## Section 11:

## Enterprise Funds

## DEPARTMENT OF PUBLIC SERVICES: WATER DIVISION

## MISSION STATEMENT

The mission of the Department of Public Services' Water Division is to provide safe and reliable water treatment, supply, storage and distribution services to all customers of the Division, as well as, to maintain the related infrastructure in a cost effective and environmentally sensitive manner for the short and long term benefit of our customers and the environment.

## ORGANIZATIONAL OVERVIEW



| Position | FY2017 <br> Actual | FY2018 <br> Actual | FY2019 <br> Budgeted |
| :--- | :---: | :---: | :---: |
| Public Services Director | 0.33 | 0.33 | 0.33 |
| Public Services Deputy Director | 0.33 | 0.33 | 0.33 |
| Business Manager | 0.33 | 0.33 | 0.33 |
| City Engineer | 0.33 | 0.33 | 0.33 |
| Assistant City Engineer | 0.33 | 0.33 | 0.33 |
| Superintendent of Water Operations | 1.0 | 1.0 | 1.0 |
| Assistant Superintendent of Water <br> Operations | 1.0 | 1.0 | 1.0 |
| Water Distribution Manager | 1.0 | 1.0 | 1.0 |
| Administrative Office Manager | 0.5 | 0.5 | 0.5 |
| Administrative Assistant | 0.5 | 0.5 | 0.5 |
| Data Entry Clerk I | 0.5 | 0.5 | 0.5 |
| WTP Operator T-4 | 4.0 | 4.0 | 4.0 |
| WTP Operator T-3 | 0.0 | 1.0 | 1.0 |
| WTP Operator T-2 | 2.0 | 1.0 | 1.0 |
| WD Construction Foreman | 1.0 | 1.0 | 1.0 |
| Senior HEO D2 | 1.0 | 1.0 | 0.0 |
| HEO D2 | 5.0 | 4.0 | 5.0 |
| Meter Reader - HEO D2 | 0.7 | 0.7 | 0.7 |
| Total Full Time-Equivalents | $\mathbf{1 9 . 9}$ | $\mathbf{1 8 . 9}$ | $\mathbf{1 8 . 9}$ |

PERFORMANCE MEASUREMENTS

| Performance <br> Indicator | Unit of <br> Measure | Actual <br> FY2015 | Actual <br> FY2016 | Actual <br> FY2017 | Estimated <br> FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Aging Infrastructure <br> Replacement | Linear feet | 1,300 | 1,561 | 1,500 | 800 |
| Volume of water treated | Million <br> gallons | 679 | 719 | 655 | 685 |
| Water/Sewer Liens | Number | 252 | 251 | 258 | 254 |

## Water Main Work

- Installed 1,000 linear feet of 12 " water main on Hale Street including customer connections and replaced a fire hydrant. Accomplished this by installing tees and valves to keep the existing water main live during installation of the new $12^{\prime \prime}$ water main
- Completed installation of 500 linear feet of 8 " water main on Finnegan Way including customer connections and addition of one fire hydrant. Replaced an existing hydrant as well as installation of two isolation valves
- Conducted semi-annual City-wide hydrant flushing of fire hydrants in both Newburyport and Newbury
- Completed over 1,400 Dig Safe mark outs requests (emergency requests from National Grid, State mandated requirements for any digging or excavating)
- Repaired 29 water main/service leaks


## Water Treatment Plant

- Purchased treatment chemicals through the Northeast Merrimack Valley/Consortium which allows for the lowest pricing based on the purchasing power of 54 members of the consortium
- Bathymetric studies were completed at the Upper Artichoke, Lower Artichoke and Indian Hill Reservoirs. The study confirmed:
o Current depths of the reservoirs and any changes
o Updated information on the sediment depths in the reservoirs
- An updated Safe Yield Study was completed and submitted to the City. The safe yield identified:
o Current reservoir calculated volumes
o Safe and firm yield volume calculations for the reservoir system which will aid in planning future City water requirements and reserve capacity management during drought conditions
- Treatment staff assisted MADEP with their reservoir water quality sampling program. MADEP is expected to provide the City with a detailed reservoir system report in the coming years
- Water and DPS staff assisted AECOM and Barrie Miller Well Drilling for the test well exploration and well testing program at the Evergreen Golf Course. The golf course was the last known area in the City to explore for additional well water supply. The findings included updates on the estimated water resource size for Well No. 2 and the most current water quality information. The report was presented to the Mayor, City Departments, Water \& Sewer Commission, City Council and the Planning Board
- Reconstructed the existing Water Treatment Plant sludge drying bed for better dewatering operations. These beds are used to dewater the lagoon sludge several times per year. Proper drying bed operation allows:
o Maximizing sludge removal per pumping operation
o Maximum sludge storage between seasons
o Maintaining EPA compliance through maximum lagoon capacity


## Engineering

- The Engineering Division and Water Construction crew performed a number of design projects to improve our City's infrastructure, including the Plum Island Hydrant Replacement Project. Construction began on this project in calendar year 2017 and will continue into summer of 2018. The work includes replacing 145 fire hydrants and the installation of 63 isolation valves on Plum Island. The division is responsible for project coordination between the contractor and City personnel and the division also manages daily construction operations and public relations.
- Engineering played a vital role in and attended multiple task force group meetings and workshops for the City's Climate Change Resiliency Committee. Both groups are preparing Resiliency Plans to assist Newburyport and the Great Marsh communities in dealing with impacts from climate change, including impacts to our public water supply, water treatment facility, and distribution system.


## Business Office

- Business Office continued to assist customers with timely and accurate water/sewer bills, as well as, prompt and professional response to customer concerns. The number of customers receiving ebills rather than paper bills continues to increase.


## FY2019 TRENDS

Managing reservoir levels and conserving water will continue to be a primary area of focus. The Water Division will continue to maintain and preserve our water sources as well as our infrastructure to maintain clean and safe drinking water.

The Water Construction Crew will continue to perform preventative maintenance such as flushing, exercising valves, and reinstallation of service main valves throughout the distribution system. Given the age of certain areas of the system, routine capital investments will be needed to maintain and improve the vast network of water mains throughout Newburyport and Newbury.

Engineering will continue to provide technical assistance, design, and construction oversight on waterrelated projects.

The Water/Sewer Business Office will continue to manage over 8,000 customer accounts, actively pursue the collection of unpaid bills, prepare rate analysis, and develop and monitor budgets.

