Page #	ŧ	. *		•	•			•			
. 101	WASTEWATER FUND	2025	2026	2027	2028	2029	2030	2031	2032	. 2033	2034
102	Wastewater Facilities Plan	425,000	425,000	425,000	425,000	425,000	425,000	425,000	425,000	425,000	425,000
103	Collection System Repair/Upgrade (Town/UNH)	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
104	Collection System Repair/Upgrade (Town Only)	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
105	WWTP Major Components Contingency	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
106	Commercial Lawnmower Replacement		35,000								
107	Pickup Truck Replacement (One Ton)					76,000	76,000				

PROJECT YEAR	2025-2034	PROJECT COST				\$425,000	
DESCRIPTION	Wastewater Facilities Plan	DEPARTMENT	ooninininininin oo qa	nameng aktratiken sekeraken atomaka katolik	Public V	Vorks - Wa	stewater
IMPETUS FOR PROJEC	T (IE. MANDATED, COUNC	L GOAL, DEPT INITIAT	IVE, E	ETC.)			
Dept Initiative				-			
DESCRIPTION (TO INCI	LUDE JUSTIFICATION)						
The Town of Durham owns, operate expenditures are planned within the large portion of the Town, including undergone several capital upgrades. The Town, like many New Hampshi escalation in disposal costs increase annually. This dramatic increase in contamination within biosolids and could potentially add disposal option with \$100,000 of principal forgivene to complete a feasibility analysis an and evaluating the economic feasibility favorable. Funding for FY 2025 is allocated fc (BMP's) to capture and treat the stot River, located to the south of the W body under the State's 2022 303(d) installation of best management pre- including stormwater BMP retrofits, therefore is a priority for treatment i before the end of 2024. This permit which is regulated within the Town's effluent limit may require compliance 2025 - \$425,000 - Civil Site Work/S	tes, and maintains its Wastewater Treatm e Wastewater Facilities plan and are fund of the University of New Hampshire (UNH) s, including the replacement of its dewate ire municipalities, is faced with increasin sing in the last 2 years from \$72/ton to cut a cost is primarily due to the decreased a subsequent processing costs. A sludge ns with the production of a Class A produ- ses to complete this feasibility study, while d concept design for a biosolids (sludge) will the the systems. Future CIP fundir or civil site work, including roadway pavin promwater runoff from impervious surface AWTF. The Oyster River is classified by the list. The latest update to the Town of D actices (BMPs) in catchment areas drain as part of the MS4 NPDES permit. This retrofits. A draft New Hampshire Medium includes regulatory standards and main a Nitrogen General Permit. Based on ir measures, including future capital upg tormwater BMP/Pavement	nent Facility (WWTF), which is loca ded at a 2/3 (UNH) and 1/3 (Town ). The WWTF was expanded to a ering equipment in 2015. g disposal costs for its dewatered l irrently \$225.30/ton. The Facility or valiability of disposal locations acc dryer would decrease the volume a loct. In July 2024, Durham Public W ch is currently underway. In an effi d drying system at the WWTF. Cor ing years may be required to impler g at the WWTF and a phased col is at the WWTF. The WWTF's stor he New Hampshire Department of urham's Municipal Separate Storm ing to impaired waters. The WWTT municipal-owned property has the n Wastewater Treatment Facility C tenance requirements for all pollut itial discussions with the EPA on i rades or plant process modification	ated on of Durh seconda hiosolida n average expting w and weig /orks se ort to mincept de ment slu nstruction mwater f Environ n Sewer Seneral I ants with the contri ns at the	Piscataqua Ro am) cost shar ny treatment f s. The facility ge disposes a wastewater bic ght of dewater cured a \$100, nimize dispos sign would inc dge dryer teck on of select sto management mmental Servic System (MS4 sted as a pote area of imper Permit is antic nin the plant's ents of the dra a WWTF.	ad (Rte 4) ir ing allocatior acility in 197 has experier oppoximately solids and the ed sludge re 000 State Re al costs, Du clude evaluat nology if res ornwater bes system disc ces (NHDES) ) Permit (20 nital site for vious surface ipated to be effluent, not aft permit, EF	n Durham, N 1. The WWV 7 and has simple the obstart 1,000-1,100 the potential f quiring dispo- evolving Loa rham Public ting drying te suit of feasibi- st management harges to the ) as an impa drainage upg e (approx. 4 issued by the inclusive of PA's propose	H. Capital IF serves a nce wet tons or PFAS osal, and it n Fund Loan Works plans chnologies lifty study is ent practices e Oyster ired water the grades, acres) and ie EPA Nitrogen ad copper
2026 - 2031 - TBD with completion	of updated Wastewater Facilities Plan in	2025.					•
	Per current Agreement, these pr	ojects would be funded 2/3 L	JNH ar	nd 1/3 Town	I.		
