



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

May 13, 2020

To: Commissioners Schad, Carney and LaGree

From: Leonard F. Kowalski, Executive Engineer

A handwritten signature in blue ink, appearing to be "LFK", is written over the name Leonard F. Kowalski.

Subject: May 2020 Capital Budget Update

Each Unit in the Production and Engineering Departments were reviewed for capital spending to date and projected spending for the remainder of the year. Table 1 summarizes the status of capital spending.

| Table 1 | | | | |
|-----------------|------------------------------|--------------------------|----------------------------------|--|
| Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 |
| \$43,763,057.00 | \$4,017,716.00 | 9% | \$34,019,571.00 | 78% |

The same units in 2019 had a total budget of \$33,560,397, actual expended was \$14,205,829 (42%). 2018 had a total budget of \$26,338,954, actual expended was \$16,919,212 (64%).

The lack of spending in 2018 and 2019 can largely be contributed to a lack of personnel in the Production and Engineering Departments to develop and manage projects. The personnel issue has been addressed over the last two years and continues to be addressed, which is why you see an uptick in projected spending for 2020.

Another contributor was the need to fully fund in our budget all projects that ECWA was seeking EFC grant funding, even though many of these projects are constructed over multiple budget years. Part of the grant application requires the applicant to show they can fund their portion of the project for the fiscal year they are applying, both design and construction. ECWA had transmission main projects fully funded in order to apply for a grant, however, design had not been completed and thus funds targeted for construction were not spent in that budget year. That is the nature of how the EFC grant application process works.

The transmission main replacement program was started in 2017 and these projects are time consuming to design and to get approvals from outside agencies (National Grid, NYSDOT, private owners, etc.). Utility corridors are heavily congested and there are a lot more conflicts and regulations to deal with compared to when the transmission mains were originally installed. For example, W-27 is currently under construction and is projected to be completed in the first quarter of 2021. The Professional Service Agreement for W-27 was approved on May 2, 2017, it will be almost 3-1/2 years from the start of the project until construction is complete, largely in part to the exhaustive utility review and approval process. Now that the transmission main replacement

program has been in place for the last three years, construction of these mains will start to occur on a more consistent basis.

Table 2 lists each unit with its associated budget amount, the amount expended to date and the amount projected for the remainder of the year. The 10XX units are capital projects that are handled internally by ECWA forces and the 25XX units are projects that involve an outside consultant and private contractor.

| Unit | Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 |
|--------------------------------------|-----------------|------------------------------|--------------------------|----------------------------------|--|
| 1010 Sturgeon Point | \$656,000.00 | \$287,170.00 | 44% | \$552,170.00 | 84% |
| 1015 Van de Water | \$151,000.00 | \$22,766.00 | 15% | \$72,766.00 | 48% |
| 1020 Control Operations | \$975,657.00 | \$72,554.00 | 7% | \$578,510.00 | 59% |
| 1025 Instrumentation | \$550,400.00 | \$44,402.00 | 8% | \$301,102.00 | 55% |
| 2510 Eng/Construction Sturgeon Point | \$930,000.00 | \$10,280.00 | 1% | \$341,500.00 | 37% |
| 2515 Eng/Construction Van de Water | \$1,100,000.00 | \$67,227.00 | 6% | \$568,873.00 | 52% |
| 2520 Eng/Construction Control | \$9,750,000.00 | \$340,954.00 | 3% | \$8,369,454.00 | 86% |
| 2590 Eng/Const Distribution Mains | \$17,130,000.00 | \$300,895.00 | 2% | \$15,056,554.00 | 88% |
| 2595 Eng/Const Transmission Mains | \$12,520,000.00 | \$2,871,468.00 | 23% | \$8,178,642.00 | 65% |

Listed below is a brief description of the status for each unit.

Unit 1010 – spending is on track, no adjustments required.

Unit 1015 – funding was reallocated from smaller projects to fund the caustic feed system improvements at Sturgeon Point. Funding will be reallocated to complete these smaller projects.

Unit 1020 – spending will be dependent on equipment delivery in 2020. Contract documents for procurement of equipment are currently being developed.

Unit 1025 – spending will be dependent on equipment delivery in 2020.

Unit 2510 – material for PLC upgrades were delivered in 2019, after the 2020 budget was already developed. \$400,000 from budget item 101429 will not be spent in 2020. The award of the Sturgeon Point Filter Piping and Valving consultant project will consume a large portion of the remaining budget.

