

## Advisory Board Minutes 3/2/2020

Name	Office	Present	Absent	Absent with notice
David Clinton	Chair	x		
Jay Polito	Vice Chair	x		
Jason Frady	Clerk	x		
Bob Carney		X		
Dan Sullivan		x		
Pat Cormier		x		
Peter Larsen		X		
Robyn Healey		X		
Steve Kiley		X		
Chad Wolfe		X		
Matt Mitchell		X		

Dave Clinton called the meeting to order at 7:00 p.m.

In attendance are Town Manager Phil Lemnios, from Sewer John Struzziery, Carol O'Connor, Brien Kiely, and from DPW Chris Gardener, Harbormaster and Shellfish Warden Kurt Bornheim, Fire Chief Russo, Deputy Fire Chief Frazier, Police Chief Dunn, and Deputy Chief Reilly.

DPW budget:

Jay Polito recuses himself from DPW budget discussion due to the possibility that a family member may apply for a summer position this year.

DPW will increase summer wages from \$12 to \$14 per hour to attract workers and stay ahead of MA minimum wage increase.

The DPW budget contains a line item for the "Other Property Services Landfill" of \$16,000 that is independent of the bond authorization request and work being done to close the landfill. Article 23 is a funding request for 2021-2022 for the work to study and close the landfill. The first 2-3 years are a study of the existing capped and uncapped areas to ensure there is no area of risk. A full breakdown of the budget to close the landfill is included as attachment 20200302-1.

In the future, disposal of seaweed etc. from the beach will add cost to the DPW budget.

DPW is seeking funds to replace vehicles. A 1997 International 4700 Dump Truck, 2001 International plow and sander, Elgin 2011 road sweeper, 2007 John Deere 544 Loader. Replacement quotes are included in attachment 20200302-2. Options for the replacement of equipment are bonding, snow and ice excess, and Chapter 90. If we bond it will probably be for 10 years, though we could bond for 20 years. Vehicles are purchased using the state approved bid list.

Sewer:

## Proposed plan for the 2021 \$9.5M

Influent PS	4,860,000	Total cost of 5.7M - design of 840K out of the 5.6M bond
Secondary Clarifier and RAS	2,975,000	Total cost of \$3.5M - design of 525K out of 5.6M bond
Match to Electrical Grant	205,834	
Control Building Construction	609,166	time line says 900K but we have to get to 9.5
Grit System Build	850,000	
<b>Total</b>	<b>9,500,000</b>	
<b>Use of Prior Bonds and Insurance Proceeds</b>		
HVAC Project	3,208,000	
Sewer Inspection/Repairs prior paving	295,000	
Headworks Project	1,259,500	
AST/UST	210,119	
O2W - CMOM	118,509	
SRF Management	40,000	
Effluent Pump Room & Pump Station 5 Design	52,500	
Effluent Pump Room & Pump Station 5 Construction	350,000	
Critical Replacements & Installation	450,000	includes pumps as they are a prerequisite for grant funding
Pump Station 9 Replacement Design	375,000	
Pump Station 9 Replacement Construction	2,500,000	
Secondary Treatment Upgrades Design	525,000	
Influent Pump Station Design	840,000	
Control Building Upgrade Design	135,000	
Grit System Replacement Design	150,000	
Rehab I&I Design		
TBD- grant match for Berm - PS 4 - design eng if SRF???	791,372	WC has 331,144 on their time line but we will do this in a future year
<b>Total</b>	<b>11,300,000</b>	
Free Cash Balance	1,879,431	due to getting 5 quarters in FY 19 will be used to support debt budget over time

# Statistics for Advisory Board

Total Budget Increase 16.1%  
 The increase relates to the debt service - operations remain flat

## Proposed Rate for FY 21 and Impact on Average User

FY 2020 Rate 14.00  
 Rate Increase 7.5%  
 FY 2021 Rate 15.05

## Impact of Rate Increase

\$ of Rate Increase 1.05  
 Avg # of Units 70.00  
 Cost Increase 73.50

## Average Annual Invoice

Avg # Units 70.00  
 Rate 15.05  
 Usage Cost 1,053.50  
 Base Fee Cost 180.00  
 Total Cost 1,233.50 In FY 20 it is 1,160

## Capital Investment Plan

	2019	2020	2021	2022	2023	Total
	17,000,000	5,600,000	9,500,000	10,000,000	2,795,000	44,895,000
	approved at Town Mtg and Underway					
	approved at Town Mtg and Underway					

