



TOWN OF GILFORD

BOARD OF SELECTMEN
47 Cherry Valley Road
Gilford, NH 03249

Richard Grenier, Chair 603.527.6508
Dale Channing Eddy, Vice-Chair 603.527.6509
Gus Benavides, Clerk 603.527.6507
FAX 603.527.4711
selectmen@gilfordnh.org

NOTICE OF PUBLIC HEARINGS

ISSUANCE OF BONDS OR NOTES
IN EXCESS OF \$100,000

per RSA 33:8-a

MONDAY, JANUARY 16, 2017

7:00PM

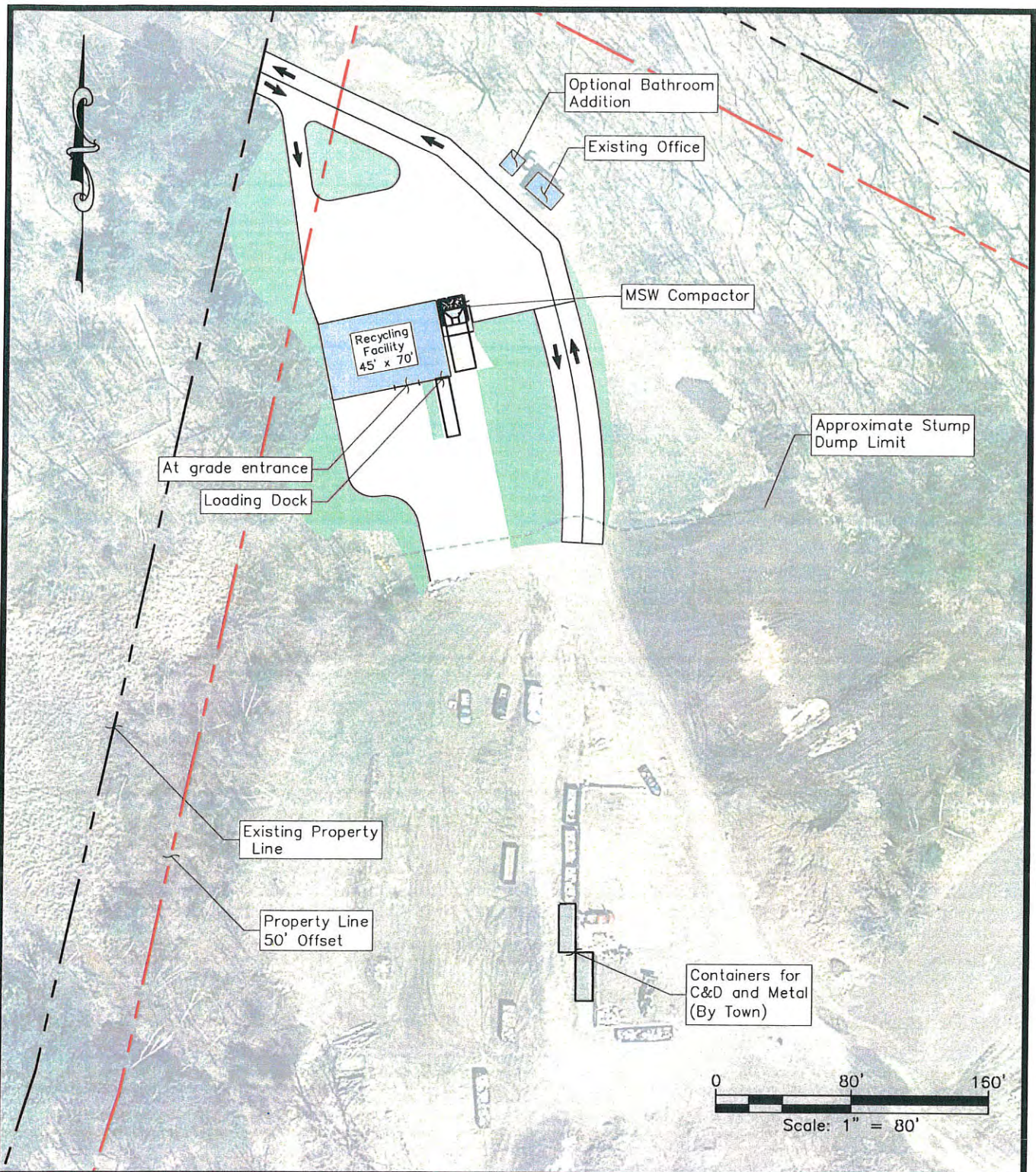
GILFORD TOWN HALL – 1ST FLOOR CONFERENCE ROOM

The Gilford Board of Selectmen will be holding two public hearings on proposals seeking voter approval at the 2017 Annual Town Meeting to borrow funds for improvements to the Recycle Center (to include construction of a new transfer station) and the reconstruction of two sewer pumping stations. The proposed "draft" warrant articles are as follows:

Question 1: Shall the Town vote to raise and appropriate the sum of nine hundred fifty thousand dollars (\$950,000) for improvements to the Recycle Center; including the establishment of a solid waste transfer station; and to authorize the issuance of not more than nine hundred fifty thousand dollars (\$950,000) of bonds or notes in accordance with the provisions of the Municipal Finance Act, (RSA 33); and to authorize the Board of Selectmen to issue and negotiate such bonds or notes and to determine the rate of interest thereon?

Question 2: Shall the Town vote to raise and appropriate the sum of seven hundred twenty-five thousand dollars (\$725,000) for improvements to the two sewer pump stations on Varney Point; and to authorize the issuance of not more than seven hundred twenty-five thousand dollars (\$725,000) of bonds or notes in accordance with the provisions of the Municipal Finance Act, (RSA 33); and to authorize the Board of Selectmen to issue and negotiate such bonds or notes and to determine the rate of interest thereon? Funds for future payments shall come from sewer user fees and not from property taxes.

Additional information on these projects along with estimated re-payment schedules will be presented at the meeting. Copies are also available at the Selectmen's Office and on the Town's website (www.gilfordnh.org). Any interested person may attend these public hearings and present information and/or opinions related thereto.