Unit 2515 – the consultant spending for the Van deWater expansion study and the Carbon project are projected to be less than what was budgeted. Both contracts are slated to be on the 5/21/2020 meeting for approval.

Unit 2520 – spending for major projects is on track. An RFP for security upgrades needs to be developed and two projects that are reliant on the hydraulic model still need to be developed. A decision on how to proceed with the current hydraulic model will be made in June after the revised

model from the OBG-13 project is reviewed. There is a need to hire an engineer that can focus 50% of their time on the hydraulic model.

Unit 2590 – spending is on track. Construction projects are just getting underway, there are no known delays currently. Timing of the betterment invoicing from LNTN could have a major impact on this unit.

Unit 2595 – spending will be less than budgeted. NC-40 was fully funded for construction and W-30 was partially funded for construction and neither will start in 2020. Both projects are anticipated to be bid in the first quarter of 2021.

Covid-19 has slowed down some of our processes, but all the departments have adjusted to working remotely and have stayed very productive working under the current circumstances. Covid-19 has not drastically curtailed any of ECWA's capital spending at this point, but there could come a time when material deliveries could be delayed which could impact our projected spending for the remainder of the year.

Attachment A provides additional detail for each budget item.

cc: R.Stoll
K.Prendergast
M.Wymer
M.Quinn
D.Patton
C.Johnson

Attachment A

Engineering Department - May 2020 Capital Budget Update

| Budget Item Number | Project Description | Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 | Comment |
|----------------------------|--------------------------------------|-------------------|------------------------------|--------------------------|----------------------------------|--|---|
| 1010 Sturgeon Point | | | | | | | |
| 101434 | CAUSTIC FEED SYSTEM PUMP/TANK | \$ 131,000 | \$ 122,550 | 94% | \$ 167,550 | 128% | Completed. Waiting on approval of \$45k of change order work for additional improvements needed. |
| 101469 | REPLACEMENT HIGH SERVICE PUMP | \$ 140,000 | \$ 125,295 | 89% | \$ 125,295 | 89% | Pump Ordered, all indication has pump delivery before end of 2020. |
| 101470 | CHEMICAL FEED PUMPS REPLACEMENT | \$ 55,000 | \$ 39,325 | 72% | \$ 39,325 | 72% | Purchased and delivered. |
| 101471 | DECANT SUBMERSIBLE MIXERS | \$ 105,000 | \$ - | 0% | \$ 80,000 | 76% | Developing docs. Anticipate approval to Bid on 06/04/2020.. |
| 101472 | DECANT PUMP REPLACEMENTS | \$ 155,000 | \$ - | 0% | \$ 120,000 | 77% | Developing docs. Anticipate approval to Bid on 06/04/2020.. |
| 101473 | LAB AUTOCLAVE REPLACEMENT | \$ 15,000 | \$ - | 0% | \$ 10,000 | 67% | Developing docs. Anticipate approval to Bid on 06/04/2020.. |
| 101492 | ONLINE HARNESS-AKALINITY METER | \$ - | \$ - | | \$ - | | Budget transferred to other projects |
| 101494 | ONLINE CHLORINE ANALYZER REPLACEMENT | \$ 40,000 | \$ - | 0% | | 0% | Transferring for Caustic system added improvements. Based on final \$\$\$ may be postponed next year. If \$ remains delivery would be before end of 2020. |
| 101529 | SAFETY EQUIPMENT | \$ 15,000 | \$ - | 0% | \$ 10,000 | 67% | Project is under development. |
| | Total 1010 Sturgeon Point | \$ 656,000 | \$ 287,170 | 44% | \$ 552,170 | 84% | |

1015 Van de Water

| | | | | | | | |
|--------|---|-------------------|------------------|------------|------------------|------------|---|
| 101478 | COAGULANT FEED PUMPS REPLACEMENT | \$ 55,000 | \$ 22,766 | 41% | \$ 22,766 | 41% | Purchased and delivered. |
| 101488 | ONLINE CHLORINE ANALYZERS | \$ 26,000 | \$ - | 0% | | 0% | Transferring for Caustic system added improvements. Based on final \$\$\$ may be postponed next year. If \$ remains delivery would be before end of 2020. |
| 101489 | CT HYDROPNUEMATIC TANK-PUMPS-PIPING | \$ 25,000 | \$ - | 0% | \$ 15,000 | 60% | Dependent on CT Study - estimate material purchase in 2020. |
| 101490 | ONLINE HARDNESS-ALKALINITY METER | \$ - | \$ - | | | | Budget transferred to other projects. |
| 101491 | LAB AUTOCLAVE REPLACEMENT | \$ 15,000 | \$ - | 0% | \$ 10,000 | 67% | Developing docs. Anticipate approval to Bid on 06/04/2020. |
| 101493 | SLUDGE SLURRY TRANSFER PUMP REPLACEMENT | \$ 30,000 | \$ - | 0% | \$ 25,000 | 83% | Chris developing docs to purchase, all indication has pump delivered before 2020. |
| | Total 1015 Van de Water | \$ 151,000 | \$ 22,766 | 15% | \$ 72,766 | 48% | |