ESTIMATED COSTS:	PRELIMINARY STUDY, DES	IGN AND ENGINEERING	\$				
	FINAL DESIGN AND ENGIN	EERING	\$	-		•	19 <b>a</b>
	CONSTRUCTION ENGINEER	RING OVERSIGHT	\$	-		· ·	
	CONSTRUCTION COSTS	4	\$	425,000			
	CONTINGENCY	•	\$		_		
	TOTAL PROJECT COST	· · · ·	\$	425,000		14 - <sup>1</sup>	
FINANCING	OPERATING BUDGET		\$.	entonenteroner scherologischer oder S			
	UNH - CASH		\$	-			
	BOND - TOWN PORTION	· ·	\$	141,667		•	
	<b>BOND - UNH PORTION</b>		\$	283,333			
	FEDERAL/STATE GRANT		 \$				
	CAPITAL RESERVE ACCOU	NT	s	-			
	TOTAL FINANCING COS	rs	\$	425,000	•	· · · ·	
				40		SA 1920 SLO HOREY (SST AND	
F BONDED:	NUMBER OF YEARS			10			
F BONDED:	NUMBER OF YEARS		\$	425 000			,
F BONDED:	NUMBER OF YEARS TOTAL PRINCIPAL TOTAL INTEREST		\$	10 425,000 82 800			
F BONDED:	NUMBER OF YEARS TOTAL PRINCIPAL TOTAL INTEREST TOTAL ESTIMATED COS	τ τ	\$	425,000 82,800 507 800	•	• • •	



CB = Catch Basin; DMH = Drain Manhole; OF = Outfail

PROJECT YEAR	2025-2034	PROJECT COST			\$30	,000
DESCRIPTION	Collection System Repair/ Upgrade (Town/UNH)	DEPARTMENT			Public Works	- Wastewater
IMPETUS FOR PROJE	CT (IE. MANDATED, COUNC	IL GOAL, DEPT INITIAT	IVE, E	TC.)		
Dept Initiative						• •
DESCRIPTION (TO INC	LUDE JUSTIFICATION)			1997)		
- - -						
Repairs will be made to the investigation, sewer manhole needed repairs within the wa Collection System and infiltra time spent on collection syst The Town received a \$100,0 Engineers to undertake this capacity demands on the We	Town/UNH shared wastewater coll e rehabilitation or replacement. Th astewater collection system. Inflow ation is the seepage of groundwate em maintenance will decrease as 100°ARPA grant in FY22 to comple work. Findings will allow appropria estern side of the collection system	ection system including line r is project also includes an up is the illegal connection of pl er or stormwater into the Was these problem areas are corr te a West End Sewer Study a te planning and upgrades to n.	eplacen dated l/ umbing tewater ected. and rece take pla	nent and line I Study (inflo such as a su Collection S ently awarded ice as require	e repairs, engine w and infiltratio imp pump into t ystem. The amo d a contract to v ed for new deve	eering n), to locate he Wastewater bunt of staff Vright-Pierce lopment and
						•
	Per current Agreement, these p	projects would be funded 2/3	UNH ar	nd 1/3 Town.		Anna in a Suid an Anna Anna Anna Anna Anna Anna Anna
ESTIMATED COSTS:	PRELIMINARY STUDY, DES	GIGN AND ENGINEERING	\$	ini and a second state and a second secon	nana kana kana kana kana kana kana kana	
	FINAL DESIGN AND ENGIN	EERING	\$.	-		
	CONSTRUCTION ENGINEE	RING OVERSIGHT	\$	•		
•	CONSTRUCTION COSTS		\$	30,000		
	CONTINGENCY		\$	· ·		
	TOTAL PROJECT COST		\$	30,000	•	
FINANCING	OPERATING BUDGET	anna colona con a la constante con estante da ana constante con tratta constante de la constante de constante d	\$		na fan de fan weer an annae de fan ar an	
	UNH - CASH		\$	-		
·	<b>BOND - TOWN PORTION</b>		\$			
	<b>BOND - UNH PORTION</b>		\$	• _		
· · · · · · · · · · · · · · · · · · ·	FEDERAL/STATE GRANT		\$	-		
	CAPITAL RESERVE ACCOL	INT	\$	30,000	· . •	•
