DRAFT 6/30/14

CITY OF BEACON WATER CAPITAL PLAN 2015-2024												
CITT OF BEACON WATER CAPITAL FEAN 2013-2024	2015	2016	2017	2018	2019	2020	2021	2022	2	.023	2	024
	2013	2010	2017	2016	2019	2020	2021	2022		.023		024
WATER TREATMENT TO BUILTY IN ARROUNT AT THE												
WATER TREATMENT FACILITY IMPROVEMENTS												
Upgrade "SCADA" system	\$ 100,000											
Upgrade East Main Pump Station & replace two pumps		\$ 60,000										
Replace Filter Media - 3 filter beds			\$ 90,000									
Replace Influent Valve - contact basin #2				\$ 40,000								
Replace Mt. Beacon Reservoir effluent valve					\$ 40,000							
Re-face Mt. Beacon Dam						?						
WATER TANK MAINTENANCE												Ţ
<u>EQUIPMENT</u>												
Replace 2003 Small Dump #033	\$ 58,000											
Replace 1995 Large Dump #955		\$ 200,000										
Replace 2006 Van #066			\$ 50,000									
Replace 2002 Box Van #022				\$ 62,500								
Replace 2008 Small Dump #088					\$ 65,500							
Replace 2008 Pick Up #081 Car #1						\$ 50,000						
Replace 1997 Flatbed #977							\$ 52,000					
Replace 2012 Small Dump #122								\$ 67,000				
Replace Utility Van (small)									\$	30,000		
Replace Pick-up (WPO)											\$	50,000
TOTAL ANNUAL PROJECT AMOUNTS	\$ 378,000	\$ 270,293	\$ 1,293,005	\$ 342,897	\$ 494,054	\$ 1,815,317	\$ 1,313,455	\$ 201,198	\$	30,000	\$	50,000

Project Name: Upgr	rade SCADA System	m					
Project Type:	Computer Softwa	re Unora	ndes				
Department:	Water Treatment			nts			
Project Priority:	Water Treatment	1 delitty	mpro venie	110			
Project Start Date:	2015						
Project End Date:	2010						
Project Description							
Upgrade "SCADA" system Filtration Facility	/computer monitoring	ng and co	ontrol of var	ious process	ses at Water		
Estimated Project Costs:	Pr		iority Cons				
Legal/Survey/Due Diligence	\$		iorated Facility				
Acquisition Engineering/Design	\$	Public Safety/Legal Mandate					
Construction	\$100,000				onal Efficiency		
Construction Inspect. / Other	\$		irce Conservat				
Total	\$100,000		Expanded Fac	-			
			istency with Fo		Policy		
		Fund	ing Availabilit	у			
Sources of Funding	2015 2016	2017	2018	2019+	Total		
General Revenues	\$100,000 \$	\$	\$	\$	\$100,000		
Project Needs							
Operating Cost Considera	ations						

Project Name:	Upgrade I	East Main Pu	ımp Stat	ion				
Project Type:	Pur	np Station U	ngrade					
Department:		iter Treatmen		Improveme	ente			
Project Priority:	1110	tter Treatmen	it I dellity	Improvem.	Jittsj	-		
Project Start Date:	201	6						
Project End Date:	201	.0						
Troject End Date.								
Project Description								
Upgrade East Main St	reet Pump s	Station and re	eplace tw	o pumps				
Estimated Project Co	osts:	P	roject P	riority Con	siderations	•		
Legal/Survey/Due Dilige	nce	\$	Dete	riorated Facili	ty			
Acquisition		\$	Publ	ic Safety/Lega	l Mandate			
Engineering/Design		\$	Systematic Replacement/Operational Efficiency					
Construction	,	\$60,000				nental Quality		
Construction Inspect. / Ot Total	iner	\$ \$		Expanded Fac				
Total		\$60,000		sistency with F				
						of Folicy		
			Fund	ling Availabili	ty			
Sources of Funding	201	5 2016	2017	2018	2019+	Total		
General Reven	ues \$	\$60,000	\$	\$	\$	\$60,000	7	
Project Needs								
Operating Cost Cons	iderations						_	