1020 Control Operations

| | | | | | | | |
|--------|--|-------------------|------------------|-----------|-------------------|------------|--|
| 101371 | REPLACE P1 & P2 AT EAST AURORA PS | \$ 54,667 | \$ - | 0% | \$ 54,667 | 100% | Budget will be spent in 2020. |
| 101372 | REPLACE CLARK STATION P2 & P3 | \$ 79,140 | \$ 37,851 | 48% | \$ 79,140 | 100% | Budget will be spent in 2020. |
| 101437 | REPLACE P1,P2 & P3 JEWETT HOLMWOOD | \$ 72,554 | \$ 34,703 | 48% | \$ 34,703 | 48% | Budget will be spent in 2020. |
| 101479 | CASTLE HILL PS IMPROVEMENTS | \$ 77,196 | \$ - | 0% | \$ 50,000 | 65% | Pump station improvements to keep station operational. |
| 101480 | PUMP STATION PUMP REPLACEMENT | \$ 241,512 | \$ - | 0% | \$ 150,000 | 62% | Beginning to prepare contract documents to spend this money in 2020. Delivery of pumps may push this into 2021. |
| 101481 | WATER STORAGE TANK MIXING SYSTEMS | \$ 80,839 | \$ - | 0% | | 0% | Tank Circulation Pumps will be used instead of Gridbees. Look to reallocate this money. |
| 101482 | WATER STORAGE TANK TTHM REMOVAL SYSTEM | \$ 83,576 | \$ - | 0% | \$ 40,000 | 48% | Beginning to investigate tanks to add recirculation pumps to. Half of budget will be spent in 2020. |
| 101484 | REPLACE CHECK VALVES AT WINDOM | \$ 200,000 | \$ - | 0% | \$ 100,000 | 50% | Preparing contract documents for new swing check valves. Will have extra monies from this line item so we will look at other pump stations to install swing check valves and spend budget in 2020. |
| 101485 | MARILL PUMP STATION ROOF REPLACEMENT | \$ 23,660 | \$ - | 0% | \$ 20,000 | 85% | Brenden is working with Scott K. to prepare this contract. |
| 101486 | PINE HILL PS CAUSTIC BUILDING | \$ 42,513 | \$ - | 0% | \$ 35,000 | 82% | Contract has been awarded. |
| 101530 | REPLACE OVERHEAD CRANE AT WINDOM | \$ 20,000 | \$ - | 0% | \$ 15,000 | 75% | Brenden is working with Scott K. to prepare this contract. |
| | Total 1020 Control | \$ 975,657 | \$ 72,554 | 7% | \$ 578,510 | 59% | |

1025 Instrumentation

| | | | | | | | |
|--------|--------------------------------|-----------|-----------|------|-----------|------|--|
| 101365 | HHS PUMP 1, 2, & 3 VFD UPGRADE | \$ 28,141 | \$ 17,643 | 63% | \$ 17,643 | 63% | Work complete - waiting on final invoices. |
| 101366 | HHS AUTOMATIC TRANSFER SWITCH | \$ 8,369 | \$ 8,369 | 100% | \$ 8,369 | 100% | Complete |