GOAL 1: REPLACE AGING WATER MAIN

## Objectives:

- Replace mains in conjunction with the roadway five-year paving plan
- Prioritize main replacements in segments that improve water quality and service

GOAL 2: CONTINUE DOWNTOWN WATER/SEWER/DRAINAGE UTILITY UPGRADE PROJECT

## Objectives:

- Continue to find short-term low cost fixes to relieve flooding in the downtown
- Continue to work on master plan that includes design of a replacement drainage system that will be incorporated within the sewer and water replacement master plan
- Complete preliminary study by working closely with other divisions of DPS and public utility companies

GOAL 3: CONTINUE TO MEET THE REQUIREMENTS OF THE FEDERAL AND STATE WATER TREATMENT PERMITS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) WATER MANAGEMENT ACT DIVISION

## Objectives:

- Provide safe and reliable drinking water
- Experience no permit violations
- Work with MADEP on the new Water Management Act withdrawal limits


## GOAL 4: PREPARE GIS MAP AND MOBILE APP OF WATER DISTRIBUTION SYSTEM

## Objectives:

- The primary goal of this project is mapping the location of key components in the system so they may be located during emergency situations and also show detailed information regarding the connections between properties. Most importantly, this program will reduce the operator's time locating the components of the system and as a result, allow us to conduct a timelier repair. The goal is to have $25 \%$ of the distribution system mapped during FY2019.


## GOAL 5: METER REPLACEMENT PROGRAM

## Objectives:

- Start design and implement of a multi-year Citywide Meter Replacement Program. This improvement will upgrade software, make meter reading faster and easier and produce real-time customer data. Our goal is to replace $25 \%$ of all meters within the next two years.


## GOAL 6: PREPARE CLIMATE CHANGE RESILIENCY PLAN

## Objectives:

- Bartlett Spring Pond, Lower Artichoke Reservoir Dam, and the Artichoke Pumping Station are vulnerable to flooding, storm surge, rising seas, and floodwaters from Merrimack River. Preparations must be made to protect these systems from flood damage especially in light of climate change impacts which bring more intense storms. The goal is to hire a firm to evaluate our water supply and distribution assets and prepare a Resiliency Plan highlighting the various means of protection.


## PROGRAM \& SERVICES



- Provide safe and reliable water treatment
- Meet all State and Federal drinking water standards
- Work within the WMA withdrawal limits
- Manage water supply areas
- Maintain equipment at the WTP
- Maintain 2 well stations and 5 pumping stations
- Maintain 2 water storage tanks


## Distribution

-Maintenance and repair of 120 miles of water mains - Maintenance and repair of 942 hydrants City wide

- 24 hour response to customer issues
- Computerized meter reading City wide for City of Newburyport and the Town of Newbury


## Administration/ Billing

- Manage over 8,000 customer accounts
- Actively pursue the collection of unpaid balances
- Manage customer service inquires and work orders
-Process Monthly Billing to Customers within Billing Cycle
-Review and Sign Off on Building Permits
- Provide Budgets, Rate Analysis, Abatement requests and reports to Water and Sewer Commission


## Engineering

-Technical assistance to resolve problems and provide solutions.
-Design water main replacement projects.
-Review of waterrelated design and construction projects.
-Construction oversight
-Participate in the creation of a Resiliency Plan to protect the City's water supply.

WATER ENTERPRISE FUND (060-450)

|  | FY2016 <br> ACTUAL | FY2017 <br> ACTUAL | FY2018 <br> BUDGET | FY2019 <br> PROPOSED | $\mathbf{\$}$ <br> CHANGE |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{0 0 1}$ - PERSONNEL SERVICES |  |  |  |  |  |
| CHANGE |  |  |  |  |  |

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City of Newburyport | Fiscal Year 2019 Budget
(Continued from Previous Page)

|  | $\begin{aligned} & \text { FY2016 } \\ & \text { ACTUAL } \end{aligned}$ | $\begin{gathered} \text { FY2017 } \\ \text { ACTUAL } \end{gathered}$ | $\begin{gathered} \text { FY2018 } \\ \text { BUDGET } \end{gathered}$ | FY2019 PROPOSED | \$ <br> CHANGE | \% CHANGE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53031 - WAT TEST-SURFACE WAT SAMPLING | 5,973 | 14,393 | 7,500 | 7,500 | 0 | 0.0\% |
| 53032 - WAT WATER TEST | 17,204 | 18,861 | 27,954 | 39,054 | 11,100 | 39.7\% |
| 53402 - WAT TELECOMMUNICATNS | 10,452 | 10,689 | 10,620 | 10,620 | 0 | 0.0\% |
| 53780 - WAT PAYMT IN LIEU TAXES | 5,667 | 5,720 | 8,500 | 8,500 | 0 | 0.0\% |
| 002 - PURCHASE OF SERVICES Total | 726,045 | 748,111 | 887,251 | 898,351 | 11,100 | 1.3\% |
|  |  |  |  |  |  |  |
| 004-SUPPLIES |  |  |  |  |  |  |
| 54201 - WAT GENERAL OFC EXP | 16,472 | 19,035 | 18,750 | 18,750 | 0 | 0.0\% |
| 54301 - WAT CONSERVATION | 5,000 | 3,460 | 5,000 | 5,000 | 0 | 0.0\% |
| 54302 - WAT CHEMICALS | 116,782 | 145,374 | 125,000 | 125,000 | 0 | 0.0\% |
| 54303 - WAT CONSUMER REPORT | 8,098 | 8,629 | 8,000 | 8,000 | 0 | 0.0\% |
| 54801 - WAT FUEL/OIL VEHICLE(S) | 13,392 | 27,515 | 27,172 | 26,870 | (301) | -1.1\% |
| 55800 - WAT MISC SUPPLIES | 1,239 | 1,015 | 2,225 | 2,225 | 0 | 0.0\% |
| 004 - SUPPLIES Total | 160,982 | 205,027 | 186,147 | 185,845 | (301) | -0.2\% |
|  |  |  |  |  |  |  |
| 007- OTHER CHARGES \& EXPENSES |  |  |  |  |  |  |
| 57100 - WAT TRAINING/TRAVEL | 22,179 | 14,533 | 24,500 | 24,500 | 0 | 0.0\% |
| 57301 - WAT SDWA | 5,537 | 5,446 | 6,107 | 6,107 | 0 | 0.0\% |
| 57401 - WAT MUNICIPALINSURANCE | 52,163 | 57,379 | 63,117 | 75,500 | 12,383 | 19.6\% |
| 57407 - WAT EDUCATION CREDIT | 1,125 | 0 | 0 | 0 | 0 |  |
| 57800 - WTR LEGAL SETTLEMENT | 0 | 114,500 | 0 | 0 | 0 |  |
| 007 - OTHER CHARGES \& EXPENSES Total | 81,004 | 191,859 | 93,724 | 106,107 | 12,383 | 13.2\% |
|  |  |  |  |  |  |  |
| 008-CAPITAL OUTLAY |  |  |  |  |  |  |
| 58310 - WAT G.I.S. | 18,563 | 6,997 | 10,000 | 10,000 | 0 | 0.0\% |
| 58401 - WAT SECURITY FENCE/WELLS | (425) | 0 | 0 | 0 | 0 |  |
| 58513 - WAT WTR MAIN REPLAC PROGRAM | 87,953 | 100,239 | 100,000 | 100,000 | 0 | 0.0\% |
| 58536 - WAT DPS BLDG EQUIP/FURNITURE | 15,000 | 0 | 0 | 0 | 0 |  |
| 58550 - WAT VEHICLE/EQUIP REPLACE | 40,000 | 28,311 | 51,000 | 130,000 | 79,000 | 154.9\% |
| 008-CAPITAL OUTLAY Total | 161,091 | 135,547 | 161,000 | 240,000 | 79,000 | 49.1\% |
|  |  |  |  |  |  |  |
| 009- DEBT SERVICE |  |  |  |  |  |  |
| 59100 - WAT DEBT PRINCIPAL | 1,352,589 | 1,400,008 | 1,244,494 | 1,396,401 | 151,906 | 12.2\% |
| 59150 - WAT DEBT INTEREST | 476,952 | 442,614 | 441,244 | 457,738 | 16,495 | 3.7\% |
| 009 - DEBT SERVICE Total | 1,829,541 | 1,842,622 | 1,685,738 | 1,854,139 | 168,401 | 10.0\% |
|  |  |  |  |  |  |  |
| Grand Total | 4,788,103 | 5,052,725 | 5,107,870 | 5,460,014 | 352,144 | 6.9\% |