## New Debt Costs

	2019	2020	2021	2022	2023	2024	2025
	229,000	236,000	1,143,000	1,516,000	2,142,000	2,706,000	2,857,000

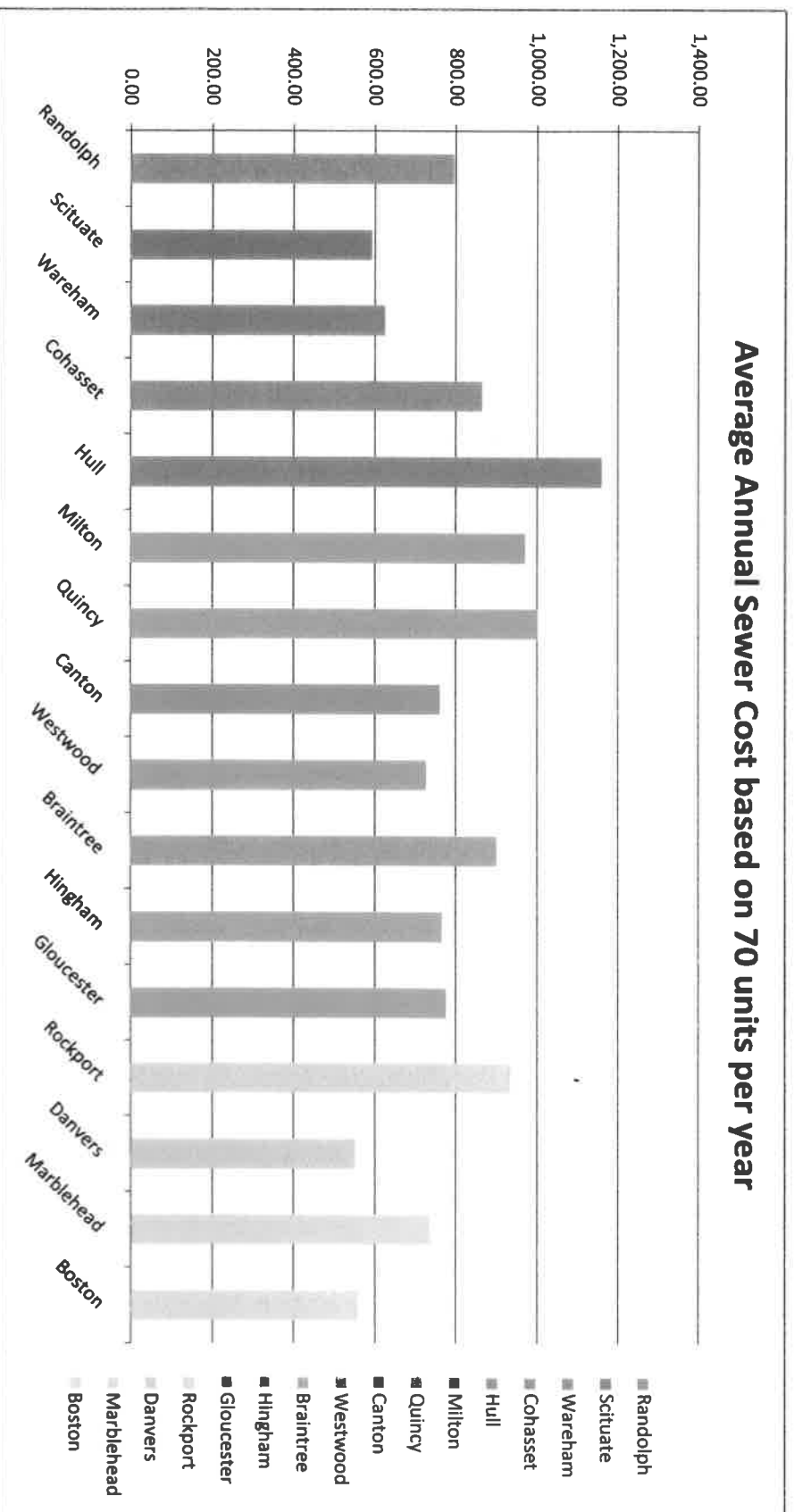
All in Debt cost per 100 cubic foot unit  
 Cost per average user (70 units) per year