Project Name:	Replace Filter M	ledia					
Project Type:	Upgrade						
Department:	Water Tre	atment	Facility	Improv	vemen	ts	
Project Priority:							
Project Start Date:	2017						
Project End Date:							
Project Description							
Replace filter media at	Water Treatment	Plant –	3 filter	beds			
Estimated Project Co		Pro				deration	S:
Legal/Survey/Due Diliger		_ L		iorated F			
Acquisition Engineering/Design	\$ \$	_	Public Safety/Legal Mandate				
Construction		$\overline{}$	Systematic Replacement/Operational Efficiency				
Construction Inspect. / Ot	\$90,000						mental Quality
Total	\$90,000	_ [New/		ed Facil	ity or Prog	ram
						mal Plans	
		-		ing Avail			
Sources of Funding General Revenue		016	2017	201		2019 +	
General Reven	ies 5 5	1	590,000	\$		\$	\$90,000
Project Needs							
Operating Cost Consi	derations						

Project Name:	Replace Ir	ıfluent Val	ve					
ъ								
Project Type:		grade						
Department:	Wa Wa	ter Treatme	nt Facility	Improvmen	nts			
Project Priority:								
Project Start Date:	201	8						
Project End Date:								
Project Description								
Replace influent valve	- contact h	pasin #2						
Estimated Project Co	sts:		Project Pr	riority Con	siderations	1 •		
Legal/Survey/Due Diliger	nce	\$		riorated Facili				
Acquisition		\$		ic Safety/Lega				
Engineering/Design		\$		Systematic Replacement/Operational Efficiency				
Construction		\$40,000		Resource Conservation/Environmental Quality				
Construction Inspect. / Ot	her	\$						
Total		\$40,000		Expanded Fac				
				istency with F		or Policy		
			Fund	ing Availabili	ty			
		5 4017	2018		2010.	T-4-1		
Sources of Funding	201:		2017	2018	2019+	Total		
Sources of Funding General Reven		\$	\$	2018 \$40,000	\$	\$40,000		
General Reven	ues \$							

Project Name:	Replace M	t. Beacon E	Effluent V	alve			
Project Type:		rovements					
Department:	Wat	er Treatmer	nt Facility	Improveme	ents		
Project Priority:							
Project Start Date:	2019	9					
Project End Date:							
Project Description							
Replace Mt. Beacon e	ffluent valve	2					
1							
Estimated Project Co	osts:	I	Project Pr	riority Con	siderations	5:	
Legal/Survey/Due Dilige		\$		riorated Facili			
Acquisition \$			Publi	ic Safety/Lega	l Mandate		
Engineering/Design	\$	Systematic Replacement/Operational Efficiency					
Construction		\$40,000				mental Quality	
Construction Inspect. / O Total		\$ 000		Expanded Fac			
Total		\$40,000		istency with F			
						JI Policy	
			Fund	ing Availabili	ту		
Sources of Funding	2015	5 2016	2017	2018	2019+	Total	
General Reven		\$	\$	\$	\$40,000	\$40,000	
				1 -	φ . σ,σσσ	Τ φ 10,000	
Project Needs							
21 Sjeet Heeds							
Operating Cost Cons	idonotiona						
Operating Cost Cons	iderations						

Project Name:	Reface M	t. Beacon D	am				
Project Type:	Do	m. Tasa asaa aa	20003000				
		m Improven		*11**	,		
Department:		ater Treatme	nt Fa	cility	Improvem	nents	
Project Priority:	-	•					
Project Start Date:	202	20					
Project End Date:							
Project Description							
Reface Mt. Beacon Da	am						
Estimated Project Co			Proje	ect Pri	ority Cor	isideration	s:
Legal/Survey/Due Dilige	nce	\$		Dete	riorated Fac	cility	
Acquisition		\$		Publ	ic Safety/Le	gal Mandate	
Engineering/Design Construction		\$ \$ \$		Syste	ematic Repl	acement/Oper	rational Efficiency
Construction Inspect. / O	than	\$1,500,000 \$					onmental Quality
Total	nei	\$1,500,000				Facility or Pro	
Total		\$1,500,000	-			h Formal Plan	_
			-		ling Availab		s of Folicy
				Tunc	mig Avanau		
Sources of Funding	201			017	2018	2019-	
General Reven	ues \$		\$		\$	\$	\$1,500,000
Project Needs							
Operating Cost Cons	iderations						
		\$	\$		\$	\$	\$1,500,000