## DEPARTMENT OF PUBLIC SERVICES: SEWER DIVISION

## MISSION STATEMENT

The mission of the Department of Public Services Sewer Division is to provide quality and efficient wastewater collection, operation and treatment services to all customers as well as to maintain the related infrastructure in a cost effective and environmentally sensitive manner for the short and long term-benefit of our customers and the environment.

ORGANIZATIONAL OVERVIEW


| Position | FY2017 <br> Actual | FY2018 <br> Actual | FY2019 <br> Budgeted |
| :--- | :---: | :---: | :---: |
| Public Service Director | 0.33 | 0.33 | 0.33 |
| Public Service Deputy Director | 0.33 | 0.33 | 0.33 |
| City Engineer | 0.33 | 0.33 | 0.33 |
| Business Manager | 0.33 | 0.33 | 0.33 |
| Business office Manager | 0.5 | 0.5 | 0.5 |
| Administrative Assistant | 0.5 | 0.5 | 0.5 |
| Assistant Engineer | 0.33 | 0.33 | 0.33 |
| Data Entry Clerk I | 0.5 | 0.5 | 0.5 |
| Chief Operator | 1.0 | 1.0 | 1.0 |
| Assistant Chief Operator | 1.0 | 1.0 | 1.0 |
| Pretreatment Coordinator | 1.0 | 1.0 | 1.0 |
| Senior Maintenance Forman | 1.0 | 1.0 | 1.0 |
| Collection System Superintendent | 1.0 | 1.0 | 1.0 |
| Lab Chemist | 1.0 | 1.0 | 1.0 |
| Operator Grade IV | 3.0 | 3.0 | 3.0 |
| Maint/Prevent Maintenance | 1.0 | 1.0 | 1.0 |
| Mechanic |  |  |  |
| Pump Station Operator/Mechanic | 2.0 | 2.0 | 2.0 |
| Sewer Line Maintenance Operator | 2.0 | 2.0 | 2.0 |
| Plum Island Operator | 2.0 | 2.0 | 2.0 |
| Meter Reader | 0.3 | 0.3 | 0.3 |
| Total Full Time-Equivalents | $\mathbf{1 9 . 5}$ | $\mathbf{1 9 . 5}$ | $\mathbf{1 9 . 5}$ |

PERFORMANCE MEASUREMENTS

| Performance Indicator | Unit of Measure | Actual <br> FY2015 | Actual FY2016 | Actual FY2017 | Estimated FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| LF of sewer main cleaned yearly | Linear Feet | 113,044 | 185,678 | 150,665 | 160,000 |
| Response to issues, alarms and sewer calls/WWTF/lift station Number of calls FY2016 are higher due to new call tracking process / procedure | Calls | 75 | *100 | 65 | TBD |
| FOG Program/Compliance Number of business with grease traps. Newbury/Newburyport | Per establishment | N/A | N/A | N/A | $\begin{gathered} * * 85 \\ \text { Inspected } \end{gathered}$ |
| Plum Island Vacuum System alarms and sewer calls | Calls | PI Failure | 45 | 60 | TBD |
| Odor Complaints | Calls | >25 | >25 | 3 | 0 |
| Wastewater treated | Gallons/ millions | 554 | 563 | 647 | 615 |
| Biosolids for composting | Metric Tons |  | 687 | 596 | 642 |
| Oxygen Consuming Material removed from Wastewater | Pounds/ <br> Million | 1.5 | 1.6 | 1.1 | 1.5 |
| Water/Sewer Liens | Number | 252 | 251 | 258 | 254 |

*New tracking method.
**140 establishments with grease traps that will be inspected for the FOG program.