Attachment A

Engineering Department - May 2020 Capital Budget Update

| Budget Item Number | Project Description | Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 | Comment |
|--------------------|-----------------------------------|-------------------|------------------------------|--------------------------|----------------------------------|--|---|
| 101367 | AURORA PS GEN & AUTO XFER SWITCH | \$ 3,490 | \$ 3,490 | 100% | \$ 3,490 | 100% | Complete |
| 101368 | ELLIS PS GEN & AUTO XFER SWITCH | \$ - | \$ - | | | | Complete |
| 101460 | WILLIAM ST STATION VFD UPGRADE | \$ 139,260 | \$ - | 0% | \$ 78,000 | 56% | Equipment purchase only in projection. |
| 101461 | WINDOM STATION VFD UPGRADE | \$ 192,280 | \$ - | 0% | \$ 104,000 | 54% | Equipment purchase only in projection. |
| 101462 | SERVICE CENTER UPS REPLACEMENT | \$ 35,860 | \$ - | 0% | \$ 30,000 | 84% | Purchase of UPS in process. |
| 101465 | VDW HIGH SERVICE VFD UPGRADE | \$ 115,500 | \$ 14,900 | 13% | \$ 59,600 | 52% | Projection based on 4 of 7 cells completed in 2020. |
| 101466 | SERVICE CENTER ELECTRIC SERVICE | \$ 27,500 | \$ - | 0% | | 0% | On hold - dependent on CPL study of Service Center. |
| | Total 1025 Instrumentation | \$ 550,400 | \$ 44,402 | 8% | \$ 301,102 | 55% | |

2510 Eng/Construction Sturgeon Point

| | | | | | | | |
|--------|---|-------------------|------------------|-----------|-------------------|------------|---|
| 101429 | PLC UPGRADES/REPLACEMENTS | \$ 460,000 | \$ 10,280 | 2% | \$ 20,000 | 4% | Majority of equipment showed up in 2019 after the 2020 budget was created, there will not be significant spending from his budget item. |
| 101503 | CARBON SYSTEM IMPROVEMENTS | \$ 250,000 | \$ - | 0% | \$ 40,000 | 16% | Contract award 5/21/2020; projection based on 100% BOD and 30% Design fees - shared with Van de Water budget |
| 101504 | STUDY - LM STORAGE FACILITY | \$ 60,000 | \$ - | 0% | \$ 50,000 | 83% | RFP to be developed - authorization to advertise in June. |
| 101506 | FILTER GALLERY PIPING STUDY | \$ 160,000 | \$ - | 0% | \$ 231,500 | 145% | Contract award 6/4/2020; projection based on 50% BOD fees Tasks 1-5 |
| | Total 2510 Eng/Constr Sturgeon Point | \$ 930,000 | \$ 10,280 | 1% | \$ 341,500 | 37% | |

2515 Eng/Construction Van de Water

| | | | | | | | |
|--------|---|---------------------|------------------|-----------|-------------------|------------|--|
| 101507 | CARBON SYSTEM IMPROVEMENTS | \$ 250,000 | \$ - | 0% | \$ 40,000 | 16% | Contract award 5/21/2020; projection based on 100% BOD and 30% Design fees - shared with Van de Water budget |
| 101510 | HVAC & ELECTRICAL STUDY | \$ 90,000 | \$ - | 0% | \$ 72,000 | 80% | Auth to advertise 5/21/2020; projection 80% of design fee |
| 101526 | VAN DE WATER CAPACITY EXPANSION | \$ 500,000 | \$ - | 0% | \$ 300,000 | 60% | Contract award 5/21/2020; projection based on 100% Task 1, 50% Task 2; 20% Task 3 fees |
| 101537 | GHD-008 VDW WTP RESIDUALS | \$ 260,000 | \$ 67,227 | 26% | \$ 156,873 | 60% | Fee is from contract; includes basis of design report and design. |
| | Total 2510 Eng/Constr Van de Water | \$ 1,100,000 | \$ 67,227 | 6% | \$ 568,873 | 52% | |