CMA

ENGINEERS
CIVIL/ENVIRONMENTAL ENGINEERS

35 Bow Street
Portsmouth, NH 03801
603/431-6196

Langer Place
55 So. Commercial Street
Manchester, NH 03101
603/627-0708

10 Free Street
Portland, Maine 04101
207/541-4223

info@cmaengineers.com

www.cmaengineers.com

Town of Gilford, NH
Solid Waste Evaluation
Transfer Station Layouts
Gilford, New Hampshire

Single Level 45' x 70' Building - Layout 2

Figure 2

CMA ENGINEERS, Inc.

Civil/Manufacturing Engineers
 25 Rocky Street
 Portsmouth, NH 03801

File: Gilford Solid Waste Facility
 Solid Waste Evaluation - Transfer Station Layouts
 CMA #1021
 December 1, 2016
 By: ATR

Single Level 45' x 70' Building - Layout 2

Item No.	Item	Unit	Est. Qty.	Construction Cost	
				Unit Price	Total Price

Contractor General Conditions

	General Conditions (5% of Construction Costs)	LS	1	NA	\$ 27,015.00
	Mobilization (5% of Construction Costs)	LS	1	NA	\$ 27,015.00

General Conditions Subtotal: \$ 54,030.00**Site Work**

	General Demolition	LS	1	\$ 5,000.00	\$ 5,000.00
	Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Fill	CY	4,200	\$ 8.00	\$ 33,600.00
	Excavation	CY	2,800	\$ 3.00	\$ 8,400.00
	Paving	Ton	256	\$ 80.00	\$ 20,488.08
	Crushed Gravel (6")	CY	471	\$ 30.00	\$ 14,126.67
	Gravel (12")	CY	942	\$ 28.00	\$ 26,369.78
	Grade Changes/Retaining Walls	LS	1	\$ 15,000.00	\$ 15,000.00
	Drainage/Erosion Control	LS	1	\$ 15,000.00	\$ 15,000.00
	Loam/Seed/Restoration	LS	1	\$ 10,000.00	\$ 10,000.00
	Site Electrical/Lighting	LS	1	\$ 5,000.00	\$ 5,000.00
	Other Site Work	LS	1	\$ 10,000.00	\$ 10,000.00

Site Work Subtotal: \$ 168,000.00**Recycling Building**

	Crushed Stone (slab)	CY	58	\$ 33.00	\$ 1,925.00
	Slab on Grade	SF	3150	\$ 12.00	\$ 37,800.00
	Concrete Walls/Footings	LS	1	\$ 105,000.00	\$ 105,000.00
	Metal Building	SF	3150	\$ 28.00	\$ 88,200.00
	Doors (Overhead, Roll-Up)	LS	1	\$ 30,000.00	\$ 30,000.00
	Ventilation System	LS	1	\$ 15,000.00	\$ 15,000.00
	Electrical	LS	1	\$ 25,000.00	\$ 25,000.00
	Other building costs	LS	1	\$ 15,000.00	\$ 15,000.00

Recycling Building Subtotal: \$ 318,000.00**Compactor Area**

	Concrete Walls/Footings/Hand Rails	LF	65	\$ 430.00	\$ 27,950.00
	Electrical	LS	1	\$ 5,000.00	\$ 5,000.00
	Canopy Roof	SF	300	\$ 20.00	\$ 6,000.00
	Slab on Grade	SF	440	\$ 12.00	\$ 5,280.00
	Other	LS	1	\$ 10,000.00	\$ 10,000.00

Compactor Subtotal: \$ 54,300.00

TOTAL CONSTRUCTION COST (Rounded): \$ 595,000.00
ENGINEERING FINAL DESIGN AND CONSTRUCTION ADMINISTRATION (25%): \$ 149,000.00
PROJECT CONTINGENCY (15%): \$ 90,000.00
TOTAL: \$ 834,000.00

Facility Equipment

	Compactor for Container	LS	1	\$ 60,000.00	\$ 60,000.00
	Vertical Baler System	EA	2	\$ 15,000.00	\$ 30,000.00
	Skid Steer	LS	1	\$ 50,000.00	\$ 50,000.00

Facility Equipment \$ 140,000.00**TOTAL COST: \$ 974,000.00****Alternates**

	Well/Septic/Bathroom	LS	1	\$ 35,000.00	\$ 35,000.00
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Alternate 1 \$ 35,000.00**ALTERNATE 1 - TOTAL COST: \$ 1,009,000.00****ASSUMPTIONS:**

- Town will relocate Swap Shop
- Town will create a container drop-off area for C&D and Metals in the lower area

NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301

★ recommended
 by T.A. Finance Director

LEVEL PRINCIPAL
 20 YEAR ESTIMATED DEBT SCHEDULE FOR
 TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
 ESTIMATED YEARLY INCREASE 0%
 DATE PREPARED: 12/16/16
 BONDS DATED: JUNE 2017 08/15/17
 INTEREST START DATE: 211 Days 07/14/17
 FIRST INTEREST PAYMENT: 02/15/18
 NET INTEREST COST: 3.2500% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$18,096.18	\$18,096.18			
1	08/15/18	\$950,000.00	\$50,000.00	3.250%	15,437.50	65,437.50	\$83,533.68	1,659,559,422	0.05
	02/15/19				14,625.00	14,625.00			
2	08/15/19	900,000.00	50,000.00	3.250%	14,625.00	64,625.00	79,250.00	1,659,559,422	0.05
	02/15/20				13,812.50	13,812.50			
3	08/15/20	850,000.00	50,000.00	3.250%	13,812.50	63,812.50	77,625.00	1,659,559,422	0.05
	02/15/21				13,000.00	13,000.00			
4	08/15/21	800,000.00	50,000.00	3.250%	13,000.00	63,000.00	76,000.00	1,659,559,422	0.05
	02/15/22				12,187.50	12,187.50			
5	08/15/22	750,000.00	50,000.00	3.250%	12,187.50	62,187.50	74,375.00	1,659,559,422	0.04
	02/15/23				11,375.00	11,375.00			
6	08/15/23	700,000.00	50,000.00	3.250%	11,375.00	61,375.00	72,750.00	1,659,559,422	0.04
	02/15/24				10,562.50	10,562.50			
7	08/15/24	650,000.00	50,000.00	3.250%	10,562.50	60,562.50	71,125.00	1,659,559,422	0.04
	02/15/25				9,750.00	9,750.00			
8	08/15/25	600,000.00	50,000.00	3.250%	9,750.00	59,750.00	69,500.00	1,659,559,422	0.04
	02/15/26				8,937.50	8,937.50			
9	08/15/26	550,000.00	50,000.00	3.250%	8,937.50	58,937.50	67,875.00	1,659,559,422	0.04
	02/15/27				8,125.00	8,125.00			
10	08/15/27	500,000.00	50,000.00	3.250%	8,125.00	58,125.00	66,250.00	1,659,559,422	0.04
	02/15/28				7,312.50	7,312.50			
11	08/15/28	450,000.00	45,000.00	3.250%	7,312.50	52,312.50	59,625.00	1,659,559,422	0.04
	02/15/29				6,581.25	6,581.25			
12	08/15/29	405,000.00	45,000.00	3.250%	6,581.25	51,581.25	58,162.50	1,659,559,422	0.04
	02/15/30				5,850.00	5,850.00			
13	08/15/30	360,000.00	45,000.00	3.250%	5,850.00	50,850.00	56,700.00	1,659,559,422	0.03
	02/15/31				5,118.75	5,118.75			
14	08/15/31	315,000.00	45,000.00	3.250%	5,118.75	50,118.75	55,237.50	1,659,559,422	0.03
	02/15/32				4,387.50	4,387.50			
15	08/15/32	270,000.00	45,000.00	3.250%	4,387.50	49,387.50	53,775.00	1,659,559,422	0.03
	02/15/33				3,656.25	3,656.25			
16	08/15/33	225,000.00	45,000.00	3.250%	3,656.25	48,656.25	52,312.50	1,659,559,422	0.03
	02/15/34				2,925.00	2,925.00			
17	08/15/34	180,000.00	45,000.00	3.250%	2,925.00	47,925.00	50,850.00	1,659,559,422	0.03
	02/15/35				2,193.75	2,193.75			
18	08/15/35	135,000.00	45,000.00	3.250%	2,193.75	47,193.75	49,387.50	1,659,559,422	0.03
	02/15/36				1,462.50	1,462.50			
19	08/15/36	90,000.00	45,000.00	3.250%	1,462.50	46,462.50	47,925.00	1,659,559,422	0.03
	02/15/37				731.25	731.25			
20	08/15/37	45,000.00	45,000.00	3.250%	731.25	45,731.25	46,462.50	1,659,559,422	0.03
TOTALS			\$950,000.00		\$318,721.18	\$1,268,721.18	\$1,268,721.18		

*These interest rates are based on the current market as of 11/14/16.
 The market is very volatile. Please check with us periodically for current rates

NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301

LEVEL DEBT
20 YEAR ESTIMATED DEBT SCHEDULE FOR
TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
ESTIMATED YEARLY INCREASE: 0%
DATE PREPARED: 12/16/16
BONDS DATED: June 2017 08/15/17
INTEREST START DATE: 211 Days 07/14/17
FIRST INTEREST PAYMENT: 02/15/18
NET INTEREST COST: 3.2500% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$18,096.18	\$18,096.18			
1	08/15/18	\$950,000.00	\$45,000.00	3.250%	15,437.50	60,437.50	\$78,533.68	1,659,559,422	0.05
	02/15/19				14,706.25	14,706.25			
2	08/15/19	905,000.00	35,000.00	3.250%	14,706.25	49,706.25	64,412.50	1,659,559,422	0.04
	02/15/20				14,137.50	14,137.50			
3	08/15/20	870,000.00	35,000.00	3.250%	14,137.50	49,137.50	63,275.00	1,659,559,422	0.04
	02/15/21				13,568.75	13,568.75			
4	08/15/21	835,000.00	35,000.00	3.250%	13,568.75	48,568.75	62,137.50	1,659,559,422	0.04
	02/15/22				13,000.00	13,000.00			
5	08/15/22	800,000.00	40,000.00	3.250%	13,000.00	53,000.00	66,000.00	1,659,559,422	0.04
	02/15/23				12,350.00	12,350.00			
6	08/15/23	760,000.00	40,000.00	3.250%	12,350.00	52,350.00	64,700.00	1,659,559,422	0.04
	02/15/24				11,700.00	11,700.00			
7	08/15/24	720,000.00	40,000.00	3.250%	11,700.00	51,700.00	63,400.00	1,659,559,422	0.04
	02/15/25				11,050.00	11,050.00			
8	08/15/25	680,000.00	45,000.00	3.250%	11,050.00	56,050.00	67,100.00	1,659,559,422	0.04
	02/15/26				10,318.75	10,318.75			
9	08/15/26	635,000.00	45,000.00	3.250%	10,318.75	55,318.75	65,637.50	1,659,559,422	0.04
	02/15/27				9,587.50	9,587.50			
10	08/15/27	590,000.00	45,000.00	3.250%	9,587.50	54,587.50	64,175.00	1,659,559,422	0.04
	02/15/28				8,856.25	8,856.25			
11	08/15/28	545,000.00	45,000.00	3.250%	8,856.25	53,856.25	62,712.50	1,659,559,422	0.04
	02/15/29				8,125.00	8,125.00			
12	08/15/29	500,000.00	50,000.00	3.250%	8,125.00	58,125.00	66,250.00	1,659,559,422	0.04
	02/15/30				7,312.50	7,312.50			
13	08/15/30	450,000.00	50,000.00	3.250%	7,312.50	57,312.50	64,625.00	1,659,559,422	0.04
	02/15/31				6,500.00	6,500.00			
14	08/15/31	400,000.00	50,000.00	3.250%	6,500.00	56,500.00	63,000.00	1,659,559,422	0.04
	02/15/32				5,687.50	5,687.50			
15	08/15/32	350,000.00	55,000.00	3.250%	5,687.50	60,687.50	66,375.00	1,659,559,422	0.04
	02/15/33				4,793.75	4,793.75			
16	08/15/33	295,000.00	55,000.00	3.250%	4,793.75	59,793.75	64,587.50	1,659,559,422	0.04
	02/15/34				3,900.00	3,900.00			
17	08/15/34	240,000.00	55,000.00	3.250%	3,900.00	58,900.00	62,800.00	1,659,559,422	0.04
	02/15/35				3,006.25	3,006.25			
18	08/15/35	185,000.00	60,000.00	3.250%	3,006.25	63,006.25	66,012.50	1,659,559,422	0.04
	02/15/36				2,031.25	2,031.25			
19	08/15/36	125,000.00	60,000.00	3.250%	2,031.25	62,031.25	64,062.50	1,659,559,422	0.04
	02/15/37				1,056.25	1,056.25			
20	08/15/37	65,000.00	65,000.00	3.250%	1,056.25	66,056.25	67,112.50	1,659,559,422	0.04
TOTALS			\$950,000.00		\$356,908.68	\$1,306,908.68	\$1,306,908.68		