8.66 Total cost of 2,857,000 divided by 330,000 billed units  
 606.2

FY 2020 Annual Cost for Sewer in Various Towns

Town	Randolph	Scituate	Wareham	Cohasset	Hull	Milton	Quincy	Canton	Westwood	Braintree	Hingham	Gloucester	Rockport	Danvers	Marblehead	Boston
Annual Cost	795.65	592.56	626.00	866.50	1,160.00	970.92	1,001.70	761.30	727.00	901.55	766.50	777.00	935.90	552.02	736.50	560.60

**Average Annual Sewer Cost based on 70 units per year**





## Town of Hull Department of Public Works

March 2, 2020

To: Philip Lemnios, Town Manager  
From: Joseph Stigliani, Acting DPW Director  
Subject: Capital Replacements

As per our discussion, below is a list of prioritized capital replacements for trucks and heavy equipment for the DPW:

- 1st Truck #7, 1997 International 4700 Dump Truck
- 2nd Truck #3, 2001 International plow and sander
- 3rd Sweeper #26, Elgin, 2011 road sweeper
- 4th Loader #23, 2007 John Deere 544 wheel loader

Price quotes for replacements for each replacement truck/equipment are attached and noted below:

Truck #7	\$155,442.
Truck #3	\$183,433.
Sweeper #26	\$212,040.
Loader #23	\$199,700.

For replacement of mowers for parks and grounds/recreational fields, I would prioritize as follows:

- 1<sup>st</sup> Replace (2) commercial walk behind mowers (2012 and 2016)
- 2<sup>nd</sup> Replace 1992 Ransom AR 250 Deck Mower

Price quotes for replacements attached and noted below:

(2) 61" Commercial Walk Behind Mowers @ \$10,608.02 = \$21,216.00

AR 522 Rotary Mower \$50,177.18

Thank you,



Joseph Stigliani  
Acting DPW Director

**TOWN OF HULL, MASSACHUSETTS**  
**BUDGET PLANNING FOR LANDFILL ASSESSMENT AND CLOSURE**  
**PREPARED: FEBRUARY 28, 2020**

**TASKS FOR FISCAL YEAR 2022**  
**(JULY 1, 2021 TO JUNE 30, 2022)**

<b>TASK</b>	<b>SCHEDULE</b>	<b>BUDGET</b>	<b>COMMENT</b>
Phase 1A Clay Cap Cover Evaluation – Contingency Task	July 2021 to September 2021	\$40,000	This task is being carried as a contingency to conduct a further evaluation of the integrity of the existing Phase 1A clay cap that was constructed in 1985. The scope of any such further evaluation will be known in FY 2021, when the CSA field investigations near completion.
Corrective Action Alternatives Analysis (CAAAA) Report Preparation	November 2021 to March 2022	\$80,000	An alternatives analysis is typically required by MassDEP to evaluate landfill closure options for the site. The level of effort can be reduced if minimal alternatives are evaluated based on likelihood of constructing a traditional cap. However, given the current unknowns regarding possible corrective actions for the Phase 1A cap, as well as alternatives for addressing the uncapped area at the southern end of the landfill, the budget estimate is intended to evaluate alternatives for these areas, as well as alternatives related to possible post-closure use of the Phase 2 area. For scheduling purposes, it is assumed MassDEP review of the report will span a six-month period with approval issued by September 2022.
<i>Phase 2 Area Estimated to Reach Capacity in January 2022</i>			
Solid Waste Regulatory and Technical Assistance	As needed during FY 2022	\$20,000	Budget figure is intended to provide general regulatory and technical assistance through FY 2022. This task would only be drawn upon if directed by the Town.
Post-CSA Annual Compliance Monitoring	Semi-annual water quality and sediment monitoring; quarterly soil gas monitoring; and bi-monthly (six times per year) Third Party Inspections during FY 2022	\$53,000	Budget figure reflects continuation of monitoring program that will be performed during the CSA, but assumes continued analysis of PCBs and pesticides will not be required. The actual cost of the Post-CSA compliance monitoring will be based upon the program approved by MassDEP in connection with the Post-CSA environmental monitoring program that will be presented in the CSA Report.
<b>Total Appropriation Projected for FY 2022</b>		<b>\$193,000</b>	

**TOWN OF HULL, MASSACHUSETTS**  
**BUDGET PLANNING FOR LANDFILL ASSESSMENT AND CLOSURE**  
**PREPARED: FEBRUARY 28, 2020**