	TOTAL FINANCING COS	TS	\$	30,000	х. •	
F BONDED:	NUMBER OF YEARS	and and a second sec		N/A		
¢	TOTAL PRINCIPAL		\$	· · · · ·		:
	TOTAL INTEREST		\$	· · · _		
	TOTAL ESTIMATED COS	π	\$			
2.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.						
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	고 있는 것이다. 방법에 있었다. 것이 같은 것이다. 같은 것이 같은 것이 같은 것이 같은 것이 같을 것이다.				1.1	
				يندي. روموني مركز ا		
			•			
<b>4</b>						
				V - 22		
			<b>(</b> 8)			

DESCRIPTION IMPETUS FOR PROJEC	Collection System Repair/ Upgrade (Town)	n meneren er en en det feld Garris Alfricanser ander an de gester at dis et de state ander ander er en ander a In de state ander an d	*********			Non and Construction of the American Street, or other
IMPETUS FOR PROJEC		DEPARTMENT		Pi	ıblic Works - N	/astewater
	T (IE. MANDATED, COUNCI	L GOAL, DEPT INITIAT	IVE, ET	TC.)		
Dept Initiative					•	
DESCRIPTION (TO INCL	UDE JUSTIFICATION)	n an mar an		an a	******	
Repairs will be made to the To manhole rehabilitation or repla illegal connection of plumbing stormwater into the Wastewat problem areas are corrected. sewer collection system. The inflow/infiltration on the Weste several years including collect	own's wastewater collection system icement. This project also include such as a sump pump into the W er Collection System. The amoun The last inflow/infiltration study was forwn was fortunate to receive a \$ rn side of the collection system. F ion system rehabilitation on readw	m including line replacemen is inflow and infiltration within /astewater Collection System it of staff time spent on colle as completed in 2013 to prio 100,000 ARPA grant in FY2 Further inflow/infiltration stud vays such as Petfee Brook I	and line the was and infi ction sys itize futu 2 to undo es and i ane and	e repairs, engin stewater collec iltration is the s tem maintenar ure areas of rep ertake addition mprovements Woodman Ro	eering investig tion system. In nee page of grou nee will decreas pairs/improvem al studies inclu are planned ov ad. Additionalh	ation, sewe flow is the indwater or se as these ents in the iding er the next i, this
capital request will fund collect	tion system piping rehabilitation of	in Dennison Road in FY24 a	s part of	the FY24 Road	d Program.	, uno
	Per current Agreement, this	project will be funded 100%	, by the	Town.	****	atarithi kanan kanangan ang kanangan kanangan kanangan kanangan kanangan kanangan kanangan kanangan kanangan k
ESTIMATED COSTS:	PRELIMINARY STUDY, DES	IGN AND ENGINEERING	\$	**		ne la financia de la companya de la
	FINAL DESIGN AND ENGINE	EERING	\$	-		· ·
•	CONSTRUCTION ENGINEER	RING OVERSIGHT	\$	-		
	CONSTRUCTION COSTS		\$	65,000		
	CONTINGENCY		\$		•	
	TOTAL PROJECT COST		\$	65,000		
FINANCING	OPERATING BUDGET		\$			
•	UNH - CASH		\$	-	17 17 18 19 19	•
	<b>BOND - TOWN PORTION</b>	,	\$	65,000		
	BOND - UNH PORTION		\$	-		
	FEDERAL/STATE GRANT	•	\$	-		
	CAPITAL RESERVE ACCOU	NT	\$		• •	
	TOTAL FINANCING COST	TS	\$	65,000		
F BONDED:	NUMBER OF YEARS		an a cuanta an a canada an a	3		
	TOTAL PRINCIPAL		\$	65,000	-	. •
	TOTAL INTEREST		\$	4,525		
	TOTAL ESTIMATED COS	<u>T</u>	\$	69,525	· · · .	