Project Name: R	eplace 20	003	Small Du	ımı)			
Project Type:	Pur	cha	se of Equ	inm	nent			
Department:			Sewer	pm.	IOIIC			
Project Priority:		ttC1/	<u>SCWC1</u>					
Project Start Date:	201	15						
		IJ						
Project End Date:								
Project Description								
Replace 2003 Small Dur	mp #033							
Estimated Project Cost			P	roj		iority Cons		
Legal/Survey/Due Diligenc	e	\$				riorated Facilit		
Acquisition			3,000		1	c Safety/Legal		
Engineering/Design		\$			Syste	matic Replace	ment/Operati	ional Efficiency
Construction Insurant (Other		\$			Reso	urce Conserva	tion/Environi	mental Quality
Construction Inspect. / Other	:r1	\$				Expanded Fac		
Totat		Ф			-	istency with F		
					_	<u> </u>		n Toney
					Fund	ing Availabilit	.y	
Sources of Funding	201		2016	-	017	2018	2019+	
General Revenue	es \$58,0	00	\$	\$		\$	\$	\$58,000
Project Needs								
Operating Cost Consid	lerations							

Project Name:	Replace :	1995 Large	Dun	ıp Tru	ck			
Project Type:	Pı	ırchase of E	Equipr	nent			1	
Department:		ater/Sewer						
Project Priority:	· · · · ·							
Project Start Date:	2.0)16						
Project End Date:		710						
Troject Ena Bate.								
Project Description								
Replace 1995 Large D	ump #955	5						
Estimated Project Co			Pro		iority Cons		<u> </u>	
Legal/Survey/Due Dilige	nce	\$			riorated Facilit			
Acquisition (Decision		\$200,000			c Safety/Lega			
Engineering/Design Construction		\$		Syste	ematic Replace	ment/Operation	onal Efficiency	
Construction Inspect. / O	thar	\$		Reso	urce Conserva	tion/Environn	nental Quality	
Total	tilei	\$		New	Expanded Fac	ility or Progra	am	
1000		Ψ	, =		istency with F			
					ing Availabilit			
			L					
Sources of Funding	20	015 201	6	2017	2018	2019+	Total	
General Reven		\$200,0		5	\$	\$	\$200,000	
General Reven	Ψ	ψ200,0	300 0	Ρ	Ι Ψ	ĮΨ	Ψ200,000	
Project Needs								
Project Needs								
Operating Cost Cons	ideration	S						

Project Name:	Replace 200	6 Van				
Duainat Truna	Dunah	oso of Equi	nmant			
Project Type:		ase of Equi	pmem			
Department:	Water	:/Sewer				
Project Priority:						
Project Start Date:	2017					
Project End Date:						
Project Description						
Replace 2006 Van #0	066					
Estimated Project C	Costs:	Pı	oiect Pr	iority Con	siderations	
Legal/Survey/Due Dilig		.55,81		iorated Facili		7
Acquisition		50,000		c Safety/Lega		
Engineering/Design	\$					onal Efficiency
Construction	\$				•	
Construction Inspect. / C					ation/Environn	
Total	\$		1 1	_	cility or Progra	
			Consi	stency with I	Formal Plans o	r Policy
			Fundi	ing Availabil	ity	
Sources of Funding General Reve	2015	2016	2017 \$50,000	2018	2019+	Total \$50,000
Project Needs						
Operating Cost Con	siderations					

Project Name:	Replace 2	008 Small D	ump							
Project Type:	Pu	rchase of Equ	uipment							
Department:		ater/Sewer	_							
Project Priority:										
Project Start Date:	20	19								
Project End Date:										
Project Description										
Replace 2008 Small Du	ımp Trucl	k #088								
Estimated Project Co	sts:	1	Project Pi	riority Con	siderations	J :				
Legal/Survey/Due Diligen		\$		riorated Facili						
Acquisition		\$65,500	Publi	Public Safety/Legal Mandate						
Engineering/Design		\$	Syste	Systematic Replacement/Operational Efficiency						
Construction Construction Inspect. / Otl		\$				mental Quality				
Total	ier	\$		Expanded Fac						
Total		Ψ		istency with F						
				ing Availabili						
			<u> </u>							
Sources of Funding	20	15 2016	2017	2018	2019	Total				
General Revenu		\$	\$	\$	\$65,500	\$65,500				
Goneral Revent	Ευ	ΙΨ	ŢΨ	ĮΨ	ψου,υσο	φουμού				
Project Needs										
Trojectivecus										
Operating Cost Consi	derations	s								
operating cost consi	<u>uoruon</u>									

Project Name:	Replace 2	008 Pick U	p					
Project Type:	quipme	nt						
Department:	Water/Sewer							
Project Priority:								
Project Start Date:	202	20						
Project End Date:								
Project Description								
Replace Pick Up #081	1 Car #1							
Estimated Project Co						siderations	:	
Legal/Survey/Due Dilige	ence	\$ 0.000			orated Facili			
Acquisition Engineering/Design		\$50,000			Safety/Lega			
Construction		\$	1 1	Systematic Replacement/Operational Efficiency				
		\$		Resource Conservation/Environmental Quality				
Construction Inspect. / Other \$ Total \$				New/Expanded Facility or Program				
Total				Consistency with Formal Plans or Policy				
				Fundir	ıg Availabili	ty		
Sources of Funding	20:				2018	2020	Total	
General Reven	nues \$	\$	\$		\$	\$50,000	\$50,000	
Project Needs								