**TASKS FOR FISCAL YEAR 2023**  
**(JULY 1, 2022 TO JUNE 30, 2023)**

TASK	SCHEDULE	BUDGET	COMMENT
Corrective Action Design (CAD)	October 2022 to January 2023	\$150,000	Budget estimate assumes typical landfill cap design for Phase 2 area and at southern tip of the landfill. Phase 1A cap repairs are not included in the estimate, although the budget may be capable of addressing this depending on the extent of repairs required. Budget also assumes some topsoil repairs to the Phase 1B geomembrane cap area, as well as some wearing surface modifications to topsoil in the Phase 2 area would be performed as needed to facilitate vehicle access to the wind turbine. Design fee would be finalized during the CAAA phase, when the preferred closure alternative would be identified and specific closure and post-closure design components (if any) confirmed. Budget estimate assumes a single design package will be prepared addressing all remaining capping work.
Conservation Commission Notice of Intent (NOI)	January 2023 to April 2023	\$20,000	This task will be performed to obtain an Order of Conditions for the landfill closure construction.
Other State and Federal Waterway-Related Permitting	Permit Preparation: December 2022 to April 2023 All Approvals Estimated to be Issued by January 2024	\$160,000	Permitting requirements not yet fully known due to unknown extent of work that may be required in wetland (tideland) areas. Budget is based on preparing applications for: MEPA ENF; 401 Water Quality Certification; Section 404 Army Corps; Coastal Zone Management Certification; Chapter 91 license; and associated planning and coordination services related to these permitting activities.
Solid Waste Regulatory and Technical Assistance	As needed during FY 2023	\$20,000	Budget figure is intended to provide general regulatory and technical assistance through FY 2023. This task would only be drawn upon if directed by the Town.
Post-CSA Annual Compliance Monitoring	Semi-annual water quality and sediment monitoring; quarterly soil gas monitoring; and bi-monthly (six times per year) Third Party Inspections during FY 2023	\$53,000	Budget figure reflects continuation of monitoring program that will be performed during the CSA, but assumes continued analysis of PCBs and pesticides will not be required. The actual cost of the Post-CSA compliance monitoring will be based upon the program approved by MassDEP in connection with the Post-CSA environmental monitoring program that will be presented in the CSA Report.
<b>Total Appropriation Projected for FY 2023</b>		<b>\$403,000</b>	



**TOWN OF HULL, MASSACHUSETTS**  
**BUDGET PLANNING FOR LANDFILL ASSESSMENT AND CLOSURE**  
**PREPARED: FEBRUARY 28, 2020**

**TASKS FOR FISCAL YEAR 2024**  
**(JULY 1, 2023 TO JUNE 30, 2024)**

<b>TASK</b>	<b>SCHEDULE</b>	<b>BUDGET</b>	<b>COMMENT</b>
Landfill Closure Bidding Assistance and Award	February 2024 to April 2024	\$40,000	Assumes a three-month bid and award period for the landfill closure.
Landfill Closure Construction	May 2024 to October 2024	\$1,400,000	Assumes a 4.5-acre Phase 2 closure area and a \$210,000 per acre capping construction cost with a 20 percent contingency. The cost also includes a set-aside of \$250,000 for general topsoil cover repairs in the Phase 1B area (budget estimate does not include costs that may be associated with Phase 1A repairs as it is unknown at this time what repairs, if any, may be required). The actual capping costs for the Hull Landfill will be refined with the Town during the CAAA and CAD phases of the assessment process.
Landfill Closure Construction Administration and Resident Engineering	May 2024 to October 2024	\$380,000	Budget estimate for this task is based upon providing six months of full-time resident engineering representation.
Solid Waste Regulatory and Technical Assistance	As needed during FY 2024	\$20,000	Budget figure is intended to provide general regulatory and technical assistance through FY 2024. This task would only be drawn upon if directed by the Town.
Post-CSA Annual Compliance Monitoring	Semi-annual water quality and sediment monitoring; quarterly soil gas monitoring; and bi-monthly (six times per year) Third Party Inspections during FY 2024	\$53,000	Budget figure reflects continuation of monitoring program that will be performed during the CSA, but assumes continued analysis of PCBs and pesticides will not be required. The actual cost of the Post-CSA compliance monitoring will be based upon the program approved by MassDEP in connection with the Post-CSA environmental monitoring program that will be presented in the CSA Report.
<b>Total Appropriation Projected for FY 2024</b>		<b>\$1,893,000</b>	