					<b>Ž</b> .	-
						•



104

PROJECT YEAR	2025-2034	PROJECT COST		\$50,000
	WWTP Major Components			
DESCRIPTION	Contingency	DEPARTMENT	-	Public Works - Wastewater
IMPETUS FOR PROJEC	T (IE. MANDATED, COUNC	L GOAL, DEPT INITIATIVE	E, ETC.)	· · · · · · · · · · · · · · · · · · ·
Dept Initiative	- -	an an an Araba an Araba		· · ·
			<u>.</u>	·
DESCRIPTION (TO INCL	UDE JUSTIFICATION)			anna an
	- 			
operates on a continuous basi failures to maintain uninterrupt state discharge permits and up operations at the Treatment Pl	is, 24 hours a day, 7 days per we ted operations, and to prudently n pholding the facility's vital role in e lant, the contingency fund becom	ex. This fund allocates funding f nanage unforeseen challenges, environmental protection and pu es even more essential.	or unplanned, e while complying blic health. Give	a with the facilities federal and with the facilities federal and an the non-stop nature of
	· · · ·		•	
			·	
un man kan dara kan manang kan			Las-1.4/2 =	anna shiya anna a shi shi anna za shi ku adan sha adan a da adan a da adan
CCTIBLATEN AAAT	rei current Agreement, these pr	ujects would be funded 2/3 UNF	and 1/3 Town.	understand mentalistander and an and and
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIG	N AND ENGINEERING	5 -	
	FINAL DESIGN AND ENGINEE	RING	5 - ·	• • • • • • • • • • • • • • • • • • •
	CONSTRUCTION ENGINEERIN	IG OVERSIGHT	<b>S</b> -	
	CONSTRUCTION COSTS		50,000	
	CONTINGENCY	19 a		
annan an a a a a a a a a a	TOTAL PROJECT COST		\$ 50,000	MIT: INTERNATIONALIZATION CONTRACTOR CONTRACTOR ON CONTRACTOR OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWN
FINANCING	OPERATING BUDGET	•	<b>5</b> -	
	UNH - CASH	4 A A A A A A A A A A A A A A A A A A A	-	
	BOND - TOWN PORTION		5 ·	<b>∦</b> -4 10
	BOND - UNH PORTION		5 -	
	FEDERAL/STATE GRANT		<b>5</b>	
	CAPITAL RESERVE ACCOUNT	·	50,000	
an manya tiku mandarakan kerantakar atang ang kang baharakan kerang kang menang kang baharan kerang kang bahara	TOTAL FINANCING COSTS		50,000	
F BONDED:	NUMBER OF YEARS		N/A	
	TOTAL PRINCIPAL		ş -	
•	TOTAL INTEREST	3	<u>6 -</u>	
	TOTAL ESTIMATED COST		-	Destruction and the second state of the second state of the second state of the second state of the second state

PROJECT YEAR	2026	EQUIPMENT COST	\$35,000
DESCRIPTION	Commercial Lawnmower Replacement	DEPARTMENT	Public Works - Wastewater
<b>DESCRIPTION (TO II</b>	NCLUDE JUSTIFICATION):	алан андар анд Таран андар анд	ana a mar falle men nyaéta a ana ang kangka di ang kanya mananana kanya manana kanya kanya kanya kanya kanya k
The 2013 John Deere Z7 throughout the growing se The 2013 John Deere Z7 tear it has experienced ov annually, however, it is ex efficiency and effectivene options for this upcoming demands, existing battery electric machine in 2025 se	2 Commercial Lawn Mower is scheduled fe eason, to maintain the manicured lawn are 2 Commercial Lawn Mower will be 12 year ver the years, leading to reduced performant vident after several costly mechanical failur ass in maintaining the