Project Name:	Replace 1997 Flatbed				
Project Type:	Purchase of Equ	ipment			
Department:	Water/Sewer				
Project Priority:	1, 4,000, 50, 1,01				
Project Start Date:	2021				
Project End Date:	2021				
Troject Blid Bute.					
Project Description					
Replace 1997 Flatbed	#977				
Estimated Project Content Legal/Survey/Due Diliger Acquisition Engineering/Design Construction Construction Inspect. / Other Total	s	Publi Syste Reso New/ Cons Fund	urce Conserva Expanded Facistency with Fing Availabili	ty I Mandate ement/Operati ation/Environ cility or Progr formal Plans o	ional Efficiency mental Quality am or Policy
Sources of Funding	2015 2016	2017	2018	2021	Total
General Reven	nues \$ \$	\$	\$	\$52,000	\$52,000
Project Needs					

roject Type: Department: roject Priority: roject Start Date:								
roject Priority: roject Start Date:	Purchase of E		quip	ment				
roject Start Date:	Water/Sewer							
-								
	2022							
Project End Date:								
roject Description								
eplace 2012 Small D	ump	#122						
- F 2012 Silimit D								
stimated Project Co		- i	Φ 1	Pro	·		siderations	S:
Legal/Survey/Due Dilige Acquisition	nce		\$ \$67,000	-		iorated Facili	<u> </u>	
Acquisition Engineering/Design			\$ \$ \$ \$		Public Safety/Legal Mandate			
Construction			\$		Systematic Replacement/Operational Efficiency			
Construction Inspect. / Other			\$		Resource Conservation/Environmental Quality			
Total			\$		New/Expanded Facility or Program			
					Consistency with Formal Plans or Policy			
				Fund	ng Availabili	ty		
6 T		201	.		2015	2010	2022	TD 4 1
ources of Funding	Í	201			2017	2018	2022	Total
General Reven	nues	\$	\$		\$	\$	\$67,000	\$67,000

Capital Improvement Program	201.	5-2024					
Project Name: Replace St	mall Utility Va	ın					
Project Type: Put	rchase of Equip	oment					
	Water/Sewer						
Project Priority:							
Project Start Date: 202	2023						
Project End Date:							
Project Description Replace utility van (small)							
Estimated Project Costs:	Pr	oject Pr	iority Cons	siderations	:		
Legal/Survey/Due Diligence	\$		iorated Facilit	•			
Acquisition	\$30,000	Publi	c Safety/Lega	l Mandate			
Engineering/Design Construction	\$		-	-	ional Efficiency		
Construction Inspect. / Other	\$				mental Quality		
Total	\$		Expanded Fac				
			istency with F		or Policy		
		Fund	ing Availabili	ty			
Sources of Funding 20:	15 2016	2017	2018	2023	Total		
General Revenues \$	\$	\$	\$	\$30,000	\$30,000		
Project Description							

Operating Cost Considerations

Project Name:	Replace Pick Up						
Ducinet True	Donahana a£1	C:					
Project Type:	Purchase of Equipment Water/Sewer						
Department:	w ater/Sewer						
Project Priority:							
Project Start Date:	2024						
Project End Date:							
Project Description							
Replace Pick Up (WP	O)						
1	,	ie.					
Estimated Project Co	osts:	Project Pr	riority Con	siderations	3.		
Legal/Survey/Due Dilige	s \$ \$ \$50,000	Dete	riorated Facili	ty			
Acquisition	Publ	Public Safety/Legal Mandate					
Engineering/Design	\$	Syste	Systematic Replacement/Operational Efficiency				
Construction	\$	Resource Conservation/Environmental Quality					
Construction Inspect. / O Total	ther \$		New/Expanded Facility or Program				
Total		sistency with F					
			ling Availabili				
		Tune	Ing / Ivanaom	t y			
Sources of Funding	2015 201	6 2017	2018	2024	Total		
General Reven	nues \$ \$	\$	\$	\$50,000	\$50,000		
	***		1	el el			
Project Needs							
ii-							
0 40	• 1 4•						
Operating Cost Cons	iderations						