Estimate \$155,000 |
| | | | | | | | | Future EFC Matching Funds |
| W 16 | LaSalle Avenue Main - Hyde Park Blvd to 11th Street | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| | | | | | | | | 2021 EFC Grant Application (TBD) |
| W 17 | Laughlin Drive Main - 82nd Street to Bollier Ave | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential 2021 grant application | Potential 2021 grant application | MEDIUM | Project Cost Estimate \$630,000 |
| | | | | | | | | Future EFC Matching Funds |
| 100 | | | | | The state of the state of | manufacture and the second | MEDIUM | Future EFC grant application |
| W 18 | McKoon Avenue Main - DeVeaux Avenue to James Avenue | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential future grant application | Potential future grant application | MEDIUM | Project Cost Estimate \$880,000 |
| | | Water Main Replacement - replace main and install new services | | | | | | 2018 NYS EFC WIIA Grant |
| W 19 | Military Road Main - Jacob Place to Bollier Avenue | Design/Bidding (Urban Engineers) - ongoing | | Replacement of watermain due to frequent breaks | TBD | TBD | MEDIUM | Project Cost Estimate \$200,000 |
| | mintary road main success race to boiler Avenue | Construction Administration (Urban Engineers) - 2021 | | Replacement of Waterman due to request breaks | 135 | 100 | 2.6 | 2018 EFC Grant Matching Funds |
| W 20 | Military Road Main - Jacob Place to Cayuga Drive | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| | | | | | | | | 2021 EFC Grant Application (TBD) |
| W 21 | Ontario Avenue Main - 13th Street to Main Street | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential 2021 grant application | Potential 2021 grant application | MEDIUM | Project Cost Estimate \$800,000 |
| | | | | | | | | Future EFC Matching Funds |
| | Pierce Avenue Main - 11th Street to 18th Street | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| | Pierce Avenue Main - 18th Street to Hyde Park Blvd. | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| W 24 | Rivershore Drive Main - S.86th Street to 91st Street | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| 100 | | | | | | | | 2021 EFC Grant Application (TBD) |
| vv 25 | Van Rensselaer Ave - 900 Block | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential 2021 grant application | Potential 2021 grant application | HIGH | Project Cost Estimate \$150,000 |
| W 00 | Welsh Assessed Males 40th Oterant to 04th Oc. 1 (40th) | Water Main Deutschmant and an and a 11 to 11 | | Banka amount of contamonals 1 1 1 1 1 | On hold | On hold | 1.00 | Future EFC Matching Funds |
| vv 26 | Welch Avenue Main - 19th Street to 24th Street (16") | Water Main Replacement - replace main and install new services Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD 2018 NYS EFC WIIA Grant |
| W 27 | Whitney Avenue Main - 11th Street to Hyde Park Blvd. | Design/Bidding (CPL) - ongoing | \$134,920.00 | Replacement of watermain due to frequent breaks | TBD | TBD | HIGH | Project Cost Estimate \$1,850,000 |
| | Trining Avenue main - Trui ou eet to riyde Fark Divu. | Construction Administration (CPL) - 2022 | \$118,070.00 | Replacement of watermain due to frequent breaks | 100 | 100 | ПОП | 2018 EFC Grant Matching Funds |
| W 28 | Willow Avenue Main - 11th Street to 17th Street (8") | Water Main Replacement - replace main and install new services | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Replacement of watermain due to frequent breaks | On hold | On hold | LOW | ON HOLD |
| | and the second s | | | and to it aquain at out to | | | | 2021 EFC Grant Application (TBD) |
| W 29 | Witkop Avenue and 85th Street Loop (all 8") | Water Main Replacement - replace main and install new services | | Replacement of watermain due to frequent breaks | Potential 2021 grant application | Potential 2021 grant application | MEDIUM | Project Cost Estimate \$720,000 |
| | | | | | | | | Future EFC Matching Funds |
| 14/ 00 | Weter Information Projects Misseller | Water Desirate and formated and it is a second as a | | Management and an extension of | TOD | As wooded | HOLL | |
| w 30 | Water Infrastructure Projects - Miscellaneous | Water Projects - not forecasted or arise based on an emergency situation | | Necessary for continued operation | TBD | As needed | HIGH | Annual Coverage Transfer |
| | RANT FUNDING LEGEND | | | | | | | 2017 NYS EFC WIIA Grant |
| | FC WIIA Grant Project, Drinking Water State Revolving Fund (DWSRF) | | | | | | | 2017 EFC Grant Matching Funds |
| | Project No.18435 (total grant amount = \$240,000) | | | | | | | 2018 NYS EFC WIIA Grant |
| 2018 NYS E | FC WIIA Grant Projects, Drinking Water State Revolving Fund (DWSRF) | | | | | | | 2018 EFC Grant Matching Funds |
| | Project No.18588 (total grant amount = \$3,000,000) | | | | | | | 2021 NYS EFC WIIA Grant |
| 2021 NYS E | FC WIIA Grant Projects, Drinking Water State Revolving Fund (DWSRF) | | | | | | | 2020 EFC Grant Matching Funds |
| | Potential Grant Application | | | | | | | Future EFC grant application |

PROJECT JUSTIFICATION

CONTRACT AMOUNT

CONSTRUCTION CONTRACTS

Annual Coverage Transfer
FORECASTED EXPENDITURES - SUBTOTALS PER YEAR
FORECASTED EXPENDITURES - TOTALS PER YEAR

RATING

FUNDING

CONSTRUCTION STATUS

TOTAL FORECASTED EXPENDITURES
Fund Sources Total
Annual Coverage Transfer