## FY2018 ACCOMPLISHMENTS

## Fats Oil and Grease (FOG) Program

- Initiated Fats Oil and Grease (FOG) inspection procedure to help with the ongoing grease issue the City is currently facing:
o Created a FOG app for Sewer and BOH to use during inspection, bringing the total number of mobile apps in use to three
o Held three day workshop/PowerPoint presentation to all industries in the City regarding the FOG program. Very well received
o Working to reduce amount of grease entering the system throughout the City, conducting unannounced inspections on a regular basis making sure the Fog, Fats, Oil, Grease (FOG) program is followed
o Continue to educate public on what not to flush - posted on Sewer Division web site as Keeping Sewer Pipes Clean!
o CCTV continues throughout the City's collection system in order to evaluate/ replace/ and repair any issue/ defects as needed. Also, CCTV helps locate FOG issues before backups occur


## Collections

- O\&M continues to be high priority regarding Plum Island:
o Completed alarm install on Plum Island
o Completion of the state of the art mobile app
- Construction started/ongoing with new Graf lift station; estimated time of completion fall 2018
- Conducted proper O\&M repair and preventative maintenance to Wastewater Treatment Facility and collection system:
o Cleaned approximately 150,665 linear feet of sewer main
o Cleaned 16 lift station wet wells twice per year per station
o Manhole repair throughout the City in an effort to reduce Inflow/Infiltration (I/I) repairs consists of replacing frames and covers, resurfacing inside of the MH with cement (hydraulic cement), sealing joints between inlet and invert
- Including sewer main replacement on Dawes, 700 LF of 6" clay was replaced with 700' of 6" PVC
- Responded and repaired as needed all sewer issues to help prevent Sanitary Sewer Overflow (SSO)


## Odor Control

- Continue working with Environmental Partners Group on solutions to reduce odors by completing installation of the new biofilter system at the Waste Water Treatment Facility (WWTF)
- Continue working on reduction of Nitrogen; at this juncture our NPDES permit does not address nitrogen limits but all indications are that this will be required in the future and we are ramping up to address a reduction


## Operations

- Sludge quality continues to be of exceptional quality to compost
- Continued Safety Training and Spill Prevention and Counter Measures Plan trainings in-house for all personnel
- Continued to provide quality customer service
- No major Industrial Pretreatment (IPP) violations


## Engineering

- The Engineering department worked with legal counsel to obtain all the necessary temporary and permanent easements to construct and maintain a new access road to the West End Sewer Main that runs along the Lower Artichoke Reservoir. They also finalized the design obtained an Order of Conditions from the Conservation Commission, and awarded the construction bid. Construction will begin spring 2018.


## FY2019 TRENDS

The focus of the Sewer Department operations and collections will continue to operate the entire sewer system in the most efficient way using Supervisory Control and Data Acquisition (SCADA). SCADA software allows operators to see real time operations, rather than receiving an alarm after it's too late. The Sewer Department is also using SCADA type system at lift stations called Mission. The technology
of these two systems allows the Sewer Department to continue to maintain the wastewater infrastructure at optimal levels. Staff will continue to learn new techniques on solving issues that may arise, including navigating and operating the newly installed SCADA alarm implemented.

Will continue to focus on Inflow/Infiltration (I/I) reduction by responding and repairing any sewer issues discovered during routine cleaning or CCTV work inspections.

The NPDES permit continues to have significant impact on the Newburyport Sewer Division. Efforts continue to be made to coordinate the use of existing resources to maximize the benefits for the entire community while tracking costs to assure compliance with the Enterprise Fund requirements.

Engineering will manage the construction of the West End Sewer Main Access Road Process through FY2018 and into FY2019.

The Water/Sewer Business Office will continue to manage over 8,000 customer accounts, actively pursue the collection of unpaid bills, prepare rate analysis, and develop and monitor budgets.

## FY2019 GOALS \& OBJECTIVES

GOAL 1: PROVIDE PROPER OPERATIONS AND MAINTENANCE SERVICES TO OUR CUSTOMERS; CONTINUE WORKING TO ENSURE PROPER OPERATIONS OF THE COLLECTION SYSTEM, VACUUM SYSTEM AND WWTF

## Objectives:

- Maintain the Wastewater Treatment Facility (WWTF); lift stations, sewer mains, and Plum Island with minimal disruption to our customers
- Respond, repair, and maintain all sewer issues that may occur at the WWTF, lift stations, Plum Island, and sewer mains throughout the City in a timely manner
- Continue to improve health and safety issues for our employees
- Reduce Inflow and Infiltration (I/I) throughout the City and institute a flowmeter program
- Prevent Sanitary Sewer Overflow (SSO) through constant communication and education
- Continue to educate public on what not to flush; see "Keeping Clean Sewer Pipes" on the City's web site
- Maintain as one of our highest priorities, to reduce odor
- Optimization of new biofilter and associated components

GOAL 2: CONTINUE TO OPERATE THE WWTF UNDER THE REQUIREMENTS OF THE NPDES PERMIT AT THE HIGHEST LEVEL INCLUDED MAXIMUM POLLUTANT LIMITS A MINIMUM PERCENT REMOVAL

## Objectives:

- Meet permit limits and provide quality wastewater discharge
- Reduction in Nitrogen limits
- Completion of the anoxic zone
- Prepare to enter into a new NDPES permit with DEP
- Conduct facility plant and process evaluation and engineering based needs assessment
- Develop and implement Treatment plant and collection system corrosion control strategy


## GOAL 3: FATS OIL AND GREASE (FOG) PROGRAM

## Objective:

- Keeping gravity mains free and clear from grease and debris, preventing SSO activity from occurring
- Continue fighting the grease issue the City is currently facing, as stated above, currently creating a mobile app which will be use in the field during inspection by Sewer personnel as well as the BOH, the intent of the app is to have multiple different departments using the same app to track the issues regarding grease/ traps/cleaning/etc.
- The mobile app will be a tremendous help in finding the cause/ help with reduction and elimination of the grease issue
- Continue to CCTV sewer mains for grease issues throughout the City
- Holding individuals accountable for actions from their respected industries
- Continue working to reduce amount of grease entering the system throughout the City, conducting unannounced inspections on a regular basis making sure the FOG program is followed


## GOAL 4: COLLECTION SYSTEM

## Objectives:

- Maintain all pump stations throughout the City with the highest standards
- Perform O\&M on all sewer mains throughout the City, Keeping mains free and clear, preventing SSO activity from occurring
- Continue fighting the grease issue the City is currently facing, as stated above, currently creating a mobile app which will be use in the field during inspection by Sewer operators as well as the BOH, the intent of the app is to have multiple different departments using the same app to track the issues regarding grease/ traps/cleaning/etc.
- The mobile app will be a tremendous help in finding the cause/help with reduction and elimination of the grease issue while holding individuals accountable for actions from their respected industries

GOAL 5: PLUM ISLAND VACUUM SYSTEM

## Objectives:

- Continue O\&M on all valve pits/and pump station on Plum Island
- Continue on developing ways to help operate the system in the cold months
- Install new idea on how to remove frozen valves in a timely manner