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**NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301**

LEVEL PRINCIPAL

10 YEAR **ESTIMATED** DEBT SCHEDULE FOR
TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
 ESTIMATED YEARLY INCREASE: 0%
 DATE PREPARED: 12/16/16
 BONDS DATED: JUNE 2017 08/15/17
 INTEREST START DATE: 211 Days 07/14/17
 FIRST INTEREST PAYMENT: 02/15/18
 NET INTEREST COST: 2.4990% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$13,920.14	\$13,920.14			
1	08/15/18	\$950,000.00	\$95,000.00	2.500%	11,875.00	106,875.00	\$120,795.14	\$1,659,559,422	0.07
	02/15/19				10,687.50	10,687.50			
2	08/15/19	855,000.00	95,000.00	2.500%	10,687.50	105,687.50	116,375.00	1,659,559,422	0.07
	02/15/20				9,500.00	9,500.00			
3	08/15/20	760,000.00	95,000.00	2.500%	9,500.00	104,500.00	114,000.00	1,659,559,422	0.07
	02/15/21				8,312.50	8,312.50			
4	08/15/21	665,000.00	95,000.00	2.500%	8,312.50	103,312.50	111,625.00	1,659,559,422	0.07
	02/15/22				7,125.00	7,125.00			
5	08/15/22	570,000.00	95,000.00	2.500%	7,125.00	102,125.00	109,250.00	1,659,559,422	0.07
	02/15/23				5,937.50	5,937.50			
6	08/15/23	475,000.00	95,000.00	2.500%	5,937.50	100,937.50	106,875.00	1,659,559,422	0.06
	02/15/24				4,750.00	4,750.00			
7	08/15/24	380,000.00	95,000.00	2.500%	4,750.00	99,750.00	104,500.00	1,659,559,422	0.06
	02/15/25				3,562.50	3,562.50			
8	08/15/25	285,000.00	95,000.00	2.500%	3,562.50	98,562.50	102,125.00	1,659,559,422	0.06
	02/15/26				2,375.00	2,375.00			
9	08/15/26	190,000.00	95,000.00	2.500%	2,375.00	97,375.00	99,750.00	1,659,559,422	0.06
	02/15/27				1,187.50	1,187.50			
10	08/15/27	95,000.00	95,000.00	2.500%	1,187.50	96,187.50	97,375.00	1,659,559,422	0.06
TOTALS			\$950,000.00		\$132,670.14	\$1,082,670.14	\$1,082,670.14		

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**NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301**