2520 Eng/Construction Control

| | | | | | | | |
|--------|--------------------------------------|----------------------|-------------------|-----------|----------------------|------------|---|
| 101268 | NC-35 ELECTRICAL SUBSTATION | \$ 1,120,000 | \$ 63,596 | 6% | \$ 771,712 | 69% | Pending \$530k invoice from National Grid for pole installation. |
| 101357 | W31 - BALL NORTH STORAGE TANK | \$ 7,240,000 | \$ 179,196 | 2% | \$ 7,000,000 | 97% | On track to complete by 12/31/2020; 3% for 2021 closeout |
| 101358 | GHD-007 GUENTHER REHAB | \$ 260,000 | \$ 90,420 | 35% | \$ 260,000 | 100% | All design fee should be spent in 2020, based on latest GHD project schedule. |
| 101359 | MP-80 BALL PUMP STATION STUDY | \$ 20,000 | \$ 7,742 | 39% | \$ 7,742 | 39% | Project complete, finalizing billing. |
| 101511 | CASTLE HILL PUMP STATION DESIGN | \$ 160,000 | \$ - | 0% | \$ 50,000 | 31% | RFPs due 5/8/20 - realistic consultant start 8/1/2020; more accurate estimate after RFPs received |
| 101512 | BALL PS - PUMPING IMPROVEMENTS | \$ 210,000 | \$ - | 0% | \$ 100,000 | 48% | RFPs due 5/8/20 - realistic consultant start 8/1/2020; more accurate estimate after RFPs received |
| 101513 | SECURITY UPGRADES - MISC SITES | \$ 250,000 | \$ - | 0% | \$ 100,000 | 40% | RFP required, must coordinate with Matt Barrett to develop scope. |
| 101154 | PINEHILL PS - TANK FLOOR | \$ 90,000 | \$ - | 0% | \$ - | 0% | Inspection indicated floor replacement not required; budget to be reallocated |
| 101527 | EASTERN SVC AREA/GENESEE COUNTY | \$ 250,000 | \$ - | 0% | \$ 50,000 | 20% | RFP to be issued; timing dependent on final direction of existing OBG-13 |
| 101528 | FUHRMANN BLVD INTERCONNECTION | \$ 150,000 | \$ - | 0% | \$ 30,000 | 20% | RFP to be issued; timing dependent on final direction of existing OBG-13 |
| | Total 2520 Eng/Constr Control | \$ 9,750,000 | \$ 340,954 | 3% | \$ 8,369,454 | 86% | |
| | Total - Production | \$ 14,113,057 | \$ 845,353 | 6% | \$ 10,784,375 | 76% | |

2590 Eng/Const Distribution Mains

| | | | | | | | |
|--------|-----------------------------|------------|------|----|------------|------|-------------------------------------|
| 101188 | BETTERMENTS | \$ 930,000 | \$ - | 0% | \$ 925,638 | 100% | Need update from LNTN on invoicing. |
| 101265 | NC-36 WATERLINE REPLACEMENT | \$ 20,000 | \$ - | 0% | \$ 5,880 | 29% | Carryover from 2019. |

Attachment A

Engineering Department - May 2020 Capital Budget Update

| Budget Item Number | Project Description | Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 | Comment |
|--------------------|--|----------------------|------------------------------|--------------------------|----------------------------------|--|---|
| 101266 | CH-9 WATERLINE REPLACEMENT | \$ 20,000 | \$ - | 0% | \$ 5,880 | 29% | Carryover from 2019. |
| 101348 | GP-007 WATERLINE REPLACEMENT | \$ 155,000 | \$ 142,626 | 92% | \$ 150,000 | 97% | Carryover from 2019. |
| 101350 | WSA-013 VALVE REPLACEMENT | \$ 60,000 | \$ 35,739 | 60% | \$ 50,904 | 85% | Carryover from 2019. |
| 101409 | CPL-005 WATERLINE REPLACEMENT | \$ 2,420,000 | \$ 12,618 | 1% | \$ 3,026,597 | 125% | Construction expected to be completed in 2020. |
| 101410 | NC-039 WATERLINE REPLACEMENT | \$ 3,270,000 | \$ 33,164 | 1% | \$ 3,165,878 | 97% | Construction expected to be completed in 2020. |
| 101411 | CH-012 WATERLINE REPLACEMENT | \$ 2,530,000 | \$ 18,549 | 1% | \$ 2,175,163 | 86% | 75% of construction expected to be completed in 2020. |
| 101412 | WSA-014 WATERLINE REPLACEMENT | \$ 3,100,000 | \$ 15,951 | 1% | \$ 2,632,343 | 85% | Construction expected to be completed in 2020. |
| 101432 | GP-008 WATERLINE REPLACEMENT | \$ 3,715,000 | \$ 10,275 | 0% | \$ 1,916,893 | 52% | 50% of construction expected to be completed in 2020, project is being rebid. |
| 101515 | WATERLINE REPLACEMENT #1 - BL-001 | \$ 130,000 | \$ 3,520 | 3% | \$ 68,914 | 53% | Fee is from contract; includes survey, design and geotechnical work. |
| 101516 | WATERLINE REPLACEMENT #2 - EA-012 | \$ 130,000 | \$ - | 0% | \$ 219,083 | 169% | Fee is from contract; includes survey, design and geotechnical work. |
| 101517 | WATERLINE REPLACEMENT #3 - LA-001 | \$ 130,000 | \$ 3,209 | 2% | \$ 102,312 | 79% | Fee is from contract; includes survey, design and geotechnical work. |
| 101518 | WATERLINE REPLACEMENT #4 - WSA-015 | \$ 130,000 | \$ 20,990 | 16% | \$ 153,821 | 118% | Fee is from contract; includes survey, design and geotechnical work. |
| 101519 | WATERLINE REPLACEMENT #5 - DA-010 | \$ 130,000 | \$ - | 0% | \$ 152,292 | 117% | Fee is from contract; includes survey, design and geotechnical work. |
| 101520 | WATERLINE REPLACEMENT #6 - CPL-007 | \$ 130,000 | \$ 4,254 | 3% | \$ 186,161 | 143% | Fee is from contract; includes survey, design and geotechnical work. |
| 101531 | WATERLINE REPLACEMENT #7 - GP-009 | \$ 130,000 | \$ - | 0% | \$ 118,795 | 91% | Fee is from contract; includes survey, design and geotechnical work. |
| | 2590 Eng/Const Distribution Mains | \$ 17,130,000 | \$ 300,895 | 2% | \$ 15,056,554 | 88% | |