20200302-1

## TOWN OF HULL, MASSACHUSETTS

## BUDGET PLANNING FOR LANDFILL ASSESSMENT AND CLOSURE

PREPARED: FEBRUARY 28, 2020

TASKS FOR FISCAL YEAR 2025  
(JULY 1, 2024 TO JUNE 30, 2025)

TASK	SCHEDULE	BUDGET	COMMENT
Landfill Closure Completion Permit Application (includes Construction Certification Report and Post-Closure Maintenance and Monitoring Plan)	November 2024 to January 2025	\$60,000	The Landfill Closure Completion Permit Application is required by MassDEP at the conclusion of construction activities. The report documents that the closure was constructed in accordance with the MassDEP-approved plans and specifications and includes all QA/QC test data associated with the closure project. The permit application also outlines activities to be performed by the Town to care for and maintain the cap during the post-closure period. These activities include general maintenance and upkeep, as well as post-closure environmental monitoring.
Solid Waste Regulatory and Technical Assistance	As needed during FY 2025	\$20,000	Budget figure is intended to provide general regulatory and technical assistance through FY 2025. This task would only be drawn upon if directed by the Town.
Post-CSA Annual Compliance Monitoring	Semi-annual water quality and sediment monitoring; quarterly soil gas monitoring; and bi-monthly (six times per year) Third Party Inspections during FY 2025	\$53,000	Budget figure reflects continuation of monitoring program that will be performed during the CSA, but assumes continued analysis of PCBs and pesticides will not be required. The actual cost of the Post-CSA compliance monitoring will be based upon the program approved by MassDEP in connection with the Post-CSA environmental monitoring program that will be presented in the CSA Report.
<b>Total Appropriation Projected for FY 2025</b>		<b>\$133,000</b>	

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**HULL SANITARY LANDFILL**  
**Budget Planning for Landfill Assessment and Closure**  
**Prepared: February 28, 2020**

Fiscal Year	Activity	Budget	Total Estimated FY Funding
2021	CSA Report Preparation Regulatory & Technical Assistance Post-CSA Annual Compliance Monitoring Total	\$108,000 \$20,000 \$53,000 \$181,000	\$181,000
2022	Phase 1A Clay Cap Cover Evaluation (Contingency Task) CAA Report Preparation Regulatory & Technical Assistance Post-CSA Annual Compliance Monitoring Total	\$40,000 \$80,000 \$20,000 \$53,000 \$193,000	\$193,000
2023	Corrective Action Design ConCom NOI Other Waterway Permitting Regulatory & Technical Assistance Post-CSA Annual Compliance Monitoring Total	\$150,000 \$20,000 \$160,000 \$20,000 \$53,000 \$403,000	\$403,000
2024	Bidding Assistance Landfill Closure Construction Construction Admin & Resident Engineering Regulatory & Technical Assistance Post-CSA Annual Compliance Monitoring Total	\$40,000 \$1,400,000 \$380,000 \$20,000 \$53,000 \$1,893,000	\$1,893,000
2025	Landfill Closure Completion Permit App Regulatory & Technical Assistance Post-CSA Annual Compliance Monitoring Total	\$60,000 \$20,000 \$53,000 \$133,000	\$133,000
Total Estimated Assessment and Closure (FY 2021 through FY 2025)			\$2,803,000

**Notes:**

1. Assessment and closure funding began in FY 2020 with May 2019 Town Meeting (Article 23). Funding amount was \$344,500 for FY 2020 assessment and regulatory compliance activities.