LEVEL DEBT
10 YEAR ESTIMATED DEBT SCHEDULE FOR
TOWN OF GILFORD

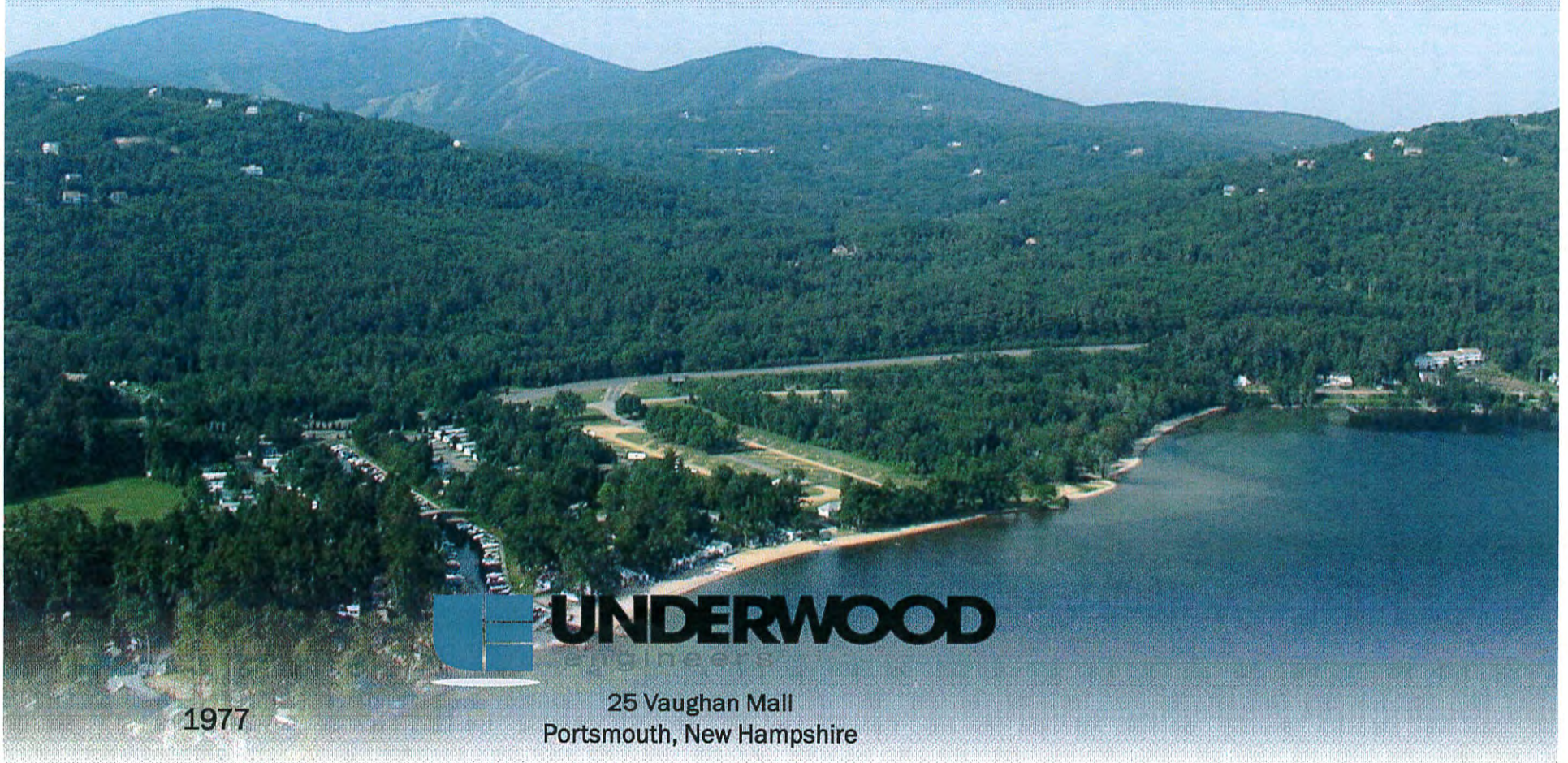
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DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$13,920.14	\$13,920.14			
1	08/15/18	\$950,000.00	\$85,000.00	2.500%	11,875.00	96,875.00	\$110,795.14	\$1,659,559,422	0.07
	02/15/19				10,812.50	10,812.50			
2	08/15/19	865,000.00	85,000.00	2.500%	10,812.50	95,812.50	106,625.00	1,659,559,422	0.06
	02/15/20				9,750.00	9,750.00			
3	08/15/20	780,000.00	90,000.00	2.500%	9,750.00	99,750.00	109,500.00	1,659,559,422	0.07
	02/15/21				8,625.00	8,625.00			
4	08/15/21	690,000.00	90,000.00	2.500%	8,625.00	98,625.00	107,250.00	1,659,559,422	0.06
	02/15/22				7,500.00	7,500.00			
5	08/15/22	600,000.00	95,000.00	2.500%	7,500.00	102,500.00	110,000.00	1,659,559,422	0.07
	02/15/23				6,312.50	6,312.50			
6	08/15/23	505,000.00	95,000.00	2.500%	6,312.50	101,312.50	107,625.00	1,659,559,422	0.06
	02/15/24				5,125.00	5,125.00			
7	08/15/24	410,000.00	100,000.00	2.500%	5,125.00	105,125.00	110,250.00	1,659,559,422	0.07
	02/15/25				3,875.00	3,875.00			
8	08/15/25	310,000.00	100,000.00	2.500%	3,875.00	103,875.00	107,750.00	1,659,559,422	0.06
	02/15/26				2,625.00	2,625.00			
9	08/15/26	210,000.00	105,000.00	2.500%	2,625.00	107,625.00	110,250.00	1,659,559,422	0.07
	02/15/27				1,312.50	1,312.50			
10	08/15/27	105,000.00	105,000.00	2.500%	1,312.50	106,312.50	107,625.00	1,659,559,422	0.06
TOTALS			\$950,000.00		\$137,670.14	\$1,087,670.14	\$1,087,670.14		

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Town of Gilford, New Hampshire Board of Selectmen's Meeting

*Varney Point Road Pumping Stations - Update
March 9, 2016*



25 Vaughan Mall
Portsmouth, New Hampshire

1977

VARNEY POINT ROAD – LEFT

Existing Conditions



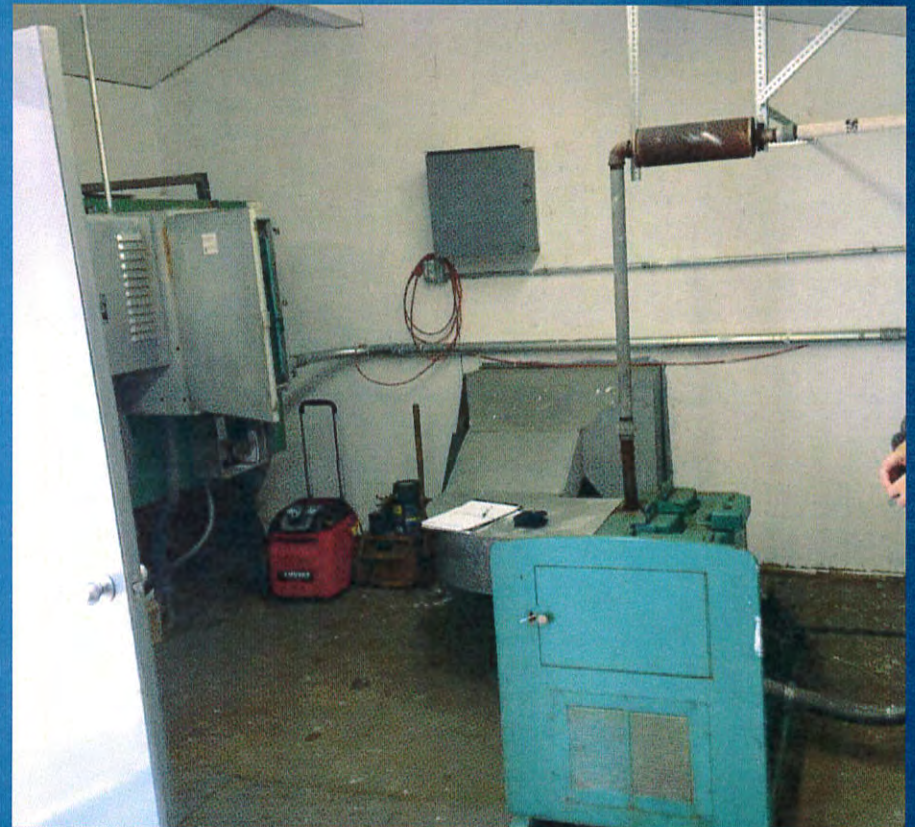
VARNEY POINT ROAD – LEFT

Existing Conditions



VARNEY POINT ROAD – LEFT

Existing Conditions



VARNEY POINT ROAD – RIGHT

Existing Conditions



VARNEY POINT ROAD – RIGHT

Existing Conditions



VARNEY POINT ROAD – RIGHT Existing Conditions



PRELIMINARY (30%) DESIGN - VPR PUMPING STATION REPLACEMENT LEFT
OPINION OF PROBABLE CONSTRUCTION COST
VARNEY POINT ROAD WASTEWATER PUMPING STATION IMPROVEMENTS