GOAL 6: DOWNTOWN WATER/SEWER/DRAIN UTILITY UPGRADES PROJECT

## Objectives:

- Continue to find short-term low cost fixes to relieve flooding in the downtown
- Continue to work on master plan that includes design of a replacement drainage system that will be incorporated within the sewer and water replacement master plan
- Complete preliminary study by working closely with other divisions of DPS and public utility companies


## GOAL 7: PREPARE CLIMATE CHANGE RESILIENCY PLAN

## Objectives:

- The Waste Water Treatment Facility and many of the City's sewer pumping stations are vulnerable to flooding, storm surge, and rising seas; preparations must be made to protect the facility from flood damage especially in light of climate change impacts which bring more intense storms
- Hire a firm to evaluate our WWTF and pumping stations and prepare a Resiliency Plan highlighting the various means of protection in collaboration with the City's Resiliency ad hoc team


## Treatment

- Provide quality and efficient treatment for wastewater to be discharged to Merrimac River.
- Meet the requirements for the NPDES permit.
- Submit yearly reports to the DEP/EPA.
- Maintain proper operations of the WWTF.
- Complete phase two odor control project WWTF upgrade.
- $24 / 7$ on call personnel to respond to all calls during and after hours at the WWTF.


## Collection

- Maintenance of 16 pump stations including Plum Island.
- Clean and maintain 75 miles of gravity sewer mains.
- 24 hour response to customer issues.
- Video sewer mains for the reduction of (II) Inflow/Infiltration for NPDES permit requirements.
- O\&M on sewer mains and lift stations to reduce sewer SSO.


## Administration/ Billing

- Manage over 8,000 customer accounts.
- Actively pursue the collection of unpaid balances.
- Manage customer service inquiries and work orders
- Process Monthly Billing to Customers within Billing Cycle.
- Review and sign off on Building Permits
- Provide Budgets,Rate Analysis, Abatement requests and reports to Water and Sewer Commission


## Engineering

- Technical assistance to resolve problems and provide solutions.
- Design access roads and sewer main replacements.
- Review of sewer rehabilitiation and replacement projects.
- Project management of sewer design projects.
- Construction oversight.


## SEWER ENTERPRISE FUND (061-440)

|  | FY2016 <br> ACTUAL | FY2017 ACTUAL | FY2018 BUDGET | FY2019 PROPOSED | \$ <br> CHANGE | \% CHANGE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 001 - PERSONNEL SERVICES |  |  |  |  |  |  |
| 51101 - DPS SAL DIRECTOR | 37,704 | 39,189 | 39,762 | 40,557 | 795 | 2.0\% |
| 51102 - DPS SAL DEPUTY DIRECTOR | 32,049 | 31,839 | 33,895 | 33,895 | 0 | 0.0\% |
| 51103 - DPS SAL BUSINESS MANAGER | 23,762 | 22,046 | 22,880 | 23,338 | 458 | 2.0\% |
| 51116-SEW SAL CHIEF OPERATOR | 75,316 | 79,346 | 96,900 | 96,900 | 0 | 0.0\% |
| 51117 - DPS SALASST ENGINEER | 15,948 | 20,314 | 20,641 | 20,641 | 0 | 0.0\% |
| 51119 - DPS SALCITY ENGINEER | 30,515 | 30,200 | 30,686 | 30,686 | 0 | 0.0\% |
| 51122 - SEW SAL SUPT OF COLLECTIONS | 85,399 | 84,517 | 85,876 | 85,876 | 0 | 0.0\% |
| 51131 - DPS SAL ADMIN ASSISTANT | 21,608 | 19,064 | 23,079 | 24,012 | 933 | 4.0\% |
| 51132 - DPS SAL ADMIN OFFICE MGR | 29,475 | 24,576 | 26,490 | 25,462 | $(1,028)$ | -3.9\% |
| 51158 - SEW SALLABOR | 767,003 | 815,245 | 848,137 | 870,904 | 22,767 | 2.7\% |
| 51190-SEW SALSUMMER EMPLOYEES | 10,873 | 7,890 | 21,600 | 21,600 | 0 | 0.0\% |
| 51301-SEW OVERTIME | 158,268 | 202,714 | 196,724 | 201,839 | 5,115 | 2.6\% |
| 51401-SEW LONGEVITY | 13,061 | 6,202 | 6,378 | 6,378 | 0 | 0.0\% |
| 51402 - SEW LICENSE STIPENDS | 0 | 500 | 5,600 | 9,600 | 4,000 | 71.4\% |
| 51405 - SEW CLOTHING REIMBURSEMENT | 10,603 | 12,309 | 12,143 | 12,143 | 0 | 0.0\% |
| 51420 - SEW EDUCATION CREDITS | 850 | 850 | 850 | 850 | 0 | 0.0\% |
| 51422 - SEW EDUCATION | 4,539 | 0 | 0 | 0 | 0 |  |
| 51710-SEW RETIREMENTS/SICK LEAVE | 44,637 | 41,909 | 0 | 10,120 | 10,120 |  |
| 51711-SEW RETIREMENT SYSTEM | 283,666 | 281,482 | 309,292 | 333,756 | 24,463 | 7.9\% |
| 51750-SEW WORKERS COMP INS | 22,997 | 25,296 | 30,862 | 33,948 | 3,087 | 10.0\% |
| 51760-SEW HEALTH INSURANCE | 293,610 | 319,850 | 395,928 | 414,932 | 19,005 | 4.8\% |
| 51770 - SEW FICA PAYROLL TAXES | 13,010 | 16,155 | 19,333 | 19,836 | 503 | 2.6\% |
| 001 - PERSONNEL SERVICES Total | 1,974,894 | 2,081,494 | 2,227,056 | 2,317,272 | 90,216 | 4.1\% |
|  |  |  |  |  |  |  |
| 002 - PURCHASE OF SERVICES |  |  |  |  |  |  |
| 52101-SEW HEAT | 33,103 | 21,118 | 37,000 | 37,000 | 0 | 0.0\% |
| 52102 - SEW ELECTRICITY | 292,194 | 425,980 | 356,326 | 356,326 | 0 | 0.0\% |
| 52401-SEW IT EXPENSE | 30,484 | 64,817 | 46,092 | 49,567 | 3,475 | 7.5\% |
| 52402 - SEW MAINT-GENERAL | 31,593 | 39,417 | 36,350 | 36,350 | 0 | 0.0\% |
| 52403 - SEW MAINT-VEHICLES | 22,089 | 24,350 | 27,000 | 27,000 | 0 | 0.0\% |
| 52405 - SWR MAINT-PLUM ISLAND | 0 | 0 | 0 | 20,000 | 20,000 |  |
| 52406 - SEW MAINT-EQUIPMENT | 111,723 | 171,667 | 109,204 | 110,704 | 1,500 | 1.4\% |
| 52407 - SEW UNIFORM/SAFETY EQUIPMENT | 15,034 | 18,979 | 15,136 | 15,136 | 0 | 0.0\% |
| 52408 - SEW MAINT-SEWER LINE | 63,458 | 33,533 | 90,000 | 73,850 | $(16,150)$ | -17.9\% |
| 52409-SEW MAINT-DRAINS | 57,210 | 39,000 | 39,000 | 39,000 | 0 | 0.0\% |
| 53001 - SEW FINANCIALAUDIT | 6,825 | 7,166 | 7,883 | 7,883 | 0 | 0.0\% |
| 53020-SEW LEGAL EXPENSES | 20,492 | 21,452 | 50,000 | 50,000 | 0 | 0.0\% |
| 53024-SEW BOND/NOTE EXP | 41,174 | 37,650 | 37,650 | 37,650 | 0 | 0.0\% |
| 53026-SEW POLICE DETAILS | 4,700 | 2,707 | 10,000 | 10,000 | 0 | 0.0\% |
| 53028 - SEW MEDICAL/DRUG TESTING | 4,151 | 5,379 | 4,500 | 4,500 | 0 | 0.0\% |
| 53030-SEW CONSULTANT FEES | 97,161 | 57,914 | 75,000 | 75,000 | 0 | 0.0\% |