2595 Eng/Const Transmission Mains

| | | | | | | | |
|--------|--|----------------------|---------------------|------------|---------------------|------------|---|
| 101267 | W-027 TRANSMISSION MAIN REPLACEMENT | \$ 5,000,000 | \$ 10,448 | 0% | \$ 3,599,652 | 72% | Construction started in 2020, assume 75% will be completed in 2020. |
| 101351 | CH-010 TRANSMISSION MAIN REPLACEMENT | \$ 140,000 | \$ 17,069 | 12% | \$ 752,640 | 538% | Carryover from 2019, construction will be completed in 2020. |
| 101352 | NC-40 TRANSMISSION MAIN REPLACEMENT | \$ 2,900,000 | \$ 14,874 | 1% | \$ 62,434 | 2% | Project is under design, no construction anticipated in 2020. |
| 101362 | W-30 TRANSMISSION MAIN REPLACEMENT | \$ 720,000 | \$ - | 0% | \$ 88,458 | 12% | Project is under design, no construction anticipated in 2020. |
| 101413 | RTE 5 TRANSMISSION MAIN REPLACEMENT | \$ 1,940,000 | \$ 2,102,971 | 108% | \$ 2,132,413 | 110% | Project was bid and awarded by NYSDOT, construction expected to be completed in 2020. |
| 101414 | MP-081 ROUTING STUDY | \$ 40,000 | \$ 16,371 | 41% | \$ 55,440 | 139% | Project scheduled to be completed in 2020. |
| 101521 | TRANSMISSION MAIN REPLACEMENT - MP-084 | \$ 150,000 | \$ - | 0% | \$ 146,412 | 98% | Project is under design, no construction anticipated in 2020. |
| 101522 | TRANSMISSION MAIN REPLACEMENT - WSA-016 | \$ 150,000 | \$ 81,565 | 54% | \$ 212,738 | 142% | Project is under design, no construction anticipated in 2020. |
| 101523 | TRANSMISSION MAIN STUDY | \$ 180,000 | \$ - | 0% | \$ 25,000 | 14% | RFP needs to be developed. Plan for late June or early July for advertisement. |
| 101532 | TRANSMISSION MAIN REPLACEMENT - CH-013 | \$ 150,000 | \$ - | 0% | \$ 92,343 | 62% | Project is under design, no construction anticipated in 2020. |
| 101533 | TRANSMISSION MAIN REPLACEMENT - NC-041 | \$ 150,000 | \$ 3,048 | 2% | \$ 161,112 | 107% | Project is under design, no construction anticipated in 2020. |
| 101536 | EMERGENCY TRANSMISSION MAIN REPAIR | \$ 1,000,000 | \$ 625,122 | 63% | \$ 850,000 | 85% | Emergency transmission main replacement at Ball Pump Station. |
| | 2595 Eng/Const Distribution Mains | \$ 12,520,000 | \$ 2,871,468 | 23% | \$ 8,178,642 | 65% | |

| Total Adjusted Budget | Expended and Pending to Date | Percent Expended to date | Projected Expended by 12/31/2020 | Projected Percent Expended by 12/31/2020 |
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| \$ 43,763,057 | \$ 4,017,716 | 9% | \$ 34,019,571 | 78% |