site's grounds. Durhat mower acquisition, including battery electr technology may be a viable option. Durhat subject to price, performance and availability	or replacement in 2025. This e as on the five-acre Wastewate s old in 2025 and requires rep nce. Minor routine maintenanc es recently that a new mower im Public Works is proactively ic where, due to the nature of m Public Works intends to rep ty.	equipment is operated weekly or Treatment Plant site. lacement due to the wear and he has been undertaken is necessary to ensure optimal exploring alternative fuel this equipment's operational place this equipment with a fully
Equipment to Replace:	2013 John Deere Z72		
		•	
nationan under a subscription and a subscription of the subscription of the subscription of the subscription of	Der current Agrapment these arcieste	Id be funded 2/2 LINILL and 4/2	
ESTIMATED COST			narjudining sama sama sama sama sama sama sama sam
	ACCESSORIES*	φ. σσ,σου \$	
	LESS TRADE-IN**	· · · · · · · · · · · · · · · · · · ·	
•	NET PURCHASE PRICE	\$ 35.000	
	*Accessories include lighting. radios	striping, misc. equipment.	
FINANCING	OPERATING BUDGET	\$ 11,900	nan ya katan ku da matan ya ku matan ku
	UNH - CASH	\$ 23,100	
	BOND - TOWN PORTION	\$ -	
	BOND - UNH PORTION	\$	
	FEDERAL/STATE GRANT	<b>\$</b>	
	CAPITAL RESERVE ACCOUNT		
	TOTAL FINANCING COSTS	\$ 35,000	
IF BONDED:	NUMBER OF YEARS	N/A	na manana dina manana manana dina kata kata na
	TOTAL PRINCIPAL	\$ -	
	TOTAL INTEREST (EST'D)	\$	
	TOTAL PROJECT COST		



PROJECT YEAR	2029	VEHICLE COST	\$76,000
DESCRIPTION	One Ton Pick-Up Replacement	DEPARTMENT	Public Works - Wastewater
DESCRIPTION (TO IN	CLUDE JUSTIFICATION):		
The Wastewater Division's employees. These trucks p emergency maintenance ta wastewater collection and Furthermore, the pick-up to Treatment Plant Campus a come equipped with a plov acquisition, including batte 30 continuous hours durin proven to be unavailable a 10-12 years.	motor pool currently includes two play a crucial role in transporting asks across the Wastewater Trea conveyance system piping, aroun ruck is also instrumental in handl and the pump station facilities. To v package. The Department cont ry electric. However due to the o g winter emergency response ev t this time. As part of its mainten	o one-ton pick-up trucks, w personnel, equipment, and atment Plant Campus and t and 350 sewer manholes, ar ing snow and ice control op o satisfactorily address the inues to explorie alternative perational demands of thes rents, the battery technolog ance plan, this vehicle is so	which are used by the five plant materials for both routine and the Town's network of 14 miles of nd five pump stations. Derations at the Wastewater se requirements, this vehicle will be fuel options for this upcoming se vehicles, sometimes exceeding by to satisfy this demand has cheduled for replacement every
Vehicle to be Replaced:	Truck # WW-1- 2019 Ford F-3	50	
	an a		
Per cu	rrent Agreement, these projects	would be funded 2/3 UNH	and 1/3 Town.
