

## DRAFT 6/30/14

<u>CITY OF BEACON WATER CAPITAL PLAN 2015-2024</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
<u>WATER TREATMENT FACILITY IMPROVEMENTS</u>										
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						?				
<u>WATER TANK MAINTENANCE</u>										
<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
<b>TOTAL ANNUAL PROJECT AMOUNTS</b>	<b>\$ 378,000</b>	<b>\$ 270,293</b>	<b>\$ 1,293,005</b>	<b>\$ 342,897</b>	<b>\$ 494,054</b>	<b>\$ 1,815,317</b>	<b>\$ 1,313,455</b>	<b>\$ 201,198</b>	<b>\$ 30,000</b>	<b>\$ 50,000</b>

Project Name: **Upgrade SCADA System**

Project Type:	Computer Software Upgrades
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2015
Project End Date:	

**Project Description**

Upgrade "SCADA" system/computer monitoring and control of various processes at Water Filtration Facility

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$100,000
Construction Inspect. / Other	\$
<b>Total</b>	<b>\$100,000</b>

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$100,000	\$	\$	\$	\$	<b>\$100,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Upgrade East Main Pump Station**

Project Type:	Pump Station Upgrade
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2016
Project End Date:	

**Project Description**

Upgrade East Main Street Pump Station and replace two pumps

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$60,000
Construction Inspect. / Other	\$
<b>Total</b>	<b>\$60,000</b>

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$60,000	\$	\$	\$	<b>\$60,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace Filter Media**

Project Type:	Upgrade
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2017
Project End Date:	

**Project Description**

Replace filter media at Water Treatment Plant – 3 filter beds

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$90,000
Construction Inspect. / Other	\$
<b>Total</b>	<b>\$90,000</b>

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$	\$90,000	\$	\$	<b>\$90,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace Influent Valve**

Project Type:	Upgrade
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2018
Project End Date:	

**Project Description**

Replace influent valve – contact basin #2

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$40,000
Construction Inspect. / Other	\$
<b>Total</b>	<b>\$40,000</b>

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$	\$	\$40,000	\$	<b>\$40,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace Mt. Beacon Effluent Valve**

Project Type:	Improvements
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2019
Project End Date:	

**Project Description**

Replace Mt. Beacon effluent valve

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$40,000
Construction Inspect. / Other	\$
<b>Total</b>	<b>\$40,000</b>

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$	\$	\$	\$40,000	<b>\$40,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Reface Mt. Beacon Dam**

Project Type:	Dam Improvement
Department:	Water Treatment Facility Improvements
Project Priority:	
Project Start Date:	2020
Project End Date:	

**Project Description**

Reface Mt. Beacon Dam

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$
Engineering/Design	\$
Construction	\$1,500,000
Construction Inspect. / Other	\$
Total	\$1,500,000

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$	\$	\$	\$	<b>\$1,500,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name:	<b>Replace 2003 Small Dump</b>
Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2015
Project End Date:	

**Project Description**

Replace 2003 Small Dump #033
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**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$58,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$58,000	\$	\$	\$	\$	<b>\$58,000</b>

**Project Needs**

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**Operating Cost Considerations**

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Project Name:	<b>Replace 1995 Large Dump Truck</b>
Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2016
Project End Date:	

**Project Description**

Replace 1995 Large Dump #955
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**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$200,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$200,000	\$	\$	\$	<b>\$200,000</b>

**Project Needs**

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**Operating Cost Considerations**

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Project Name: **Replace 2006 Van**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2017
Project End Date:	

**Project Description**

Replace 2006 Van #066

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$50,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019+	Total
General Revenues	\$	\$	\$50,000	\$	\$	\$50,000

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace 2002 Box Van**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2018
Project End Date:	

**Project Description**

Replace 2002 Box Van #022

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$62,500
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019	Total
General Revenues	\$	\$	\$	\$62,500	\$	\$62,500

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace 2008 Small Dump**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2019
Project End Date:	

**Project Description**

Replace 2008 Small Dump Truck #088

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$65,500
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2019	Total
General Revenues	\$	\$	\$	\$	\$65,500	<b>\$65,500</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace 2008 Pick Up**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2020
Project End Date:	

**Project Description**

Replace Pick Up #081 Car #1

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$50,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2020	Total
General Revenues	\$	\$	\$	\$	\$50,000	<b>\$50,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace 1997 Flatbed**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2021
Project End Date:	

**Project Description**

Replace 1997 Flatbed #977

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$52,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2021	Total
General Revenues	\$	\$	\$	\$	\$52,000	<b>\$52,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: **Replace 2012 Small Dump**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2022
Project End Date:	

**Project Description**

Replace 2012 Small Dump #122

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$67,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2022	Total
General Revenues	\$	\$	\$	\$	\$67,000	<b>\$67,000</b>

**Project Needs**

**Operating Cost Considerations**

Project Name: 

Replace Small Utility Van
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Project Type: 

Purchase of Equipment
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 Department: 

Water/Sewer
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 Project Priority: 

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 Project Start Date: 

2023
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 Project End Date: 

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**Project Description**

Replace utility van (small)

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$30,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2023	Total
General Revenues	\$	\$	\$	\$	\$30,000	<b>\$30,000</b>

**Project Description**

**Operating Cost Considerations**



Project Name: **Replace Pick Up**

Project Type:	Purchase of Equipment
Department:	Water/Sewer
Project Priority:	
Project Start Date:	2024
Project End Date:	

**Project Description**

Replace Pick Up (WPO)

**Estimated Project Costs:**

Legal/Survey/Due Diligence	\$
Acquisition	\$50,000
Engineering/Design	\$
Construction	\$
Construction Inspect. / Other	\$
Total	\$

**Project Priority Considerations:**

Deteriorated Facility
Public Safety/Legal Mandate
Systematic Replacement/Operational Efficiency
Resource Conservation/Environmental Quality
New/Expanded Facility or Program
Consistency with Formal Plans or Policy
Funding Availability

Sources of Funding	2015	2016	2017	2018	2024	Total
General Revenues	\$	\$	\$	\$	\$50,000	\$50,000

**Project Needs**

**Operating Cost Considerations**