September 13, 2016

ITEM	QUANTITY	UNIT	UNIT PRICE	PROBABLE COST
General Requirements (15%)	1	LS	\$ 40,000	\$40,000
Site preparation	1	LS	\$ 5,000	\$5,000
Demo and abandon existing pumps and generator	1	LS	\$ 8,000	\$8,000
Utility Allowance	1	ALL	\$ 5,000	\$5,000
New wood frame construction building	300	SF	\$ 100	\$30,000
Building slab extension	1	LS	\$ 10,000	\$10,000
Building slab frost protection	1	LS	\$ 15,000	\$15,000
Pumps & Controls, skid mounted (Gorman Rupp budget quote)	1	LS	\$ 55,000	\$55,000
VFD Phase Converter	1	LS	\$ 10,000	\$10,000
Installation of Pumps	1	LS	\$ 10,000	\$10,000
Clean wetwell	15	VF	\$ 100	\$1,500
Bypass Pumping	1	LS	\$ 10,000	\$10,000
Interior Piping and Valves	1	LS	\$ 5,000	\$5,000
Reconfigure existing wetwell piping	1	LS	\$ 5,000	\$5,000
Sitework, paving and landscaping	1	LS	\$ 5,000	\$5,000
Generator, ATS, controls, misc. electrical	1	LS	\$ 60,000	\$60,000
HV Equipment	1	LS	\$ 17,000	\$17,000
Instrumentation Allowance (Flowmeter, intrusion alarm, etc.)	1	ALL	\$ 15,000	\$15,000
<i>SUBTOTAL</i>				\$307,000
Contingency - 20%				\$61,400
Design, Engineering and Construction Services (25%)				\$76,800
Easements (Allow)				\$20,000
<i>TOTAL PROJECT COSTS</i>				\$465,000

Notes:

Items and/or unit costs in bold text represent updated cost for the 30% design. The remaining items and costs remain from the report phase (UE February 2016)

\$369,000

NOT included in Project BOND

PRELIMINARY (30%) DESIGN - VPR PUMPING STATION REPLACEMENT RIGHT
OPINION OF PROBABLE CONSTRUCTION COST
VARNEY POINT ROAD WASTEWATER PUMPING STATION IMPROVEMENTS

September 13, 2016

ITEM	QUANTITY	UNIT	UNIT PRICE	PROBABLE COST
General Requirements (15%)	1	LS	\$ 39,000	\$39,000
Site preparation	1	LS	\$ 5,000	\$5,000
Demo and abandon existing pumps and generator	1	LS	\$ 8,000	\$8,000
Utility Allowance	1	ALL	\$ 5,000	\$5,000
Building Modifications for wetwell separation (door modification)	1	LS	\$ 5,000	\$5,000
Building slab frost protection	1	LS	\$ 15,000	\$15,000
Building Slab Repairs	1	LS	\$ 10,000	\$10,000
Building maintenance/repair (siding, roof, etc.)	1	LS	\$ 5,000	\$5,000
Pumps & Controls, skid mounted (Gorman Rupp budget quote)	1	LS	\$ 55,000	\$55,000
VFD Phase Converter	1	LS	\$ 10,000	\$10,000
Installation of Pumps	1	LS	\$ 10,000	\$10,000
Clean wetwell	15	VF	\$ 100	\$1,500
Bypass Pumping	1	LS	\$ 10,000	\$10,000
Interior Piping and Valves	1	LS	\$ 5,000	\$5,000
Reconfigure existing wetwell piping	1	LS	\$ 5,000	\$5,000
Sitework, paving and landscaping	1	LS	\$ 5,000	\$5,000
Generator, ATS, controls, misc. electrical	1	LS	\$ 71,000	\$71,000
HV Equipment	1	LS	\$ 17,000	\$17,000
Instrumentation Allowance (Flowmeter, intrusion alarm, etc.)	1	ALL	\$ 15,000	\$15,000
SUBTOTAL				\$297,000
Contingency - 20%				\$59,400
Design, Engineering and Construction Services (25%)				\$74,300
Easements (Allow)				\$5,000
TOTAL PROJECT COSTS				\$435,500

Notes:

Items and/or unit costs in bold text represent updated cost for the 30% design. The remaining items and costs remain from the report phase (UE February 2016)