ESTIMATED COST	PURCHASE PRICE	\$ 73,000	un neuro da como da compositiva de la c
	ACCESSORIES*	\$ 8,000	
	LESS TRADE-IN**	\$ (5,000)	
	NET PURCHASE PRICE	\$ 76,000	
ana kana manga kana kana kana kana kana kana kana	*Accessories include lighting, radios,	striping, misc. equipment.	". Autor de martie de la constant de la constante de constant de la constant de la constant de la constant de la c
FINANCING	OPERATING BUDGET	\$ - ·	
	UNH - CASH	\$ -	
	BOND - TOWN PORTION	\$ -	
	BOND - UNH PORTION	\$ -	• · · · · · · · · · · · · · · · · · · ·
	FEDERAL/STATE GRANT	\$ -	
· · · · · · · · · · · · · · · · · · ·	CAPITAL RESERVE ACCOUNT	\$ 76,000	
	TOTAL FINANCING COSTS	\$ 76,000	an and the land of the second seco
IF BUNDED.	NUMBER OF YEARS	N/A	
		\$	
	TOTAL INTEREST (ESTD)	<u> </u>	
			<b>9<sup>-1</sup></b>
		Anna an Anna Anna Anna Anna Anna Anna A	r <sup>e</sup>

PROJECT YEAR	2030	VEHICLE COST	\$76,000
DESCRIPTION	One Ton Pick-Up Replacement	DEPARTMENT	Public Works - Wastewater
DESCRIPTION (TO I	NCLUDE JUSTIFICATION)		
Durham Public Works wi The Wastewater Division employees. These trucks emergency maintenance wastewater collection an pick-up truck is instrumer and the pump station fac package. The Departmer electric. However due to winter emergency respor- time. As part of its mainter 2/2 (LNH) and 1/2 (Tour	Il be replacing the Wastewater D I's motor pool currently includes to a play a crucial role in transporting tasks across the Wastewater Tr d conveyance system piping, ~38 Intal in handling snow and ice cor ilities. To facilitate these operation to continues to explorie alternative the operational demands of these use events, the battery technologe enance plan, this vehicle is scheder of Durbary	ivision's 2019 Ford F-350 C wo one-ton pick-up trucks, g personnel, equipment, an eatment Plant Campus and 50 sewer manholes, and fiv torol operations at the Waste nal requirements, this vehic e fuel options for this upcor e vehicles, sometimes exce y to satisfy this demand has fulled for replacement every	One Ton Pick-Up Truck in 2030. which are used by the five plant d materials for both routine and the Town's network of 14 miles of e pump stations. Furthermore, the ewater Treatment Plant Campus cle will come equipped with a plow ning acquisition, including battery beding 30 continuous hours during s proven to be unavailable at this 10-12 years and is jointly funded
/s (UNH) and 1/3 (10wh	Truck # W/W-2- 2019 Ford F	350	· · · · · · · · · · · · · · · · · · ·
venicle to be replaced.	1100x # 7777-2013 1 0101 -	330	
Perc	urrent Agreement, these projects	would be funded 2/3 UNH	and 1/3 Town.
ESTIMATED COST	PURCHASE PRICE	\$ 72,000	ан байн нэм нэм нэм нэм хэрэрэг нэм нэм байн байн байн байн байн байн байн байн
	ACCESSORIES*	\$ 8,000	
	LESS TRADE-IN**	\$ (4,000)	
· · · · ·	NET PURCHASE PRICE	\$ 76,000	
10 at 16 at 17 and 16 at 16	*Accessories include lighting, radio	s, striping, misc. equipment.	
FINANCING	OPERATING BUDGET	\$-	
	UNH - CASH	\$ -	
•	<b>BOND - TOWN PORTION</b>	\$ -	
	BOND - UNH PORTION	\$ -	
	FEDERAL/STATE GRANT	\$ -	
a	CAPITAL RESERVE ACCOUNT	\$ 76,000	
	TOTAL FINANCING COSTS	\$ 76,000	
F BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$ -	
<i>/</i> -	TOTAL INTEREST (EST'D)	- 17 a	



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