(Continued from Previous Page)

|  | FY2016 ACTUAL | FY2017 ACTUAL | FY2018 BUDGET | FY2019 PROPOSED | $\begin{gathered} \$ \\ \text { CHANGE } \end{gathered}$ | \% CHANGE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53035-SEW INDUSTRIAL PRETREATMENT | 10,919 | 10,256 | 14,550 | 14,550 | 0 | 0.0\% |
| 53040-SEW BIOSOLIDS DISPOSAL | 267,180 | 261,519 | 325,140 | 267,002 | $(58,138)$ | -17.9\% |
| 53050-SEW VENDOR LAB TESTING | 14,547 | 12,221 | 19,350 | 19,350 | 0 | 0.0\% |
| 53402 - SEW TELECOMMUNICATNS | 21,610 | 21,256 | 26,740 | 26,740 | 0 | 0.0\% |
| 002 - PURCHASE OF SERVICES Total | 1,145,647 | 1,276,381 | 1,326,920 | 1,277,607 | $(49,313)$ | -3.7\% |
|  |  |  |  |  |  |  |
| 004-SUPPLIES |  |  |  |  |  |  |
| 54201-SEW GENERAL OFC EXP | 17,599 | 30,029 | 18,500 | 18,500 | 0 | 0.0\% |
| 54302-SEW PLANT CHEMICALS | 179,774 | 180,724 | 243,060 | 333,060 | 90,000 | 37.0\% |
| 54303 - SEW LAB CHEM/EQUIP/SUPPLIES | 9,531 | 18,683 | 13,750 | 13,750 | 0 | 0.0\% |
| 54310-SEW HOSE | 0 | 404 | 3,850 | 0 | $(3,850)$ | -100.0\% |
| 54801 - SEW FUEL/OIL VEHICLE(S) | 22,226 | 33,996 | 30,018 | 30,018 | 0 | 0.0\% |
| 54802 - SEW LUBRICANTS | 0 | 4,651 | 5,000 | 5,000 | 0 | 0.0\% |
| 55800 - SEW MISC SUPPLIES | 234 | 573 | 1,800 | 1,800 | 0 | 0.0\% |
| 004 - SUPPLIES Total | 229,365 | 269,059 | 315,978 | 402,128 | 86,150 | 27.3\% |
|  |  |  |  |  |  |  |
| 007-OTHER CHARGES \& EXPENSES |  |  |  |  |  |  |
| 57100-SEW TRAINING/TRAVEL | 0 | 10,301 | 17,800 | 17,800 | 0 | 0.0\% |
| 57300-SEW DUES/LIC/SUBSCRIPTIONS | 1,169 | 471 | 1,350 | 1,350 | 0 | 0.0\% |
| 57401-SEW MUNICIPAL INSURANCE | 49,773 | 185,515 | 60,225 | 72,171 | 11,946 | 19.8\% |
| 007-OTHER CHARGES \& EXPENSES Total | 50,942 | 196,287 | 79,375 | 91,321 | 11,946 | 15.0\% |
|  |  |  |  |  |  |  |
| 008-CAPITAL OUTLAY |  |  |  |  |  |  |
| 58310-SEW G.I.S. | 8,993 | 10,861 | 10,000 | 10,000 | 0 | 0.0\% |
| 58330 - SEW I/I REHABILITATION | 99,217 | 37,070 | 100,000 | 100,000 | 0 | 0.0\% |
| 58361-SEW REPAIR LIFT STATIONS | 131,467 | 119,256 | 150,000 | 150,000 | 0 | 0.0\% |
| 58362 - SEW EFFLUENT SAMPLER | 5,881 | 6,786 | 6,000 | 6,000 | 0 | 0.0\% |
| 58536-SEW DPS BLDG EQUIP/FURNITURE | 15,000 | 0 | 0 | 0 | 0 |  |
| 58550 - SEW VEHICLE/EQUIP REPLACE | 0 | 0 | 9,000 | 5,000 | $(4,000)$ | -44.4\% |
| 008 - CAPITAL OUTLAY Total | 260,557 | 173,973 | 275,000 | 271,000 | $(4,000)$ | -1.5\% |
|  |  |  |  |  |  |  |
| 009- DEBT SERVICE |  |  |  |  |  |  |
| 59100 - SEW DEBT PRINCIPAL | 1,525,110 | 1,444,430 | 1,862,984 | 2,006,272 | 143,289 | 7.7\% |
| 59150-SEW DEBT INTEREST | 691,430 | 785,845 | 948,591 | 995,608 | 47,017 | 5.0\% |
| 59250-SEW INT TEMP LOAN | 0 | 0 | 24,750 | 32,684 | 7,934 | 32.1\% |
| 009 - DEBT SERVICE Total | 2,216,540 | 2,230,275 | 2,836,325 | 3,034,564 | 198,239 | 7.0\% |
|  |  |  |  |  |  |  |
| Grand Total | 5,877,944 | 6,227,469 | 7,060,654 | 7,393,893 | 333,239 | 4.7\% |

## HARBORMASTER

## MISSION STATEMENT

The Harbormaster Department is responsible for all the navigable water ways, Cashman Park boat ramp, docks along the central water front, Plum Island parking lot, Transient Boaters Facility, Public Restrooms and Life Guards in the City of Newburyport. Among the duties and tasks of the department are to insure the safety and property of the citizens and to aid and assist boaters, bathers and any other users of our waterways in the time of need.