\$ 356,000

NOT INCLUDED IN PROJECT BOND

**NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301**

LEVEL PRINCIPAL
20 YEAR ESTIMATED DEBT SCHEDULE FOR
TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
 ESTIMATED YEARLY INCREASE 0%
 DATE PREPARED: 12/21/16
 BONDS DATED: JUNE 2017 08/15/17
 INTEREST START DATE: 211 Days 07/14/17
 FIRST INTEREST PAYMENT: 02/15/18
 NET INTEREST COST: 3.2500% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$13,810.24	\$13,810.24			
1	08/15/18	\$725,000.00	\$40,000.00	3.250%	11,781.25	51,781.25	\$65,591.49	1,659,559,422	0.04
	02/15/19				11,131.25	11,131.25			
2	08/15/19	685,000.00	40,000.00	3.250%	11,131.25	51,131.25	62,262.50	1,659,559,422	0.04
	02/15/20				10,481.25	10,481.25			
3	08/15/20	645,000.00	40,000.00	3.250%	10,481.25	50,481.25	60,962.50	1,659,559,422	0.04
	02/15/21				9,831.25	9,831.25			
4	08/15/21	605,000.00	40,000.00	3.250%	9,831.25	49,831.25	59,662.50	1,659,559,422	0.04
	02/15/22				9,181.25	9,181.25			
5	08/15/22	565,000.00	40,000.00	3.250%	9,181.25	49,181.25	58,362.50	1,659,559,422	0.04
	02/15/23				8,531.25	8,531.25			
6	08/15/23	525,000.00	35,000.00	3.250%	8,531.25	43,531.25	52,062.50	1,659,559,422	0.03
	02/15/24				7,962.50	7,962.50			
7	08/15/24	490,000.00	35,000.00	3.250%	7,962.50	42,962.50	50,925.00	1,659,559,422	0.03
	02/15/25				7,393.75	7,393.75			
8	08/15/25	455,000.00	35,000.00	3.250%	7,393.75	42,393.75	49,787.50	1,659,559,422	0.03
	02/15/26				6,825.00	6,825.00			
9	08/15/26	420,000.00	35,000.00	3.250%	6,825.00	41,825.00	48,650.00	1,659,559,422	0.03
	02/15/27				6,256.25	6,256.25			
10	08/15/27	385,000.00	35,000.00	3.250%	6,256.25	41,256.25	47,512.50	1,659,559,422	0.03
	02/15/28				5,687.50	5,687.50			
11	08/15/28	350,000.00	35,000.00	3.250%	5,687.50	40,687.50	46,375.00	1,659,559,422	0.03
	02/15/29				5,118.75	5,118.75			
12	08/15/29	315,000.00	35,000.00	3.250%	5,118.75	40,118.75	45,237.50	1,659,559,422	0.03
	02/15/30				4,550.00	4,550.00			
13	08/15/30	280,000.00	35,000.00	3.250%	4,550.00	39,550.00	44,100.00	1,659,559,422	0.03
	02/15/31				3,981.25	3,981.25			
14	08/15/31	245,000.00	35,000.00	3.250%	3,981.25	38,981.25	42,962.50	1,659,559,422	0.03
	02/15/32				3,412.50	3,412.50			
15	08/15/32	210,000.00	35,000.00	3.250%	3,412.50	38,412.50	41,825.00	1,659,559,422	0.03
	02/15/33				2,843.75	2,843.75			
16	08/15/33	175,000.00	35,000.00	3.250%	2,843.75	37,843.75	40,687.50	1,659,559,422	0.02
	02/15/34				2,275.00	2,275.00			
17	08/15/34	140,000.00	35,000.00	3.250%	2,275.00	37,275.00	39,550.00	1,659,559,422	0.02
	02/15/35				1,706.25	1,706.25			
18	08/15/35	105,000.00	35,000.00	3.250%	1,706.25	36,706.25	38,412.50	1,659,559,422	0.02
	02/15/36				1,137.50	1,137.50			
19	08/15/36	70,000.00	35,000.00	3.250%	1,137.50	36,137.50	37,275.00	1,659,559,422	0.02
	02/15/37				568.75	568.75			
20	08/15/37	35,000.00	35,000.00	3.250%	568.75	35,568.75	36,137.50	1,659,559,422	0.02
TOTALS			\$725,000.00		\$243,341.49	\$968,341.49	\$968,341.49		

*These interest rates are based on the current market as of 11/14/16.
 The market is very volatile. Please check with us periodically for current rates

NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301

LEVEL DEBT
20 YEAR ESTIMATED DEBT SCHEDULE FOR
TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
ESTIMATED YEARLY INCREASE: 0%
DATE PREPARED: 12/21/16
BONDS DATED: June 2017 08/15/17
INTEREST START DATE: 211 Days 07/14/17
FIRST INTEREST PAYMENT: 02/15/18
NET INTEREST COST: 3.2500% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$13,810.24	\$13,810.24			
1	08/15/18	\$725,000.00	\$35,000.00	3.250%	11,781.25	46,781.25	\$60,591.49	1,659,559,422	0.04
	02/15/19				11,212.50	11,212.50			
2	08/15/19	690,000.00	25,000.00	3.250%	11,212.50	36,212.50	47,425.00	1,659,559,422	0.03
	02/15/20				10,806.25	10,806.25			
3	08/15/20	665,000.00	30,000.00	3.250%	10,806.25	40,806.25	51,612.50	1,659,559,422	0.03
	02/15/21				10,318.75	10,318.75			
4	08/15/21	635,000.00	30,000.00	3.250%	10,318.75	40,318.75	50,637.50	1,659,559,422	0.03
	02/15/22				9,831.25	9,831.25			
5	08/15/22	605,000.00	30,000.00	3.250%	9,831.25	39,831.25	49,662.50	1,659,559,422	0.03
	02/15/23				9,343.75	9,343.75			
6	08/15/23	575,000.00	30,000.00	3.250%	9,343.75	39,343.75	48,687.50	1,659,559,422	0.03
	02/15/24				8,856.25	8,856.25			
7	08/15/24	545,000.00	30,000.00	3.250%	8,856.25	38,856.25	47,712.50	1,659,559,422	0.03
	02/15/25				8,368.75	8,368.75			
8	08/15/25	515,000.00	30,000.00	3.250%	8,368.75	38,368.75	46,737.50	1,659,559,422	0.03
	02/15/26				7,881.25	7,881.25			
9	08/15/26	485,000.00	35,000.00	3.250%	7,881.25	42,881.25	50,762.50	1,659,559,422	0.03
	02/15/27				7,312.50	7,312.50			
10	08/15/27	450,000.00	35,000.00	3.250%	7,312.50	42,312.50	49,625.00	1,659,559,422	0.03
	02/15/28				6,743.75	6,743.75			
11	08/15/28	415,000.00	35,000.00	3.250%	6,743.75	41,743.75	48,487.50	1,659,559,422	0.03
	02/15/29				6,175.00	6,175.00			
12	08/15/29	380,000.00	35,000.00	3.250%	6,175.00	41,175.00	47,350.00	1,659,559,422	0.03
	02/15/30				5,606.25	5,606.25			
13	08/15/30	345,000.00	40,000.00	3.250%	5,606.25	45,606.25	51,212.50	1,659,559,422	0.03
	02/15/31				4,956.25	4,956.25			
14	08/15/31	305,000.00	40,000.00	3.250%	4,956.25	44,956.25	49,912.50	1,659,559,422	0.03
	02/15/32				4,306.25	4,306.25			
15	08/15/32	265,000.00	40,000.00	3.250%	4,306.25	44,306.25	48,612.50	1,659,559,422	0.03
	02/15/33				3,656.25	3,656.25			
16	08/15/33	225,000.00	40,000.00	3.250%	3,656.25	43,656.25	47,312.50	1,659,559,422	0.03
	02/15/34				3,006.25	3,006.25			
17	08/15/34	185,000.00	45,000.00	3.250%	3,006.25	48,006.25	51,012.50	1,659,559,422	0.03
	02/15/35				2,275.00	2,275.00			
18	08/15/35	140,000.00	45,000.00	3.250%	2,275.00	47,275.00	49,550.00	1,659,559,422	0.03
	02/15/36				1,543.75	1,543.75			
19	08/15/36	95,000.00	45,000.00	3.250%	1,543.75	46,543.75	48,087.50	1,659,559,422	0.03
	02/15/37				812.50	812.50			
20	08/15/37	50,000.00	50,000.00	3.250%	812.50	50,812.50	51,625.00	1,659,559,422	0.03
TOTALS			\$725,000.00		\$271,616.49	\$996,616.49	\$996,616.49		