**TOWN OF HULL, MASSACHUSETTS**  
**BUDGET PLANNING FOR LANDFILL ASSESSMENT AND CLOSURE**

PREPARED: FEBRUARY 28, 2020

**TASKS FOR FISCAL YEAR 2021**  
**(JULY 1, 2020 TO JUNE 30, 2021)**

<b>TASK</b>	<b>SCHEDULE</b>	<b>BUDGET</b>	<b>COMMENT</b>
Comprehensive Site Assessment Report Preparation	January 2021 to May 2021	\$108,000	Report preparation will begin once the CSA field investigations are completed. For scheduling purposes, it is assumed MassDEP review of the report will span a five-month period with approval issued in October of 2021.
Solid Waste Regulatory and Technical Assistance	As needed during FY 2021	\$20,000	Budget figure is intended to provide general regulatory and technical assistance through FY 2021. This task would only be drawn upon if directed by the Town.
Post-CSA Annual Compliance Monitoring	Semi-annual water quality and sediment monitoring; quarterly soil gas monitoring; and bi-monthly (six times per year) Third Party Inspections during FY 2021	\$53,000	Budget figure reflects continuation of monitoring program that will be performed during the CSA, but assumes continued analysis of PCBs and pesticides will not be required. The actual cost of the Post-CSA compliance monitoring will be based upon the program approved by MassDEP in connection with the Post-CSA environmental monitoring program that will be presented in the CSA Report.
<b>Total Appropriation Projected for FY 2021</b>		<b>\$181,000</b>	

3 years ago the Sewer commission created a plan based on 3 principles: reliability, redundancy, and resiliency. We bonded 17 million the first year, and 4.7 million the following year. The bond request for FY21 is 9.5 million. A breakdown of the budget for the 2021 bond is included in attachment 20200302-3 along with the spending of the prior bonds. Relining of the sewer interceptor pipe is complete. It is expected to have a 50 to 75 year life. The next phase is to grout and reline the manholes and inspect the pipes that were previously repaired. They are replacing 2000 feet of sewer pipe on Atlantic Ave. The ocean outfall pipe has been inspected. A blockage of sand has been discovered. The blockage will be monitored.

The influent and effluent processes will be upgraded along with the grit facility, the clarifiers need to be rebuilt. The control building and headworks need to be upgraded. Remote pump stations need to be repaired and rebuilt. Article 13 is the bond authorization for 9.5 million for this year's work.

As recently reported in the news, the process is moving forward to accept flow from Scituate and Cohasset. Both communities will need to expend significant capital. The other towns' rates will begin to catch up to our rate. Hingham has also reached their max flow to the MWRA. We've already seen flow decrease from the sewer upgrades. Should Cohasset and Scituate send flow to Hull, they will pay the same rate as Hull ratepayers. We have capacity in our permit that allows us to discharge more than we currently discharge. The Lloyds claim is the smallest of the claims from the plant failure and that is in settlement talks now. The claim against the prior operator of the plant is in discovery now and will be a year or 2 before we reach some kind of conclusion.

Harbormaster and Shellfish Warden:

Harbormaster worked 942 hours of overtime. Assistant harbormasters are underpaid compared to other towns. Our rate is 12.75, others pay 20.00.

The mooring info is going online for payments this year.

The office pays for its own cable/internet. The cost of maintaining aids to navigation are increasing. We maintain 23 aids. 10 in Allerton Harbor, 14 along the Weir River, and 1 at A St.

It is possible that the bayside shellfish beds may be reopened this year.

Fire Department:

New Ambulance arrived a month ago.

There are currently 9 open positions. Out of 2455 candidates of the list, we've been able to hire 2 positions. Contract negotiations to bring on EMTs with the union are ongoing. Coast Guard doesn't provide EMS. Hull provides services for the Harbor Islands within Plymouth County.

Hydrant Bonding:

Normally we budget 40k per year for hydrant repairs and replacements. Despite this, we haven't finished bringing all hydrants back on line. The bonding will be a 350k bond over 10 years to replace

hydrants that we haven't gotten to yet. The cost to replace is 2,500 to 7,000 depending on whether there are shut off valves for the hydrant.

Police:

The contract expires in June. Overtime has been reduced by 20% due to changes in scheduling.

Overdoses have decreased due to Plymouth County Outreach visits. Social workers go to the homes of patients to offer services. There is a 75% success rate getting people to accept help. There were 51 ODs last year, 10 were fatal. We are seeing a 15 to 20% decrease each year. We had 36 narkan saves last year.

There is a question about shift differentials and holiday pay that the Chief will provide further back up for.

The town is attempting to achieve State Accreditation. It is a 2-3 year process. Only 90 out of 400 departments have accreditation. It will help with grants and our liability. There has to be a policy for every standard in the audit.

Minutes:

Dan Sullivan moves to accept the minutes of 2/3/2020 and 2/6/2020. Robyn Healy Seconds the motion. The motion carries unanimously.

3/9/2020 The Council on Aging and Legal Departments are scheduled.

Bob Carney moves to adjourn. Jay Polito seconds the motion. The motion carries unanimously.

Dave Clinton adjourns the meeting at 10:02 p.m.