The department responds to all calls for assistance from other agencies such as the Coast Guard, police, Fire, Environmental Police and other neighboring communities. The Harbormaster also assists the Health Department in collecting water samples for their testing requirements to ensure safe water for the bathers and fisherman. The Harbormaster Department is an ambassador on the water for the City and we help, direct and assist new boaters to the City on safety issues and keep them abreast of conditions and where to keep their vessels.

ORGANIZATIONAL OVERVIEW

*Harbormaster is the only year-round full-time employee.

PERFORMANCE MEASUREMENTS

| Performance <br> Indicator | Unit of <br> Measure | Actual <br> FY2015 | Actual <br> FY2016 | Actual <br> FY2017 | Estimated <br> FY2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Waterway Permits | $\#$ | 1,477 | 1,491 | 1495 | 1500 |
| Mooring Permits | $\#$ | 176 | 196 | 186 | 200 |
| Dingy Permits | $\#$ | 36 | 41 | 43 | 50 |
| Cashman Park Annual Parking <br> Permits | $\#$ | 70 | 72 | 75 | 75 |

## FY2018 ACCOMPLISHMENTS

- Received occupancy permit for New Harbormaster Transient Boaters facility and Public Restrooms. Operated and maintained for the first season with no major issues and had lots of positive feedback
- Continued increased training of our Lifeguards and, Assistant Harbormasters which resulted in many lifesaving rescues
- Hosted a one week NASBLA accredited boating course on Boat operations and crewman that got us nationally certified as Boat Crew Man
- Continued to provided safety training and special procedure training to the Whittier bridge project employees and workers, which again resulted in several successful rescues with minimal injury
- Increased training with enhanced relationship with the Police and Fire departments and the Coast Guard. Imposed a interdepartmental mutual aid with Salisbury and Amesbury Harbormasters
- Assisted the Maritime museum with the very successful visit of the tall ships for Maritime Days' bringing thousands of tourists to the City by boat and land; and support Yankee Homecoming and River fest


## FY2019 TRENDS

The weather plays a significant factor in revenues and activities associated with the Harbormasters Department. FY 2018 is expected to be a busy recreational boating season with more boats traveling and more visitors to the City of Newburyport based upon the low cost of fuel and the additional amenities our City now provides with the new facility. The local marinas are expected to be at over ninety ( $90 \%$ ) percent capacity as more boats are being placed on our waterways.

The commercial boating industry, however, has been declining based upon many more regulations and restrictions that are being imposed on the fishing industry. On the positive side the Commercial Tuna fishing has had record quota caught and been extremely busy.

GOAL 1: PROMOTE NEWBURYPORT AS A BOATING DESTINATION

## Objectives:

- Work with the City, Harbor Commission and other stakeholders to develop a plan to promote Newburyport as a world-class boating destination through advertising, social media and events; Attract more transient boaters to our City now that we have more amenities to offer the boaters


## GOAL 2: ADDITONAL DREDGING OF THE RIVER

## Objectives:

- Work with the MRBA, Mayors Office and Army Corp of Engineers to continue and to expedite the dredging of the river and related areas for the safety of mariners and transient boaters


## GOAL 3: TALL SHIP VISIT

## Objectives:

- Work with the Maritime Museum, Harbor Commission and all other stake holders, bringing in another tall ship for our City

GOAL 4: IMPROVE ONLINE PERMITTING

## Objectives:

- Improve our online data base for online permit renewals

| Patrol Operations |
| :---: |
| - Reports directly to the Harbormaster <br> - Enforces all state and local boating laws |
| - Responds to any water or boating emergency within the waters of Newburyport |
| - Assist the Coast Guard and other communities along the waterways of Newburyport when asked |
| - Monitor all Newburyport vessels for current mooring and waterway permit stickers |
| - Give safety information and boating regulations |
| - Patrol Merrimac River |
| - Collect dock fees |
| - Help with flow of boats at Cashman Park |
| - Assist lifeguards with monitoring the beach and Plum Island Jetties |


| Pump Out Boat |
| :--- |
| Operations |
| - Pump out all boats |
| in Newburyport |
| when called upon |
| - Maintain a log for |
| amount of gallons |
| pumped out to |
| comply with state |
| grant |
| -Report to |
| Harbormaster on |
| any maintenance |
| issues or boat or |
| land based pump |
| station |
|  |


| Supervisors | Dockmaster, Parking Lot \& Boat Ramp Attendants |
| :---: | :---: |
| - Help with scheduling of all staff <br> - Assist with payroll <br> - Answer phones <br> - Oversee fee collections for accurate bookkeeping <br> - Daily financial reports <br> - Supervision of Lifeguards, Dock masters, Cashman Attendants <br> - Report discrepancies or maintenance issues to Harbormaster <br> - Maintain daily radio checks <br> - Make daily bank deposits | - Collect usage fees <br> - Assist boaters with proper tie up of vessels <br> - Keep boardwalk and City docks organized and clean <br> - Keep comfort station clean and full of toiletry supplies <br> -Responsible for cash bank and accurate account for all transactions |

## Lifeguards

- Enforce all beach regulations
- Maintain and keep the beach clean
- Give information about beach regulations, water and fishing conditions
- Report beach or water related violations to Harbormaster and Head Lifeguard
-Patrol beach
- Provide live saving and emergency response