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**NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301**

LEVEL PRINCIPAL

10 YEAR ESTIMATED DEBT SCHEDULE FOR
TOWN OF GILFORD

2016 ASSESSED VALUATION: \$1,659,559,422
 ESTIMATED YEARLY INCREASE: 0%
 DATE PREPARED: 12/21/16
 BONDS DATED: JUNE 2017 08/15/17
 INTEREST START DATE: 211 Days 07/14/17
 FIRST INTEREST PAYMENT: 02/15/18
 NET INTEREST COST: 2.4990% *

DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$10,623.26	\$10,623.26			
1	08/15/18	\$725,000.00	\$75,000.00	2.500%	9,062.50	84,062.50	\$94,685.76	\$1,659,559,422	0.06
	02/15/19				8,125.00	8,125.00			
2	08/15/19	650,000.00	75,000.00	2.500%	8,125.00	83,125.00	91,250.00	1,659,559,422	0.05
	02/15/20				7,187.50	7,187.50			
3	08/15/20	575,000.00	75,000.00	2.500%	7,187.50	82,187.50	89,375.00	1,659,559,422	0.05
	02/15/21				6,250.00	6,250.00			
4	08/15/21	500,000.00	75,000.00	2.500%	6,250.00	81,250.00	87,500.00	1,659,559,422	0.05
	02/15/22				5,312.50	5,312.50			
5	08/15/22	425,000.00	75,000.00	2.500%	5,312.50	80,312.50	85,625.00	1,659,559,422	0.05
	02/15/23				4,375.00	4,375.00			
6	08/15/23	350,000.00	70,000.00	2.500%	4,375.00	74,375.00	78,750.00	1,659,559,422	0.05
	02/15/24				3,500.00	3,500.00			
7	08/15/24	280,000.00	70,000.00	2.500%	3,500.00	73,500.00	77,000.00	1,659,559,422	0.05
	02/15/25				2,625.00	2,625.00			
8	08/15/25	210,000.00	70,000.00	2.500%	2,625.00	72,625.00	75,250.00	1,659,559,422	0.05
	02/15/26				1,750.00	1,750.00			
9	08/15/26	140,000.00	70,000.00	2.500%	1,750.00	71,750.00	73,500.00	1,659,559,422	0.04
	02/15/27				875.00	875.00			
10	08/15/27	70,000.00	70,000.00	2.500%	875.00	70,875.00	71,750.00	1,659,559,422	0.04
TOTALS			\$725,000.00		\$99,685.76	\$824,685.76	\$824,685.76		

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**NH Municipal Bond Bank
25 Triangle Park Drive
Concord, NH 03301**

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TOWN OF GILFORD

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DEBT YEAR	PERIOD ENDING	PRINCIPAL OUTSTANDING	PRINCIPAL	RATE	INTEREST	TOTAL PAYMENT	CALENDAR YEAR TOTAL PAYMENT	ASSESSED VALUATION	CY-EST. TAX RATE INC.
	02/15/18				\$10,623.26	\$10,623.26			
1	08/15/18	\$725,000.00	\$65,000.00	2.500%	9,062.50	74,062.50	\$84,685.76	\$1,659,559,422	0.05
	02/15/19				8,250.00	8,250.00			
2	08/15/19	660,000.00	65,000.00	2.500%	8,250.00	73,250.00	81,500.00	1,659,559,422	0.05
	02/15/20				7,437.50	7,437.50			
3	08/15/20	595,000.00	70,000.00	2.500%	7,437.50	77,437.50	84,875.00	1,659,559,422	0.05
	02/15/21				6,562.50	6,562.50			
4	08/15/21	525,000.00	70,000.00	2.500%	6,562.50	76,562.50	83,125.00	1,659,559,422	0.05
	02/15/22				5,687.50	5,687.50			
5	08/15/22	455,000.00	70,000.00	2.500%	5,687.50	75,687.50	81,375.00	1,659,559,422	0.05
	02/15/23				4,812.50	4,812.50			
6	08/15/23	385,000.00	75,000.00	2.500%	4,812.50	79,812.50	84,625.00	1,659,559,422	0.05
	02/15/24				3,875.00	3,875.00			
7	08/15/24	310,000.00	75,000.00	2.500%	3,875.00	78,875.00	82,750.00	1,659,559,422	0.05
	02/15/25				2,937.50	2,937.50			
8	08/15/25	235,000.00	75,000.00	2.500%	2,937.50	77,937.50	80,875.00	1,659,559,422	0.05
	02/15/26				2,000.00	2,000.00			
9	08/15/26	160,000.00	80,000.00	2.500%	2,000.00	82,000.00	84,000.00	1,659,559,422	0.05
	02/15/27				1,000.00	1,000.00			
10	08/15/27	80,000.00	80,000.00	2.500%	1,000.00	81,000.00	82,000.00	1,659,559,422	0.05
TOTALS			\$725,000.00		\$104,810.76	\$829,810.76	\$829,810.76		

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