HARBORMASTER ENTERPRISE FUND (6520-295)

|  | FY2016 ACTUAL | FY2017 ACTUAL | $\begin{aligned} & \text { FY2018 } \\ & \text { BUDGET } \end{aligned}$ | FY2019 PROPOSED | \$ <br> CHANGE | \% CHANGE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 001 - PERSONNEL SERVICES |  |  |  |  |  |  |
| 51101 - HBR SAL HARBORMASTER | 70,323 | 65,252 | 68,248 | 68,248 | 0 | 0.0\% |
| 51102 - HBR ASST HARBORMASTERS | 21,488 | 19,775 | 25,000 | 28,000 | 3,000 | 12.0\% |
| 51181 - HBR SUPPERVISORS | 15,216 | 20,539 | 20,000 | 22,000 | 2,000 | 10.0\% |
| 51183 - HBR LIFEGUARDS | 32,397 | 39,228 | 45,000 | 45,000 | 0 | 0.0\% |
| 51184-HBR ADMINISTRATIVE ASST | 5,805 | 6,726 | 8,000 | 9,000 | 1,000 | 12.5\% |
| 51185 - HBR CASHMAN PK ATTEND | 17,155 | 18,578 | 18,000 | 18,000 | 0 | 0.0\% |
| 51186-HBR DOCKMASTER | 7,198 | 8,399 | 10,000 | 10,000 | 0 | 0.0\% |
| 51187 - HBR PI PARKING LOT ATTEND | 8,428 | 13,298 | 12,000 | 12,000 | 0 | 0.0\% |
| 51188 - HBR SHELLFISH CONSTABLE | 2,586 | 2,510 | 2,500 | 2,500 | 0 | 0.0\% |
| 51740 - HBR RETIREMENT SYSTEM | 17,559 | 16,738 | 18,913 | 18,795 | (118) | -0.6\% |
| 51750 - HBR WORKERS COMP INS | 0 | 0 | 3,550 | 7,110 | 3,560 | 100.3\% |
| 51760 - HBR HEALTH INSURANCE | 21,899 | 23,359 | 29,528 | 30,945 | 1,417 | 4.8\% |
| 51770 - HBR FICA PAYROLL TAXES | 5,532 | 7,418 | 7,300 | 7,446 | 146 | 2.0\% |
| 001 - PERSONNEL SERVICES Total | 225,586 | 241,820 | 268,039 | 279,044 | 11,005 | 4.1\% |
|  |  |  |  |  |  |  |
| 002 - PURCHASE OF SERVICES |  |  |  |  |  |  |
| 52103 - HBR HEAT/ELECTRICITY | 2,397 | 4,062 | 12,000 | 10,000 | $(2,000)$ | -16.7\% |
| 52401 - HBR CASHMAN PARK | 1,844 | 6,528 | 2,500 | 2,500 | 0 | 0.0\% |
| 52405 - HBR IT EXPENSE | 2,535 | 4,368 | 4,500 | 4,500 | 0 | 0.0\% |
| 52410 - HBR FISH PIER | 87 | 398 | 500 | 500 | 0 | 0.0\% |
| 52420 - HBR MAINT/EQUIP BOAT | 3,367 | 2,666 | 4,000 | 4,000 | 0 | 0.0\% |
| 52430 - HBR INSTALL/REPAIR FLTS, DK | 6,733 | 4,414 | 7,000 | 5,500 | $(1,500)$ | -21.4\% |
| 52435 - HBR FACILITIES MAINT | 737 | 1,666 | 2,500 | 2,000 | (500) | -20.0\% |
| 52445 - HBR PLUM ISLAND EXP | 3,990 | 3,918 | 4,500 | 4,500 | 0 | 0.0\% |
| 52721 - HBR PUMPOUT MAINT | 110 | 3,000 | 3,000 | 3,000 | 0 | 0.0\% |
| 53001 - HBR FINANCIALAUDIT | 0 | 0 | 2,750 | 2,750 | 0 | 0.0\% |
| 53030 - HBR PRINTING \& SIGNS | 1,086 | 1,804 | 2,300 | 2,000 | (300) | -13.0\% |
| 53402 - HBR TELECOMMUNICATIONS | 1,998 | 2,425 | 2,500 | 3,000 | 500 | 20.0\% |
| 53406 - HBR POSTAGE MAILINGS | 2,682 | 1,790 | 2,000 | 3,000 | 1,000 | 50.0\% |
| 002 - PURCHASE OF SERVICES Total | 27,565 | 37,039 | 50,050 | 47,250 | $(2,800)$ | -5.6\% |

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|  | FY2016 ACTUAL | FY2017 ACTUAL | FY2018 BUDGET | FY2019 <br> PROPOSED | \$ CHANGE | \% CHANGE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 004-SUPPLIES |  |  |  |  |  |  |
| 54200 - HBR OFFICE SUPPLIES | 114 | 364 | 500 | 500 | 0 | 0.0\% |
| 54250 - HBR HARBOR COMMISSION EXP | 1,100 | 2,014 | 2,200 | 2,200 | 0 | 0.0\% |
| 54305 - HBR UNIFORM/SAFETY EQUIP | 2,034 | 2,008 | 2,500 | 2,500 | 0 | 0.0\% |
| 54801 - HBR FUEL/OIL BOATS | 10,935 | 12,159 | 12,000 | 12,000 | 0 | 0.0\% |
| 55800 - HBR MISC SUPPLIES | 674 | 1,450 | 1,500 | 1,500 | 0 | 0.0\% |
| 004-SUPPLIES Total | 14,856 | 17,995 | 18,700 | 18,700 | 0 | 0.0\% |
|  |  |  |  |  |  |  |
| 007-OTHER CHARGES \& EXPENSES |  |  |  |  |  |  |
| 57100 - HBR TRAINING/TRAVEL | 0 | 42 | 500 | 500 | 0 | 0.0\% |
| 57300 - HBR DUES/MEMBERSHIPS | 160 | 150 | 500 | 500 | 0 | 0.0\% |
| 57430 - HBR INSURANCE | 3,255 | 5,883 | 10,000 | 10,000 | 0 | 0.0\% |
| 007 - OTHER CHARGES \& EXPENSES Total | 3,415 | 6,075 | 11,000 | 11,000 | 0 | 0.0\% |
|  |  |  |  |  |  |  |
| 008-CAPITAL OUTLAY |  |  |  |  |  |  |
| 58500 - HBR ADDITIONAL EQUIPMENT | 23,052 | 49,508 | 50,000 | 50,000 | 0 | 0.0\% |
| 008-CAPITAL OUTLAY Total | 23,052 | 49,508 | 50,000 | 50,000 | 0 | 0.0\% |
|  |  |  |  |  |  |  |
| 009-DEBT SERVICE |  |  |  |  |  |  |
| 59100 - HBR DEBT SERVICE | 11,768 | 64,375 | 70,041 | 76,835 | 6,794 | 9.7\% |
| 009 - DEBT SERVICE Total | 11,768 | 64,375 | 70,041 | 76,835 | 6,794 | 9.7\% |
|  |  |  |  |  |  |  |
| Grand Total | 306,242 | 416,812 | 467,830 | 482,829 | 14,999 | 3.2\% |

